

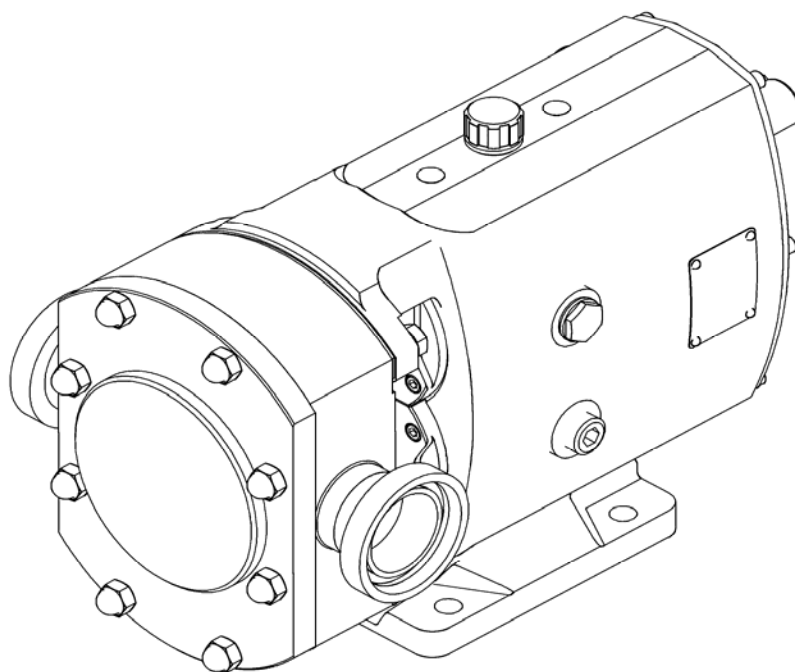


**ALFA LAVAL LTD**

**SRU RANGE  
ROTARY LOBE PUMPS**

**SPARE PARTS LIST**

**July-08 (Issue 4.09)**



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### Notes

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When identifying the spare parts required it is important to check the pump specification by referring to the pump serial number.



| SRU1 Pump                   |                                 |                    |                            |             |             |                      |                          |
|-----------------------------|---------------------------------|--------------------|----------------------------|-------------|-------------|----------------------|--------------------------|
| Drg No.                     | Description                     |                    |                            | Qty         | Part No.    | Item No.             |                          |
| 1                           | Gearcase - universal mounting   |                    |                            | AL Blue     | 1           | 5220.351.00          | 9630094193               |
| 2                           | Dowel                           |                    |                            |             | 2           | 5170.025             | 9630030093               |
| 3                           | Stud, rotorcase retention       |                    |                            |             | 4           | 6350.135             | 9630052259               |
| 4                           | Nut, rotorcase retention        |                    |                            |             | 4           | 5330.003             | 9630024057               |
| 4A                          | Washer, rotorcase retention     |                    |                            |             | 4           | 6400.036             | 9630024231               |
| 5                           | Cover, gearcase                 |                    |                            |             | 1           | 5120.181             | 9630087581               |
| 6                           | Screw, gearcase cover           |                    |                            |             | 6           | 5990.044             | 9630030096               |
| 7                           | Lip seal, drive end             | (not for ATEX)     | NBR<br>FPM                 |             | 1           | 5310.047<br>5310.078 | 9630030621<br>9630032806 |
| 8                           | Shim                            | (not for ATEX)     | Polymex<br>St.Stl          |             | 1 set       | 6150.150<br>6150.151 | 9630034305<br>9630034304 |
| 8A                          | Shim retainer                   |                    |                            |             | 2           | 6150.261             | 9630050684               |
| 8B                          | Screw, shim retainer            |                    |                            |             | 4           | 6000.010             | 9630050533               |
| 9                           | Rotorcase                       |                    |                            |             | 1           | see page 26-33       | see page 26-33           |
| 10                          | Stud, rotorcase/cover retention |                    |                            |             | 4           | 6350.093             | 9630031415               |
| 11                          | 'O' Ring, cover - plain         |                    | NBR<br>FPM<br>EPDM<br>PTFE | 1           | 1550.239    | 9630023375           |                          |
|                             |                                 |                    | 1551.239                   |             | 9630023456  |                      |                          |
|                             |                                 |                    | 1555.239                   |             | 9630023539  |                      |                          |
|                             |                                 |                    | 1552.239                   |             | 9630028747  |                      |                          |
|                             | 'O' Ring, cover - relief valve  |                    | NBR<br>FPM<br>EPDM<br>PTFE | 1           | 5380.087    | 9630024201           |                          |
|                             |                                 |                    | 5380.163                   |             | 9630024335  |                      |                          |
|                             |                                 |                    | 5380.277                   |             | 9630019858  |                      |                          |
|                             |                                 |                    | 5380.164                   |             | 9630024336  |                      |                          |
| 12                          | Cover, rotorcase                | Plain              | 1                          | 5130.311    | 9630046119  |                      |                          |
|                             |                                 | Drilled for jacket |                            | 5130.331    | 9630027764  |                      |                          |
|                             |                                 | Relief valve       |                            | see page 63 | see page 63 |                      |                          |
| 13                          | Dome nut, rotorcase cover       |                    |                            |             | 4           | 5340.029             | 9630024095               |
| 14                          | Retainer, seal                  |                    |                            |             | 2           | 5560.030             | 9630031375               |
| 15                          | Screw, seal retainer            |                    |                            |             | 6           | 5990.044             | 9630030096               |
| 16                          | Lip seal, gland end             | (not for ATEX)     | NBR<br>FPM                 |             | 2           | 5310.037<br>5310.070 | 9630030622<br>9630032796 |
| 17                          | Rotor, Trilobe Stainless Steel  | 8 bar 70°C         | SRU1/005                   | 2           | 5712.005G   | 9630031989           |                          |
|                             |                                 | 8 bar 130°C        |                            |             | 5712.005H   | 9630031990           |                          |
|                             |                                 | 8 bar 200°C        |                            |             | 5712.005J   | 9630031991           |                          |
|                             | Rotor, Bilobe Stainless Steel   | 8 bar 70°C         | 5730.005G                  |             | 9630090563  |                      |                          |
|                             |                                 | 8 bar 130°C        | 5730.005H                  |             | 9630090564  |                      |                          |
|                             |                                 | 8 bar 200°C        | 5730.005J                  |             | 9630090589  |                      |                          |
|                             | Rotor, Bilobe non-galling       | 8 bar 70°C         | 5761.005G                  |             | 9630090474  |                      |                          |
|                             |                                 | 8 bar 130°C        | 5761.005H                  |             | 9630090475  |                      |                          |
|                             |                                 | 8 bar 200°C        | 5761.005J                  |             | 9630090476  |                      |                          |
|                             | Rotor, Trilobe, NBR covered     |                    | SRU1/005                   |             | 5722.005    | 9630031495           |                          |
|                             | Rotor, Trilobe Stainless Steel  | 5 bar 70°C         | SRU1/008                   |             | 5712.008D   | 9630031995           |                          |
|                             |                                 | 5 bar 130°C        |                            |             | 5712.008E   | 9630031996           |                          |
|                             |                                 | 5 bar 200°C        |                            |             | 5712.008F   | 9630031997           |                          |
|                             | Rotor, Bilobe Stainless Steel   | 5 bar 70°C         | SRU1/008                   |             | 5730.008D   | 9630090565           |                          |
|                             |                                 | 5 bar 130°C        |                            |             | 5730.008E   | 9630090566           |                          |
|                             |                                 | 5 bar 200°C        |                            |             | 5730.008F   | 9630090567           |                          |
| Rotor, Bilobe non-galling   | 5 bar 70°C                      | SRU1/008           | 5761.008D                  | 9630090478  |             |                      |                          |
|                             | 5 bar 130°C                     |                    | 5761.008E                  | 9630090479  |             |                      |                          |
|                             | 5 bar 200°C                     |                    | 5761.008F                  | 9630090481  |             |                      |                          |
| Rotor, Trilobe, NBR covered |                                 | SRU1/008           | 5722.008                   | 9630031497  |             |                      |                          |



CSI

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| SRU1 Pump (continued) |                                                         |          |     |              |            |
|-----------------------|---------------------------------------------------------|----------|-----|--------------|------------|
| Drg No.               | Description                                             |          | Qty | Part No.     | Item No.   |
| 18                    | 'O' Ring, rotor sealing shaft end (St.Stl rotor)        | NBR      | 2   | 5380.421     | 9630044558 |
|                       |                                                         | FPM      |     | 5380.420     | 9630044557 |
|                       |                                                         | EPDM     |     | 5380.446     | 9630046208 |
|                       |                                                         | PTFE     |     | 5380.447     | 9630046212 |
|                       | 'O' Ring, rotor sealing shaft end (NBR covered rotor)   | NBR      |     | 5380.421     | 9630044558 |
|                       |                                                         | FPM      |     | 5380.420     | 9630044557 |
|                       |                                                         | EPDM     |     | 5380.446     | 9630046208 |
|                       |                                                         |          |     |              |            |
| 20                    | 'O' Ring, rotor sealing nut end                         | NBR      | 2   | 5380.442     | 9630046204 |
|                       |                                                         | FPM      |     | 5380.443     | 9630046205 |
|                       |                                                         | EPDM     |     | 5380.444     | 9630046206 |
|                       |                                                         | PTFE     |     | 5380.445     | 9630046207 |
| 22                    | Nut, rotor retention                                    | SRU1/005 | 2   | 5900.161     | 9630045826 |
|                       | SRU1/008                                                | 5900.162 |     | 9630045828   |            |
| 23                    | Key                                                     |          | 1   | 5270.030     | 9630031498 |
| 24                    | Shaft, drive (Duplex)                                   | R90      | 1   | 6110.592     | 9630033399 |
|                       |                                                         | Hyclean  |     | 6110.717     | 9630052964 |
| 25                    | Shaft, auxiliary (Duplex)                               | R90      | 1   | 6100.592     | 9630033401 |
|                       |                                                         | Hyclean  |     | 6100.717     | 9630052961 |
| 26                    | Bearing, rear                                           |          | 2   | 5080.011     | 9630029026 |
| 27                    | Spacer, shaft abutment                                  |          | 1   | 5670.061.01  | 9630032664 |
| 30                    | Nut, bearing                                            |          | 2   | 5340.040     | 9630029135 |
| 31                    | Bearing, front                                          |          | 2   | 5080.011     | 9630029026 |
| 32                    | Spacer, bearing                                         |          | 2   | 5670.100     | 9630033403 |
| 36                    | Timing gear                                             |          | 2   | 5210.036     | 9630031258 |
| 38                    | Torque locking element                                  |          | 2   | 5615.013     | 9630025151 |
| 39                    | Clamp plate                                             |          | 2   | 5110.039     | 9630031371 |
| 40                    | Screw, clamp plate                                      |          | 6   | 5990.044     | 9630030096 |
| 45                    | Drain plug                                              |          | 2   | 1660.004     | 9630023546 |
| 46                    | Sight glass - standard (for ATEX pump see 'ATEX Parts') |          | 1   | 5480.001     | 9630032778 |
| 47                    | Filler plug - standard (for ATEX pump see 'ATEX Parts') |          | 1   | 31491.0052.1 | 9630018599 |
| 48                    | Plug                                                    |          | 2   | 1660.008     | 9630023548 |
| 49                    | Blanking plug                                           |          | 4   | 5470.022     | 9630089950 |
| 50                    | Gland guard - standard (for ATEX pump see 'ATEX Parts') |          | 2   | 5243.111     | 9630089811 |
| 51                    | Screw, gland guard                                      |          | 4   | 6000.010     | 9630050533 |
| 53                    | Washer, gland guard                                     |          | 4   | 31499.5903.3 | 9630039001 |
| 54                    | Foot, vertical port                                     | AL Blue  | 1   | 5225.401.00  | 9630089804 |
| 56                    | Foot, horizontal port                                   | AL Blue  | 1   | 5225.301.00  | 9630089805 |
| 58                    | Bolt, Foot                                              |          | 2   | 6000.016     | 9630074795 |

| SRU2 Pump                      |                                 |                                    |                        |            |                      |                          |
|--------------------------------|---------------------------------|------------------------------------|------------------------|------------|----------------------|--------------------------|
| Drg No.                        | Description                     |                                    |                        | Qty        | Part No.             | Item No.                 |
| 1                              | Gearcase - universal mounting   |                                    | AL Blue                | 1          | 5220.352.00          | 9630094199               |
| 2                              | Dowel                           |                                    |                        | 2          | 5170.025             | 9630030093               |
| 3                              | Stud, rotorcase retention       |                                    |                        | 4          | 6350.136             | 9630052261               |
| 4                              | Nut, rotorcase retention        |                                    |                        | 4          | 5330.000             | 9630024051               |
| 4A                             | Washer, rotorcase retention     |                                    |                        | 4          | 6400.037             | 9630024233               |
| 5                              | Cover, gearcase                 |                                    |                        | 1          | 5120.182             | 9630087567               |
| 6                              | Screw, gearcase cover           |                                    |                        | 6          | 5990.044             | 9630030096               |
| 7                              | Lip seal, drive end             | (not for ATEX)                     | NBR<br>FPM             | 1          | 5310.101<br>5310.079 | 9630040403<br>9630032807 |
| 8                              | Shim                            | (not for ATEX)                     | Polymex<br>St.Stl      | 1 set      | 6150.152<br>6150.153 | 9630034199<br>9630034201 |
| 8A                             | Shim retainer                   |                                    |                        | 2          | 6150.312             | 9630089541               |
| 8B                             | Screw, shim retainer            |                                    |                        | 4          | 6000.010             | 9630050533               |
| 9                              | Rotorcase                       |                                    |                        | 1          | see page 26-33       | see page 26-33           |
| 10                             | Stud, rotorcase/cover retention |                                    |                        | 4          | 6350.094             | 9630024086               |
| 11                             | 'O' Ring, cover - plain         |                                    | NBR                    | 1          | 1550.249             | 9630023379               |
|                                |                                 |                                    | FPM                    |            | 1551.249             | 9630023462               |
|                                |                                 |                                    | EPDM                   |            | 1555.249             | 9630023540               |
|                                |                                 |                                    | PTFE                   |            | 1552.249             | 9630040636               |
|                                | 'O' Ring, cover - relief valve  |                                    | NBR                    |            | 1550.251             | 9630030114               |
|                                |                                 |                                    | FPM                    |            | 1551.251             | 9630026029               |
|                                |                                 |                                    | EPDM                   |            | 1555.251             | 9630027285               |
|                                |                                 |                                    | PTFE                   |            | 1552.251             | 9630024882               |
| 12                             | Cover, rotorcase                | Plain                              | 1                      | 5130.312   | 9630046120           |                          |
|                                |                                 | Drilled for jacket<br>Relief valve |                        | 5130.332   | 9630027767           |                          |
| 13                             | Dome nut, rotorcase cover       |                                    |                        | 4          | 5340.047             | 9630029651               |
| 14                             | Retainer, seal                  |                                    |                        | 2          | 5560.031             | 9630031405               |
| 15                             | Screw, seal retainer            |                                    |                        | 6          | 5990.007             | 9630024595               |
| 16                             | Lip seal, gland end             | (not for ATEX)                     | NBR<br>FPM             | 2          | 5310.038<br>5310.071 | 9630030623<br>9630032797 |
| 17                             | Rotor, Trilobe Stainless Steel  | 10 bar 70°C                        | SRU2/013/<br>LS and HS | 2          | 5740.013M            | 9630046723               |
|                                |                                 | 10 bar 130°C                       |                        |            | 5740.013N            | 9630040081               |
|                                |                                 | 10 bar 200°C                       |                        |            | 5740.013P            | 9630047747               |
|                                |                                 | 15 bar 70°C                        |                        |            | 5740.013T            | 9630046603               |
|                                |                                 | 15 bar 130°C                       |                        |            | 5740.013V            | 9630047748               |
|                                |                                 | 15 bar 200°C                       |                        |            | 5740.013W            | 9630047749               |
|                                | Rotor, Bilobe Stainless Steel   | 10 bar 70°C                        | SRU2/013/<br>LS and HS |            | 5741.013M            | 9630090571               |
|                                |                                 | 10 bar 130°C                       |                        |            | 5741.013N            | 9630090572               |
|                                |                                 | 10 bar 200°C                       |                        |            | 5741.013P            | 9630090573               |
|                                |                                 | 15 bar 70°C                        |                        |            | 5741.013T            | 9630090574               |
|                                |                                 | 15 bar 130°C                       |                        |            | 5741.013V            | 9630090575               |
|                                |                                 | 15 bar 200°C                       |                        |            | 5741.013W            | 9630090576               |
|                                | Rotor, Bilobe non-galling       | 10 bar 70°C                        | SRU2/013/<br>LS and HS |            | 5761.013M            | 9630090482               |
|                                |                                 | 10 bar 130°C                       |                        |            | 5761.013N            | 9630090483               |
|                                |                                 | 10 bar 200°C                       |                        |            | 5761.013P            | 9630090484               |
|                                |                                 | 15 bar 70°C                        |                        |            | 5761.013T            | 9630090485               |
|                                |                                 | 15 bar 130°C                       |                        |            | 5761.013V            | 9630090486               |
|                                |                                 | 15 bar 200°C                       |                        |            | 5761.013W            | 9630090487               |
| Rotor, Trilobe, NBR covered    |                                 |                                    |                        | SRU2/013   | 5722.013             | 9630031481               |
| Rotor, Trilobe Stainless Steel | 7 bar 70°C                      | SRU2/018/<br>LS and HS             | 5740.018M              | 9630047243 |                      |                          |
|                                | 7 bar 130°C                     |                                    | 5740.018N              | 9630043480 |                      |                          |
|                                | 7 bar 200°C                     |                                    | 5740.018P              | 9630047751 |                      |                          |
|                                | 10 bar 70°C                     |                                    | 5740.018T              | 9630048049 |                      |                          |
|                                | 10 bar 130°C                    |                                    | 5740.018V              | 9630048050 |                      |                          |
|                                | 10 bar 200°C                    |                                    | 5740.018W              | 9630048051 |                      |                          |

| SRU2 Pump (continued) |                                                         |                      |                        |              |            |            |
|-----------------------|---------------------------------------------------------|----------------------|------------------------|--------------|------------|------------|
| Drg No.               | Description                                             |                      |                        | Qty          | Part No.   | Item No.   |
| 17                    | Rotor, Bilobe Stainless Steel                           | 7 bar 70°C           | SRU2/018/<br>LS and HS | 2            | 5741.018M  | 9630090577 |
|                       |                                                         | 7 bar 130°C          |                        |              | 5741.018N  | 9630090578 |
|                       |                                                         | 7 bar 200°C          |                        |              | 5741.018P  | 9630090579 |
|                       |                                                         | 10 bar 70°C          | SRU2/018/<br>LD and HD |              | 5741.018T  | 9630090599 |
|                       |                                                         | 10 bar 130°C         |                        |              | 5741.018V  | 9630090580 |
|                       |                                                         | 10 bar 200°C         |                        |              | 5741.018W  | 9630099560 |
|                       | Rotor, Bilobe non-galling                               | 7 bar 70°C           | SRU2/018/<br>LS and HS |              | 5761.018M  | 9630090488 |
|                       |                                                         | 7 bar 130°C          |                        |              | 5761.018N  | 9630090489 |
|                       |                                                         | 7 bar 200°C          |                        |              | 5761.018P  | 9630090490 |
|                       |                                                         | 10 bar 70°C          | SRU2/018/<br>LD and HD |              | 5761.018T  | 9630090491 |
|                       |                                                         | 10 bar 130°C         |                        |              | 5761.018V  | 9630090492 |
|                       |                                                         | 10 bar 200°C         |                        |              | 5761.018W  | 9630090493 |
|                       | Rotor, Trilobe, NBR covered                             |                      | SRU2/018               |              | 5722.018   | 9630031483 |
| 18                    | 'O' Ring, rotor sealing shaft end (St.Stl rotor)        | NBR                  | 2                      | 1550.022     | 9630046452 |            |
|                       |                                                         | FPM                  |                        | 1551.022     | 9630046453 |            |
|                       |                                                         | EPDM                 |                        | 1555.022     | 9630046455 |            |
|                       |                                                         | PTFE                 |                        | 1558.022     | 9630046454 |            |
|                       |                                                         |                      |                        |              |            |            |
| 20                    | 'O' Ring, rotor sealing nut end                         | NBR                  | 2                      | 1550.020     | 9630031506 |            |
|                       |                                                         | FPM                  |                        | 1551.020     | 9630046186 |            |
|                       |                                                         | EPDM                 |                        | 1555.020     | 9630046187 |            |
|                       |                                                         | PTFE                 |                        | 1558.020     | 9630046188 |            |
|                       |                                                         |                      |                        |              |            |            |
| 22                    | Nut, rotor retention                                    | SRU2/013<br>SRU2/018 | 2                      | 5900.163     | 9630045830 |            |
|                       |                                                         | 5900.164             |                        | 9630045832   |            |            |
| 23                    | Key                                                     |                      | 1                      | 5270.007     | 9630023916 |            |
| 24                    | Shaft, drive (St.Stl)                                   | R90<br>Hyclean       | 1                      | 6110.545     | 9630031389 |            |
|                       |                                                         |                      |                        | 6110.656     | 9630046281 |            |
|                       | Shaft, drive (Duplex)                                   | R90<br>Hyclean       |                        | 6110.675     | 9630030029 |            |
| 25                    | Shaft, auxiliary (St.Stl)                               | R90<br>Hyclean       | 1                      | 6110.660     | 9630022632 |            |
|                       |                                                         |                      |                        |              | 6100.545   | 9630031391 |
|                       | Shaft, auxiliary (Duplex)                               | R90<br>Hyclean       |                        | 6100.656     | 9630046255 |            |
|                       |                                                         |                      |                        | 6100.675     | 9630032000 |            |
|                       |                                                         |                      |                        | 6100.660     | 9630046257 |            |
| 26                    | Bearing, rear                                           |                      | 2                      | 5080.012     | 9630029028 |            |
| 27                    | Spacer, shaft abutment                                  |                      | 1                      | 5670.062.01  | 9630032678 |            |
| 30                    | Nut, bearing                                            |                      | 2                      | 5340.041     | 9630029136 |            |
| 31                    | Bearing, front                                          |                      | 2                      | 5080.012     | 9630029028 |            |
| 32                    | Spacer, bearing                                         |                      | 2                      | 5670.056     | 9630031409 |            |
| 36                    | Timing gear                                             |                      | 2                      | 5210.037     | 9630031260 |            |
| 38                    | Torque locking element                                  |                      | 2                      | 5615.015     | 9630030115 |            |
| 39                    | Clamp plate                                             |                      | 2                      | 5110.040     | 9630031407 |            |
| 40                    | Screw, clamp plate                                      |                      | 6                      | 5990.007     | 9630024595 |            |
| 45                    | Drain plug                                              |                      | 2                      | 1660.004     | 9630023546 |            |
| 46                    | Sight glass - standard (for ATEX pump see 'ATEX Parts') |                      | 1                      | 5480.001     | 9630032778 |            |
| 47                    | Filler plug - standard (for ATEX pump see 'ATEX Parts') |                      | 1                      | 31491.0052.1 | 9630018599 |            |
| 48                    | Plug                                                    |                      | 2                      | 1660.008     | 9630023548 |            |
| 49                    | Blanking plug                                           |                      | 4                      | 5470.020     | 9630087278 |            |
| 50                    | Gland guard - standard (for ATEX pump see 'ATEX Parts') |                      | 2                      | 5243.112     | 9630089812 |            |
| 51                    | Screw, gland guard                                      |                      | 4                      | 6000.010     | 9630050533 |            |
| 53                    | Washer, gland guard                                     |                      | 4                      | 31499.5903.3 | 9630039001 |            |
| 54                    | Foot, vertical port                                     | AL Blue              | 1                      | 5225.402.00  | 9630091540 |            |
| 56                    | Foot, horizontal port                                   | AL Blue              | 1                      | 5225.302.00  | 9630091831 |            |
| 58                    | Bolt, Foot                                              |                      | 2                      | 6000.015     | 9630074794 |            |



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AL/SRU/SPARES/0807

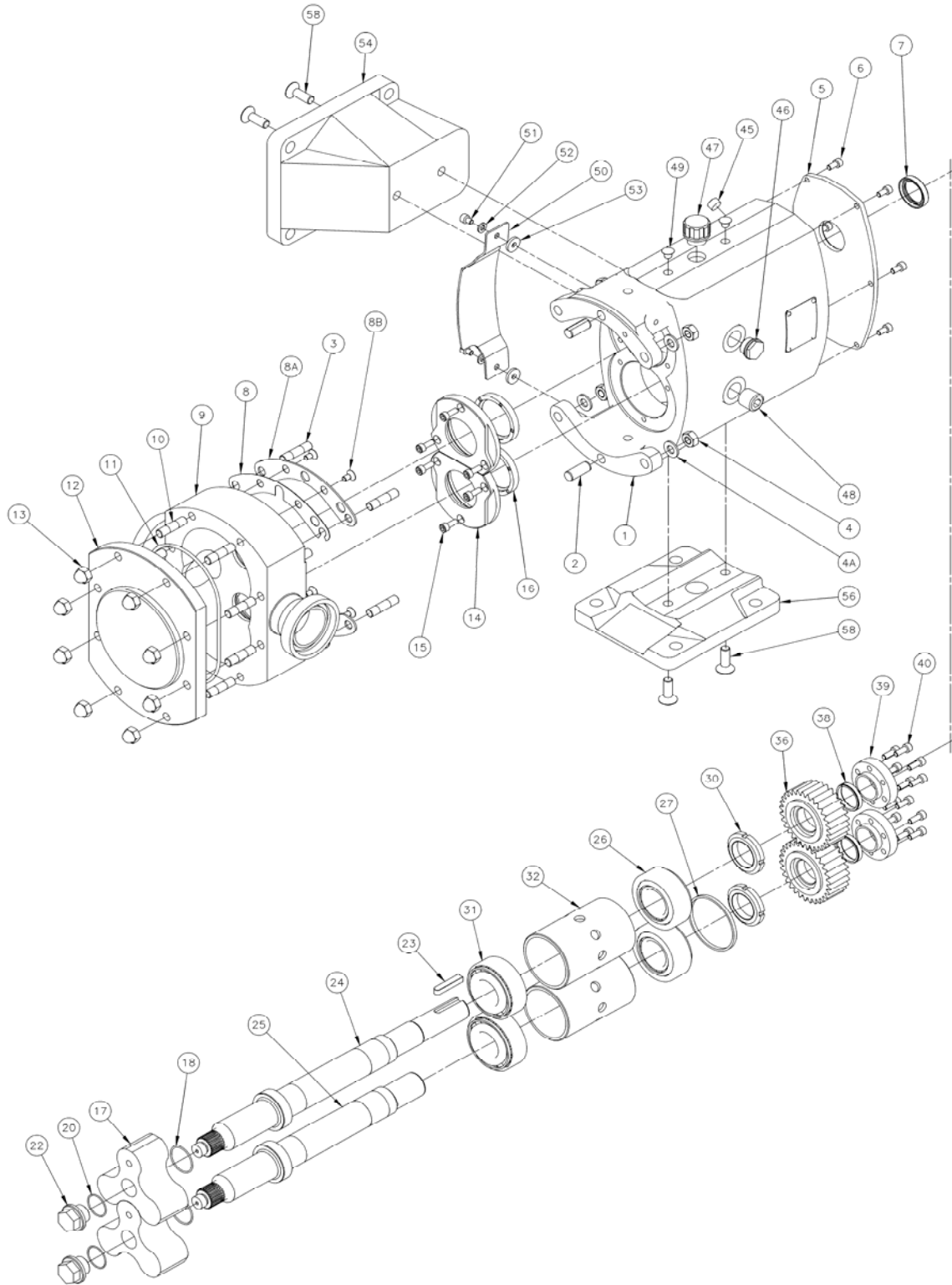
| SRU3 Pump                                   |                                       |                                  |                                             |                                              |                                                                      |                                                      |                                                       |                                        |                                        |
|---------------------------------------------|---------------------------------------|----------------------------------|---------------------------------------------|----------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------|----------------------------------------|----------------------------------------|
| Drg No.                                     | Description                           |                                  | Qty                                         | Part No.                                     | Item No.                                                             |                                                      |                                                       |                                        |                                        |
| 1                                           | Gearcase - universal mounting AL Blue |                                  | 1                                           | 5220.353.00                                  | 9630094201                                                           |                                                      |                                                       |                                        |                                        |
| 2                                           | Dowel                                 |                                  | 2                                           | 5170.010                                     | 9630023461                                                           |                                                      |                                                       |                                        |                                        |
| 3                                           | Stud, rotorcase retention             |                                  | 4                                           | 6350.105                                     | 9630027485                                                           |                                                      |                                                       |                                        |                                        |
| 4                                           | Nut, rotorcase retention              |                                  | 4                                           | 5330.000                                     | 9630024051                                                           |                                                      |                                                       |                                        |                                        |
| 4A                                          | Washer, rotorcase retention           |                                  | 4                                           | 6400.037                                     | 9630024233                                                           |                                                      |                                                       |                                        |                                        |
| 5                                           | Cover, gearcase                       |                                  | 1                                           | 5120.163                                     | 9630070039                                                           |                                                      |                                                       |                                        |                                        |
| 6                                           | Screw, gearcase cover                 |                                  | 6                                           | 5990.044                                     | 9630030096                                                           |                                                      |                                                       |                                        |                                        |
| 7                                           | Lip seal, drive end                   | (not for ATEX) NBR<br>FPM        | 1                                           | 5310.004<br>5310.080                         | 9630023983<br>9630032808                                             |                                                      |                                                       |                                        |                                        |
| 8                                           | Shim                                  | (not for ATEX) Polymex<br>St.Stl | 1 set                                       | 6150.154<br>6150.155                         | 9630034130<br>9630034030                                             |                                                      |                                                       |                                        |                                        |
| 8A                                          | Shim retainer                         |                                  | 2                                           | 6150.313                                     | 9630089542                                                           |                                                      |                                                       |                                        |                                        |
| 8B                                          | Screw, shim retainer                  |                                  | 4                                           | 6000.010                                     | 9630050533                                                           |                                                      |                                                       |                                        |                                        |
| 9                                           | Rotorcase                             |                                  | 1                                           | see page 26-33                               | see page 26-33                                                       |                                                      |                                                       |                                        |                                        |
| 10                                          | Stud, rotorcase/cover retention       | Std<br>For rectangular inlet     | 8<br>4                                      | 6350.095<br>6350.052                         | 9630027490<br>9630022111                                             |                                                      |                                                       |                                        |                                        |
| 11                                          | 'O' Ring, cover - plain               | NBR<br>FPM<br>EPDM<br>PTFE       | 1                                           | 1550.258<br>1551.258<br>1555.258<br>1552.258 | 9630046234<br>9630046235<br>9630046236<br>9630040637                 |                                                      |                                                       |                                        |                                        |
|                                             |                                       | 'O' Ring, cover - relief valve   |                                             | NBR<br>FPM<br>EPDM<br>PTFE                   | 1550.260<br>1551.260<br>1555.260<br>1552.260                         | 9630030271<br>9630026048<br>9630026951<br>9630031555 |                                                       |                                        |                                        |
|                                             |                                       |                                  |                                             | Cover, rotorcase                             | Plain<br>For rectangular inlet<br>Drilled for jacket<br>Relief valve | 5130.313<br>5130.343<br>5130.333<br>see page 63      | 9630046122<br>9630048101<br>9630027766<br>see page 63 |                                        |                                        |
|                                             |                                       |                                  |                                             |                                              | Dome nut, rotorcase cover                                            | Std<br>For rectangular inlet                         | 8<br>4                                                | 5340.047<br>5340.022                   | 9630029651<br>9630024088               |
|                                             | Retainer, seal                        |                                  |                                             |                                              |                                                                      |                                                      | 2                                                     | 5560.032                               | 9630025431                             |
|                                             | 15                                    | Screw, seal retainer             |                                             |                                              | 6                                                                    | 5990.007                                             | 9630024595                                            |                                        |                                        |
|                                             | 16                                    | Lip seal, gland end              |                                             | (not for ATEX) NBR<br>FPM                    | 2                                                                    | 5310.039<br>5310.072                                 | 9630030625<br>9630032798                              |                                        |                                        |
|                                             | 17                                    | Rotor, Trilobe Stainless Steel   |                                             | 10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C  | SRU3/027/<br>LS and HS                                               | 2                                                    | 5740.027M<br>5740.027N<br>5740.027P                   | 9630046726<br>9630032535<br>9630046365 |                                        |
| 15 bar 70°C<br>15 bar 130°C<br>15 bar 200°C |                                       |                                  | SRU3/027/<br>LD and HD                      | 5740.027T<br>5740.027V<br>5740.027W          |                                                                      |                                                      | 9630047194<br>9630046354<br>9630047752                |                                        |                                        |
| Rotor, Bilobe Stainless Steel               |                                       |                                  | 10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C | SRU3/027/<br>LS and HS                       |                                                                      |                                                      | 5741.027M<br>5741.027N<br>5741.027P                   | 9630090584<br>9630090585<br>9630090586 |                                        |
|                                             |                                       |                                  | Rotor, Bilobe non-galling                   | 15 bar 70°C<br>15 bar 130°C<br>15 bar 200°C  |                                                                      |                                                      | SRU3/027/<br>LD and HD                                | 5741.027T<br>5741.027V<br>5741.027W    | 9630090588<br>9630090589<br>9630090600 |
|                                             |                                       |                                  |                                             | Rotor, Bilobe non-galling                    |                                                                      |                                                      | 10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C           | SRU3/027/<br>LS and HS                 | 5761.027M<br>5761.027N<br>5761.027P    |
| Rotor, Bilobe non-galling                   |                                       |                                  |                                             |                                              |                                                                      |                                                      | 15 bar 70°C<br>15 bar 130°C<br>15 bar 200°C           | SRU3/027/<br>LD and HD                 | 5761.027T<br>5761.027V<br>5761.027W    |
|                                             |                                       | Rotor, Trilobe, NBR covered      |                                             |                                              | SRU3/027                                                             |                                                      | 5722.027                                              | 9630021284                             |                                        |

| SRU3 Pump (continued) |                                                       |                                             |     |             |            |
|-----------------------|-------------------------------------------------------|---------------------------------------------|-----|-------------|------------|
| Drg No.               | Description                                           |                                             | Qty | Part No.    | Item No.   |
| 17                    | Rotor, Trilobe Stainless Steel                        | 7 bar 70°C<br>7 bar 130°C<br>7 bar 200°C    | 2   | 5740.038M   | 9630027757 |
|                       |                                                       | SRU3/038/<br>LS and HS                      |     | 5740.038N   | 9630039955 |
|                       |                                                       |                                             |     | 5740.038P   | 9630048052 |
|                       | Rotor, Bilobe Stainless Steel                         | 10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C |     | 5740.038T   | 9630047753 |
|                       |                                                       | SRU3/038/<br>LD and HD                      |     | 5740.038V   | 9630048053 |
|                       |                                                       |                                             |     | 5740.038W   | 9630048054 |
|                       |                                                       | 7 bar 70°C<br>7 bar 130°C<br>7 bar 200°C    |     | 5741.038M   | 9630090540 |
|                       |                                                       | SRU3/038/<br>LS and HS                      |     | 5741.038N   | 9630090539 |
|                       |                                                       |                                             |     | 5741.038P   | 9630090542 |
|                       | Rotor, Bilobe non-galling                             | 10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C |     | 5741.038T   | 9630090544 |
|                       |                                                       | SRU3/038/<br>LD and HD                      |     | 5741.038V   | 9630090545 |
|                       |                                                       |                                             |     | 5741.038W   | 9630090546 |
|                       |                                                       | 7 bar 70°C<br>7 bar 130°C<br>7 bar 200°C    |     | 5761.038M   | 9630090494 |
|                       |                                                       | SRU3/038/<br>LS and HS                      |     | 5761.038N   | 9630090495 |
|                       |                                                       |                                             |     | 5761.038P   | 9630090496 |
| 18                    | 'O' Ring, rotor sealing shaft end (St.Stl rotor)      | 10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C |     | 5761.038T   | 9630090497 |
|                       |                                                       | SRU3/038/<br>LD and HD                      |     | 5761.038V   | 9630090498 |
|                       |                                                       |                                             |     | 5761.038W   | 9630090499 |
|                       |                                                       |                                             |     | 5722.038    | 9630026256 |
| 20                    | 'O' Ring, rotor sealing shaft end (NBR covered rotor) | Rotor, Trilobe, NBR covered                 | 2   | 1550.026    | 9630038950 |
|                       |                                                       | SRU3/038                                    |     | 1551.026    | 9630038951 |
|                       |                                                       | NBR                                         |     | 1555.026    | 9630038952 |
|                       |                                                       | FPM                                         |     | 1558.026    | 9630046456 |
| 22                    | 'O' Ring, rotor sealing nut end                       | EPDM                                        | 2   | 5380.261    | 9630029980 |
|                       |                                                       | PTFE                                        |     | 5380.271    | 9630026280 |
|                       |                                                       |                                             |     | 5380.355    | 9630037533 |
|                       |                                                       |                                             |     | 1550.024    | 9630031566 |
| 24                    | Nut, rotor retention                                  | SRU3/027                                    | 2   | 1551.024    | 9630046189 |
|                       |                                                       | SRU3/038                                    |     | 1555.024    | 9630046190 |
|                       |                                                       |                                             |     | 1558.024    | 9630046191 |
|                       |                                                       |                                             |     | 5900.165    | 9630046130 |
| 26                    | Key                                                   |                                             | 1   | 5900.166    | 9630046138 |
|                       |                                                       |                                             |     | 5270.031    | 9630031499 |
|                       |                                                       |                                             |     | 6110.593    | 9630033130 |
|                       |                                                       |                                             |     | 6110.657    | 9630046282 |
| 28                    | Shaft, drive (St.Stl)                                 | R90                                         | 1   | 6110.643    | 9630043091 |
|                       |                                                       | Hyclean                                     |     | 6110.661    | 9630026038 |
|                       |                                                       |                                             |     | 6100.593    | 9630033127 |
|                       |                                                       |                                             |     | 6100.657    | 9630046260 |
| 30                    | Shaft, drive (Duplex)                                 | R90                                         | 1   | 6100.643    | 9630043090 |
|                       |                                                       | Hyclean                                     |     | 6100.661    | 9630046262 |
|                       |                                                       |                                             |     | 5080.013    | 9630029030 |
|                       |                                                       |                                             |     | 5670.063.01 | 9630032683 |
| 32                    | Shaft, auxiliary (St.Stl)                             | R90                                         | 2   | 5340.042    | 9630029137 |
|                       |                                                       | Hyclean                                     |     | 5080.013    | 9630029030 |
|                       |                                                       |                                             |     | 5670.058    | 9630029695 |
|                       |                                                       |                                             |     | 5210.032    | 9630028272 |
| 34                    | Shaft, auxiliary (Duplex)                             | R90                                         | 2   | 5210.038    | 9630027688 |
|                       |                                                       | Hyclean                                     |     | 5615.016    | 9630030273 |
|                       |                                                       |                                             |     | 5615.016    | 9630030273 |
|                       |                                                       |                                             |     | 5110.041    | 9630029175 |
| 36                    | Bearing, rear                                         |                                             | 2   | 5990.005    | 9630024591 |
| 38                    | Spacer, shaft abutment                                |                                             | 1   |             |            |
| 40                    | Nut, bearing                                          |                                             | 2   |             |            |
| 42                    | Bearing, front                                        |                                             | 2   |             |            |
| 44                    | Spacer, bearing                                       |                                             | 2   |             |            |
| 46                    | Timing gear                                           | St.Stl shaft<br>Duplex shaft                | 2   |             |            |
| 48                    | Torque locking element                                | St.Stl shaft<br>Duplex shaft                | 2   |             |            |
| 50                    | Clamp plate                                           |                                             | 4   |             |            |
| 52                    | Screw, clamp plate                                    |                                             | 2   |             |            |
| 54                    |                                                       |                                             | 12  |             |            |



| SRU3 Pump (continued) |                                                         |     |              |            |
|-----------------------|---------------------------------------------------------|-----|--------------|------------|
| Drg No.               | Description                                             | Qty | Part No.     | Item No.   |
| 45                    | Drain plug                                              | 2   | 1660.004     | 9630023546 |
| 46                    | Sight glass - standard (for ATEX pump see 'ATEX Parts') | 1   | 5480.001     | 9630032778 |
| 47                    | Filler plug - standard (for ATEX pump see 'ATEX Parts') | 1   | 31491.0052.1 | 9630018599 |
| 48                    | Plug                                                    | 2   | 1660.008     | 9630023548 |
| 49                    | Blanking plug                                           | 4   | 5470.020     | 9630087278 |
| 50                    | Gland guard - standard (for ATEX pump see 'ATEX Parts') | 2   | 5243.113     | 9630089813 |
| 51                    | Screw, gland guard                                      | 4   | 5990.045     | 9630030332 |
| 52                    | Washer, gland guard                                     | 4   | 6400.046     | 9630030121 |
| 53                    | Washer, gland guard                                     | 4   | 31499.5903.3 | 9630039001 |
| 54                    | Foot, vertical port AL Blue                             | 1   | 5225.413.00  | 9630878758 |
| 56                    | Foot, horizontal port AL Blue                           | 1   | 5225.303.00  | 9630091467 |
| 58                    | Bolt, Foot                                              | 2   | 6000.014     | 9630074776 |

## SRU1-3 Pump Model - Exploded View Drawing



**CSI**

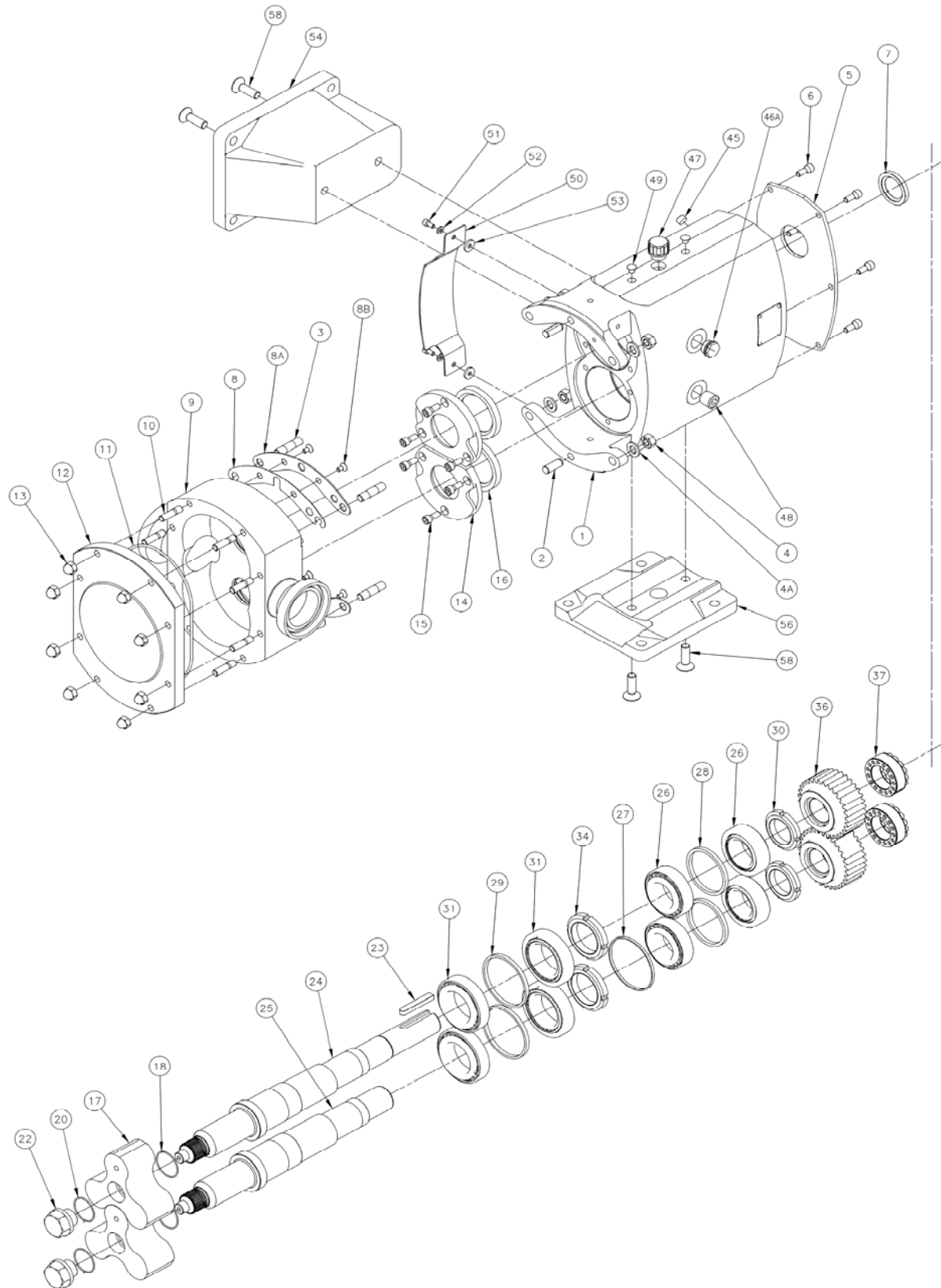
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| SRU4 Pump                      |                                 |                        |                        |             |             |                      |                          |
|--------------------------------|---------------------------------|------------------------|------------------------|-------------|-------------|----------------------|--------------------------|
| Drg No.                        | Description                     |                        |                        | Qty         | Part No.    | Item No.             |                          |
| 1                              | Gearcase - universal mounting   |                        |                        | AL Blue     | 1           | 5220.354.00          | 9630094202               |
| 2                              | Dowel                           |                        |                        |             | 2           | 5170.010             | 9630023461               |
| 3                              | Stud, rotorcase retention       |                        |                        |             | 4           | 6350.138             | 9630052265               |
| 4                              | Nut, rotorcase retention        |                        |                        |             | 4           | 5330.001             | 9630024053               |
| 4A                             | Washer, rotorcase retention     |                        |                        |             | 4           | 6400.038             | 9630024236               |
| 5                              | Cover, gearcase                 |                        |                        |             | 1           | 5120.184             | 9630087616               |
| 6                              | Screw, gearcase cover           |                        |                        |             | 6           | 5990.030             | 9630024629               |
| 7                              | Lip seal, drive end             | (not for ATEX)         | NBR<br>FPM             |             | 1           | 5310.048<br>5310.081 | 9630030624<br>9630032809 |
| 8                              | Shim                            | (not for ATEX)         | Polymex<br>St.Stl      |             | 1 set       | 6150.156<br>6150.157 | 9630033702<br>9630033704 |
| 8A                             | Shim retainer                   |                        |                        |             | 2           | 6150.314             | 9630089543               |
| 8B                             | Screw, shim retainer            |                        |                        |             | 4           | 6000.010             | 9630050533               |
| 9                              | Rotorcase                       |                        |                        |             | 1           | see page 26-33       | see page 26-33           |
| 10                             | Stud, rotorcase/cover retention |                        |                        |             | 8           | 6350.104             | 9630019863               |
| 11                             | 'O' Ring, cover - plain         |                        | NBR                    | 1           | 1550.265    | 9630046177           |                          |
|                                |                                 |                        | FPM                    |             | 1551.265    | 9630037519           |                          |
|                                |                                 |                        | EPDM                   |             | 1555.265    | 9630046178           |                          |
|                                |                                 |                        | PTFE                   |             | 1552.265    | 9630026547           |                          |
|                                | 'O' Ring, cover - relief valve  |                        | NBR                    | 1550.267    | 9630029958  |                      |                          |
|                                |                                 |                        | FPM                    | 1551.267    | 9630026117  |                      |                          |
|                                |                                 |                        | EPDM                   | 1555.267    | 9630019861  |                      |                          |
|                                |                                 |                        | PTFE                   | 1552.267    | 9630031556  |                      |                          |
| 12                             | Cover, rotorcase                | Plain                  | 1                      | 5130.314    | 9630046124  |                      |                          |
|                                |                                 | Drilled for jacket     |                        | 5130.334    | 9630030268  |                      |                          |
|                                |                                 | Relief valve           |                        | see page 63 | see page 63 |                      |                          |
| 13                             | Dome nut, rotorcase cover       |                        |                        |             | 8           | 5340.047             | 9630029651               |
| 14                             | Retainer, seal                  |                        |                        |             | 2           | 5560.034             | 9630028443               |
| 15                             | Screw, seal retainer            |                        |                        |             | 6           | 5990.030             | 9630024629               |
| 16                             | Lip seal, gland end             | (not for ATEX)         | NBR<br>FPM             |             | 2           | 5310.041<br>5310.074 | 9630030627<br>9630032800 |
| 17                             | Rotor, Trilobe Stainless Steel  | 10 bar 70°C            | SRU4/055/<br>LS and HS | 2           | 5740.055D   | 9630046158           |                          |
|                                |                                 | 10 bar 130°C           |                        |             | 5740.055E   | 9630044012           |                          |
|                                |                                 | 10 bar 200°C           |                        |             | 5740.055F   | 9630046289           |                          |
|                                |                                 | 20 bar 70°C            |                        |             | 5740.055K   | 9630034398           |                          |
|                                |                                 | 20 bar 130°C           |                        |             | 5740.055L   | 9630046964           |                          |
|                                |                                 | 20 bar 200°C           |                        |             | 5740.055M   | 9630046996           |                          |
|                                | Rotor, Bilobe Stainless Steel   | 10 bar 70°C            | SRU4/055/<br>LS and HS |             | 5741.055D   | 9630090601           |                          |
|                                |                                 | 10 bar 130°C           |                        |             | 5741.055E   | 9630090603           |                          |
|                                |                                 | 10 bar 200°C           |                        |             | 5741.055F   | 9630090604           |                          |
|                                |                                 | 20 bar 70°C            |                        |             | 5741.055K   | 9630090605           |                          |
|                                |                                 | 20 bar 130°C           |                        |             | 5741.055L   | 9630090606           |                          |
|                                |                                 | 20 bar 200°C           |                        |             | 5741.055M   | 9630090607           |                          |
|                                | Rotor, Bilobe non-galling       | 10 bar 70°C            | SRU4/055/<br>LS and HS |             | 5761.055D   | 9630090500           |                          |
|                                |                                 | 10 bar 130°C           |                        |             | 5761.055E   | 9630090501           |                          |
|                                |                                 | 10 bar 200°C           |                        |             | 5761.055F   | 9630090502           |                          |
|                                |                                 | 20 bar 70°C            |                        |             | 5761.055K   | 9630090503           |                          |
|                                |                                 | 20 bar 130°C           |                        |             | 5761.055L   | 9630090504           |                          |
| 20 bar 200°C                   |                                 | 5761.055M              |                        | 9630090505  |             |                      |                          |
| Rotor, Trilobe, NBR covered    |                                 |                        | SRU4/055               | 5722.055    | 9630027382  |                      |                          |
| Rotor, Trilobe Stainless Steel | 7 bar 70°C                      | SRU4/079/<br>LS and HS | 5740.079D              | 9630046159  |             |                      |                          |
|                                | 7 bar 130°C                     |                        | 5740.079E              | 9630039235  |             |                      |                          |
|                                | 7 bar 200°C                     |                        | 5740.079F              | 9630028324  |             |                      |                          |
|                                | 15 bar 70°C                     |                        | 5740.079K              | 9630018802  |             |                      |                          |
|                                | 15 bar 130°C                    |                        | 5740.079L              | 9630048055  |             |                      |                          |
|                                | 15 bar 200°C                    |                        | 5740.079M              | 9630048056  |             |                      |                          |

| SRU4 Pump (continued) |                                                         |                                             |     |              |            |
|-----------------------|---------------------------------------------------------|---------------------------------------------|-----|--------------|------------|
| Drg No.               | Description                                             |                                             | Qty | Part No.     | Item No.   |
| 17                    | Rotor, Bilobe Stainless Steel                           | 7 bar 70°C<br>7 bar 130°C<br>7 bar 200°C    | 2   | 5741.079D    | 9630090608 |
|                       |                                                         | SRU4/079/<br>LS and HS                      |     | 5741.079E    | 9630090609 |
|                       |                                                         |                                             |     | 5741.079F    | 9630090610 |
|                       |                                                         | 15 bar 70°C<br>15 bar 130°C<br>15 bar 200°C |     | 5741.079K    | 9630090611 |
|                       |                                                         | SRU4/079/<br>LD and HD                      |     | 5741.079L    | 9630090612 |
|                       |                                                         |                                             |     | 5741.079M    | 9630090613 |
|                       | Rotor, Bilobe non-galling                               | 7 bar 70°C<br>7 bar 130°C<br>7 bar 200°C    |     | 5761.079D    | 9630090506 |
|                       |                                                         | SRU4/079/<br>LS and HS                      |     | 5761.079E    | 9630090507 |
|                       |                                                         |                                             |     | 5761.079F    | 9630090508 |
|                       |                                                         | 15 bar 70°C<br>15 bar 130°C<br>15 bar 200°C |     | 5761.079K    | 9630090509 |
|                       |                                                         | SRU4/079/<br>LD and HD                      |     | 5761.079L    | 9630090510 |
|                       |                                                         |                                             |     | 5761.079M    | 9630090511 |
|                       | Rotor, Trilobe, NBR covered                             |                                             |     | 5722.079     | 9630027172 |
| 18                    | 'O' Ring, rotor sealing shaft end (St.Stl rotor)        | NBR                                         | 2   | 1550.030     | 9630046196 |
|                       |                                                         | FPM                                         |     | 1551.030     | 9630038931 |
|                       |                                                         | EPDM                                        |     | 1555.030     | 9630046197 |
|                       |                                                         | PTFE                                        |     | 1558.030     | 9630046198 |
| 20                    | 'O' Ring, rotor sealing shaft end (NBR covered rotor)   | NBR                                         | 2   | 5380.262     | 9630029979 |
|                       |                                                         | FPM                                         |     | 5380.272     | 9630027953 |
|                       |                                                         | EPDM                                        |     | 5380.356     | 9630029383 |
|                       |                                                         |                                             |     |              |            |
| 20                    | 'O' Ring, rotor sealing nut end                         | NBR                                         | 2   | 1550.029     | 9630046192 |
|                       |                                                         | FPM                                         |     | 1551.029     | 9630046193 |
|                       |                                                         | EPDM                                        |     | 1555.029     | 9630046194 |
|                       |                                                         | PTFE                                        |     | 1558.029     | 9630046195 |
| 22                    | Nut, rotor retention                                    | SRU4/055                                    | 2   | 5900.167     | 9630046132 |
| 23                    |                                                         | SRU4/079                                    |     | 5900.168     | 9630046140 |
| 24                    | Key                                                     |                                             | 1   | 5270.011     | 9630023932 |
|                       |                                                         |                                             |     |              |            |
| 24                    | Shaft, drive (St.Stl)                                   | R90                                         | 1   | 6110.549     | 9630031042 |
|                       |                                                         | Hyclean                                     |     | 6110.658     | 9630046283 |
|                       | Shaft, drive (Duplex)                                   | R90                                         |     | 6110.557     | 9630031045 |
|                       |                                                         | Hyclean                                     |     | 6110.662     | 9630046276 |
| 25                    | Shaft, auxiliary (St.Stl)                               | R90                                         | 1   | 6100.549     | 9630031044 |
|                       |                                                         | Hyclean                                     |     | 6100.658     | 9630046265 |
|                       | Shaft, auxiliary (Duplex)                               | R90                                         |     | 6100.557     | 9630031046 |
|                       |                                                         | Hyclean                                     |     | 6100.662     | 9630046267 |
| 26                    | Bearing, rear                                           |                                             | 4   | 5080.014     | 9630029032 |
| 27                    | Spacer, shaft abutment                                  |                                             | 1   | 5670.065.01  | 9630035207 |
| 28                    | Spacer, bearing drive end                               |                                             | 2   | 5670.050     | 9630027142 |
| 29                    | Spacer, bearing gland end                               |                                             | 2   | 5670.049     | 9630031175 |
| 30                    | Nut, bearing rear                                       |                                             | 2   | 5340.043     | 9630029138 |
| 31                    | Bearing, front                                          |                                             | 4   | 5080.015     | 9630029034 |
| 34                    | Nut, bearing front                                      |                                             | 2   | 5340.035     | 9630024100 |
| 36                    | Timing gear                                             |                                             | 2   | 5210.039     | 9630019630 |
| 37                    | Torque locking assembly                                 |                                             | 2   | 5615.000     | 9630024451 |
| 45                    | Drain plug                                              |                                             | 2   | 1660.004     | 9630023546 |
| 46                    | Sight glass - standard (for ATEX pump see 'ATEX Parts') |                                             | 1   | 5480.001     | 9630032778 |
| 47                    | Filler plug - standard (for ATEX pump see 'ATEX Parts') |                                             | 1   | 31491.0052.1 | 9630018599 |
| 48                    | Plug                                                    |                                             | 2   | 1660.008     | 9630023548 |
| 49                    | Blanking plug                                           |                                             | 4   | 5470.021     | 9630089949 |
| 50                    | Gland guard - standard (for ATEX pump see 'ATEX Parts') |                                             | 2   | 5243.114     | 9630089814 |
| 51                    | Screw, gland guard                                      |                                             | 4   | 5990.045     | 9630030332 |
| 52                    | Washer, gland guard                                     |                                             | 4   | 6400.046     | 9630030121 |
| 53                    | Washer, gland guard                                     |                                             | 4   | 31499.5903.3 | 9630039001 |
| 54                    | Foot, vertical port                                     | AL Blue                                     | 1   | 5225.404.00  | 9630091644 |
| 56                    | Foot, horizontal port                                   | AL Blue                                     | 1   | 5225.304.00  | 9630091643 |
| 58                    | Bolt, Foot                                              |                                             | 2   | 6000.013     | 9630074775 |



## SRU4 Pump Model - Exploded View Drawing



| SRU5 Horizontally Ported Pump |                                 |                                             |                                             |                                     |                                         |                          |            |
|-------------------------------|---------------------------------|---------------------------------------------|---------------------------------------------|-------------------------------------|-----------------------------------------|--------------------------|------------|
| Drg No.                       | Description                     |                                             |                                             | Qty                                 | Part No.                                | Item No.                 |            |
| 1                             | Gearcase AL Blue                |                                             |                                             | 1                                   | 5220.079.46                             | 9630076099               |            |
| 2                             | Dowel                           |                                             |                                             | 2                                   | 5170.010                                | 9630023461               |            |
| 3                             | Stud, rotorcase retention       |                                             |                                             | 4                                   | 6350.138                                | 9630052265               |            |
| 4                             | Nut, rotorcase retention        |                                             |                                             | 4                                   | 5330.001                                | 9630024053               |            |
| 4A                            | Washer, rotorcase retention     |                                             |                                             | 4                                   | 6400.038                                | 9630024236               |            |
| 5                             | Cover, gearcase                 |                                             |                                             | 1                                   | 5120.048                                | 9630030981               |            |
| 6                             | Screw, gearcase cover           |                                             |                                             | 6                                   | 5990.030                                | 9630024629               |            |
| 7                             | Lip seal, drive end             | (not for ATEX)                              | NBR<br>FPM                                  | 1                                   | 5310.012<br>5310.082                    | 9630023996<br>9630032810 |            |
| 8                             | Shim                            | (not for ATEX)                              | Polymex<br>St.Stl                           | 1 set                               | 6150.158<br>6150.159                    | 9630033860<br>9630033411 |            |
| 8A                            | Shim retainer                   |                                             |                                             | 2                                   | 6150.315                                | 9630089544               |            |
| 8B                            | Screw, shim retainer            |                                             |                                             | 4                                   | 6000.010                                | 9630050533               |            |
| 9                             | Rotorcase                       |                                             |                                             | 1                                   | see page 26-33                          | see page 26-33           |            |
| 10                            | Stud, rotorcase/cover retention |                                             |                                             | 8                                   | 6350.104                                | 9630019863               |            |
| 11                            | 'O' Ring, cover - plain         |                                             | NBR                                         | 1                                   | 1550.273                                | 9630046179               |            |
|                               |                                 |                                             | FPM                                         |                                     | 1551.273                                | 9630046180               |            |
|                               |                                 |                                             | EPDM                                        |                                     | 1555.273                                | 9630046181               |            |
|                               |                                 |                                             | PTFE                                        |                                     | 1552.273                                | 9630022526               |            |
|                               | 'O' Ring, cover - relief valve  |                                             | NBR                                         |                                     | 1550.274                                | 9630029652               |            |
|                               |                                 |                                             | FPM                                         |                                     | 1551.274                                | 9630028410               |            |
|                               |                                 |                                             | EPDM                                        |                                     | 1555.274                                | 9630027380               |            |
|                               |                                 |                                             | PTFE                                        |                                     | 1552.274                                | 9630031557               |            |
| 12                            | Cover, rotorcase                | Plain<br>Drilled for jacket<br>Relief valve | 1                                           | 5130.315<br>5130.335<br>see page 63 | 9630046126<br>9630027765<br>see page 63 |                          |            |
| 13                            | Dome nut, rotorcase cover       |                                             |                                             | 8                                   | 5340.047                                | 9630029651               |            |
| 14                            | Retainer, seal                  |                                             |                                             | 2                                   | 5560.036                                | 9630026099               |            |
| 15                            | Screw, seal retainer            |                                             |                                             | 6                                   | 5990.030                                | 9630024629               |            |
| 16                            | Lip seal, gland end             | (not for ATEX)                              | NBR<br>FPM                                  | 2                                   | 5310.043<br>5310.076                    | 9630030630<br>9630032802 |            |
| 17                            | Rotor, Trilobe Stainless Steel  | 10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C | SRU5/116/<br>LS                             | 2                                   | 5740.116D                               | 9630046161               |            |
|                               |                                 |                                             |                                             |                                     | 5740.116E                               | 9630047513               |            |
|                               |                                 |                                             |                                             |                                     | 5740.116F                               | 9630048057               |            |
|                               |                                 |                                             | 20 bar 70°C<br>20 bar 130°C<br>20 bar 200°C |                                     | SRU5/116/<br>LD                         | 5740.116K                | 9630046611 |
|                               |                                 |                                             |                                             |                                     |                                         | 5740.116L                | 9630048058 |
|                               |                                 |                                             |                                             |                                     |                                         | 5740.116M                | 9630048059 |
|                               | Rotor, Bilobe Stainless Steel   | 10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C | SRU5/116/<br>LS                             |                                     | 5741.116D                               | 9630090615               |            |
|                               |                                 |                                             |                                             |                                     | 5741.116E                               | 9630090616               |            |
|                               |                                 |                                             |                                             |                                     | 5741.116F                               | 9630090617               |            |
|                               |                                 | 20 bar 70°C<br>20 bar 130°C<br>20 bar 200°C | SRU5/116/<br>LD                             |                                     | 5741.116K                               | 9630090618               |            |
|                               |                                 |                                             |                                             |                                     | 5741.116L                               | 9630090619               |            |
|                               |                                 |                                             |                                             |                                     | 5741.116M                               | 9630090620               |            |
|                               | Rotor, Bilobe non-galling       | 10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C | SRU5/116/<br>LS                             |                                     | 5761.116D                               | 9630090512               |            |
|                               |                                 |                                             |                                             |                                     | 5761.116E                               | 9630090513               |            |
|                               |                                 |                                             |                                             |                                     | 5761.116F                               | 9630090514               |            |
|                               |                                 | 20 bar 70°C<br>20 bar 130°C<br>20 bar 200°C | SRU5/116/<br>LD                             |                                     | 5761.116K                               | 9630090515               |            |
|                               |                                 |                                             |                                             |                                     | 5761.116L                               | 9630090516               |            |
|                               |                                 |                                             |                                             |                                     | 5761.116M                               | 9630090517               |            |
|                               | Rotor, Trilobe, NBR covered     |                                             |                                             |                                     |                                         | 5722.116                 | 9630021349 |
|                               | Rotor, Trilobe Stainless Steel  | 7 bar 70°C<br>7 bar 130°C<br>7 bar 200°C    | SRU5/168/<br>LS                             |                                     | 5740.168D                               | 9630046162               |            |
|                               |                                 |                                             |                                             |                                     | 5740.168E                               | 9630035491               |            |
|                               |                                 |                                             |                                             |                                     | 5740.168F                               | 9630048060               |            |
|                               |                                 | 15 bar 70°C<br>15 bar 130°C<br>15 bar 200°C | SRU5/168/<br>LD                             |                                     | 5740.168K                               | 9630046607               |            |
|                               |                                 |                                             |                                             |                                     | 5740.168L                               | 9630048061               |            |
|                               |                                 |                                             |                                             |                                     | 5740.168M                               | 9630048062               |            |

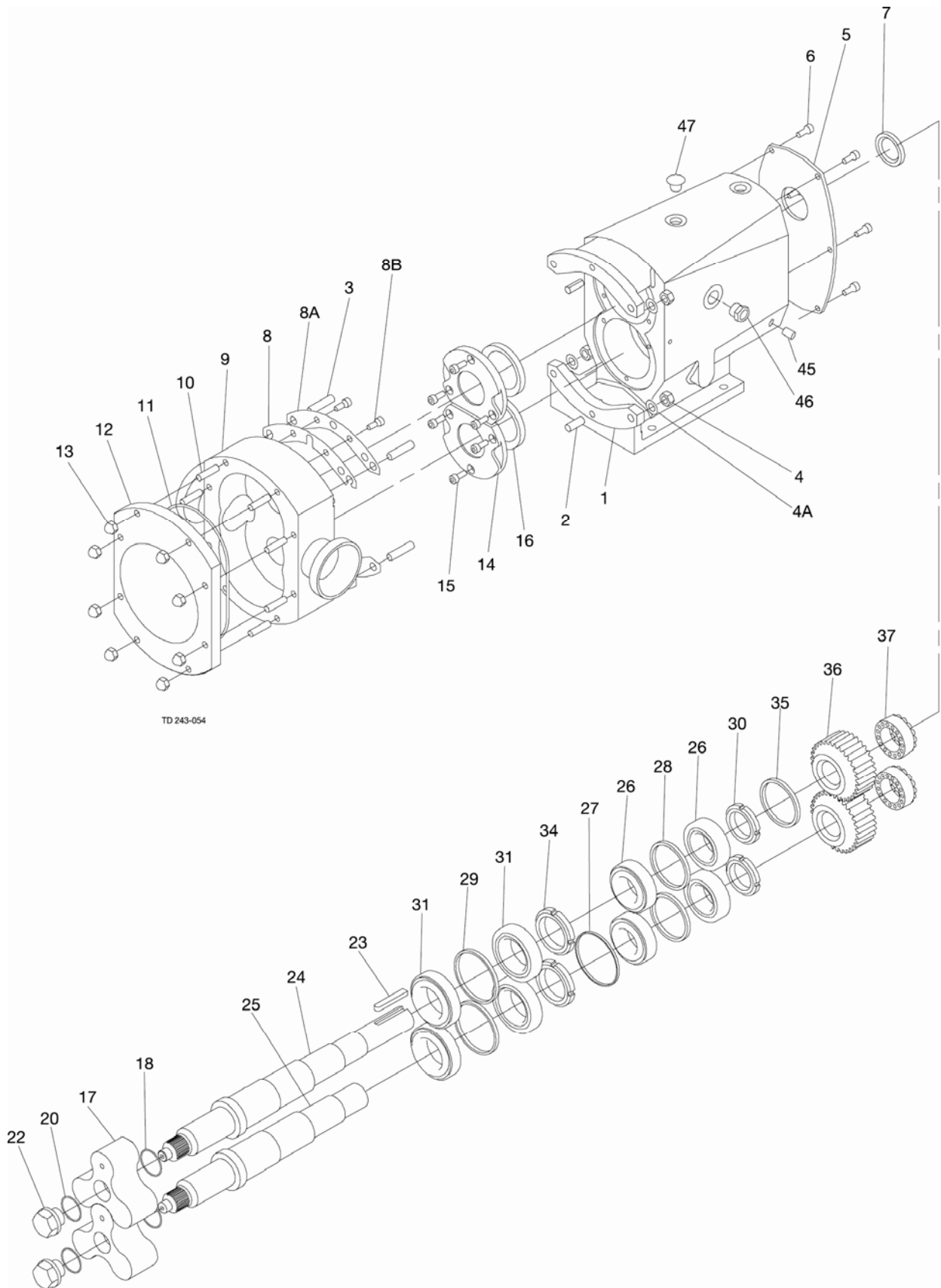


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| SRU5 Horizontally Ported Pump (continued) |                                                         |                                             |     |                      |                          |
|-------------------------------------------|---------------------------------------------------------|---------------------------------------------|-----|----------------------|--------------------------|
| Drg No.                                   | Description                                             |                                             | Qty | Part No.             | Item No.                 |
| 17                                        | Rotor, Bilobe Stainless Steel                           | 7 bar 70°C<br>7 bar 130°C<br>7 bar 200°C    | 2   | 5741.168D            | 9630090621               |
|                                           |                                                         |                                             |     | 5741.168E            | 9630090622               |
|                                           |                                                         |                                             |     | 5741.168F            | 9630090623               |
|                                           |                                                         | 15 bar 70°C<br>15 bar 130°C<br>15 bar 200°C |     | 5741.168K            | 9630090624               |
|                                           |                                                         |                                             |     | 5741.168L            | 9630090625               |
|                                           |                                                         |                                             |     | 5741.168M            | 9630090626               |
|                                           | Rotor, Bilobe non-galling                               | 7 bar 70°C<br>7 bar 130°C<br>7 bar 200°C    |     | 5761.168D            | 9630090518               |
|                                           |                                                         |                                             |     | 5761.168E            | 9630090519               |
|                                           |                                                         |                                             |     | 5761.168F            | 9630090520               |
|                                           |                                                         | 15 bar 70°C<br>15 bar 130°C<br>15 bar 200°C |     | 5761.168K            | 9630090521               |
|                                           |                                                         |                                             |     | 5761.168L            | 9630090522               |
|                                           |                                                         |                                             |     | 5761.168M            | 9630090523               |
| 18                                        | Rotor, Trilobe, NBR covered                             | SRU5/168                                    | 2   | 5722.168             | 9630022562               |
|                                           | 'O' Ring, rotor sealing shaft end (St.Stl rotor)        | NBR                                         |     | 1550.135             | 9630037151               |
|                                           |                                                         | FPM                                         |     | 1551.135             | 9630037153               |
|                                           |                                                         | EPDM                                        |     | 1555.135             | 9630037150               |
|                                           |                                                         | PTFE                                        |     | 1558.135             | 9630037154               |
|                                           | 'O' Ring, rotor sealing shaft end (NBR covered rotor)   | NBR                                         |     | 5380.263             | 9630023523               |
| 20                                        | 'O' Ring, rotor sealing nut end                         | FPM                                         | 2   | 5380.273             | 9630027378               |
|                                           |                                                         | EPDM                                        |     | 5380.306             | 9630032653               |
|                                           |                                                         | NBR                                         |     | 1550.133             | 9630037146               |
|                                           |                                                         | FPM                                         |     | 1551.133             | 9630037148               |
| 22                                        | Nut, rotor retention                                    | EPDM                                        | 2   | 1555.133             | 9630037145               |
|                                           |                                                         | PTFE                                        |     | 1558.133             | 9630037149               |
| 23                                        | Key                                                     | SRU5/116<br>SRU5/168                        | 1   | 5900.169<br>5900.170 | 9630046134<br>9630046142 |
| 24                                        | Shaft, drive (St.Stl)                                   | R90                                         | 1   | 5270.013             | 9630023940               |
|                                           |                                                         | Hyclean                                     |     | 6110.551             | 9630031107               |
|                                           | Shaft, drive (Duplex)                                   | R90                                         |     | 6110.659             | 9630046284               |
|                                           |                                                         | Hyclean                                     |     | 6110.558             | 9630031111               |
| 25                                        | Shaft, auxiliary (St.Stl)                               | R90                                         | 1   | 6110.663             | 9630046280               |
|                                           |                                                         | Hyclean                                     |     | 6100.551             | 9630031109               |
|                                           | Shaft, auxiliary (Duplex)                               | R90                                         |     | 6100.659             | 9630046271               |
|                                           |                                                         | Hyclean                                     |     | 6100.558             | 9630031110               |
| 26                                        | Bearing, rear                                           |                                             | 4   | 6100.663             | 9630046273               |
| 27                                        | Spacer, shaft abutment                                  |                                             | 1   | 5080.015             | 9630029034               |
| 28                                        | Spacer, bearing drive end                               |                                             | 2   | 5670.067.01          | 9630035209               |
| 29                                        | Spacer, bearing gland end                               |                                             | 2   | 5670.049             | 9630031175               |
| 30                                        | Nut, bearing rear                                       |                                             | 2   | 5670.051             | 9630031133               |
| 31                                        | Bearing, front                                          |                                             | 2   | 5340.035             | 9630024100               |
| 34                                        | Nut, bearing front                                      |                                             | 4   | 5080.017             | 9630029036               |
| 35                                        | Lip seal, upper chamber                                 | (not for ATEX) NBR                          | 1   | 5340.045             | 9630029139               |
|                                           |                                                         | FPM                                         |     | 5310.001             | 9630023977               |
| 36                                        | Timing gear                                             |                                             | 2   | 5310.068             | 9630032804               |
| 37                                        | Torque locking assembly                                 |                                             | 2   | 5210.034             | 9630031162               |
| 45                                        | Drain plug                                              |                                             | 2   | 5615.005             | 9630024455               |
| 46                                        | Sight glass - standard (for ATEX pump see 'ATEX Parts') |                                             | 2   | 1660.008             | 9630023548               |
| 47                                        | Filler plug - standard (for ATEX pump see 'ATEX Parts') |                                             | 2   | 5480.001             | 9630032778               |
| 50                                        | Gland guard - standard (for ATEX pump see 'ATEX Parts') |                                             | 2   | 31491.0052.1         | 9630018599               |
| 51                                        | Screw, gland guard                                      |                                             | 2   | 5243.115             | 9630089888               |
| 52                                        | Washer, gland guard                                     |                                             | 2   | 5990.066             | 9630028936               |
| 53                                        | Washer, gland guard                                     |                                             | 2   | 6400.036             | 9630024231               |
|                                           |                                                         |                                             | 2   | 31499.5903.3         | 9630039001               |

# SRU5 Horizontally Ported Pump Model - Exploded View Drawing



| SRU5 Vertically Ported Pump |                                 |       |                                     |                                         |            |            |
|-----------------------------|---------------------------------|-------|-------------------------------------|-----------------------------------------|------------|------------|
| Drg No.                     | Description                     | Qty   | Part No.                            | Item No.                                |            |            |
| 1                           | Gearcase                        | 1     | 5220.355.00                         | 9630101616                              |            |            |
| 2                           | Dowel                           | 2     | 5170.010                            | 9630023461                              |            |            |
| 3                           | Stud, rotorcase retention       | 4     | 6350.138                            | 9630052265                              |            |            |
| 4                           | Nut, rotorcase retention        | 4     | 5330.001                            | 9630024053                              |            |            |
| 4A                          | Washer, rotorcase retention     | 4     | 6400.038                            | 9630024236                              |            |            |
| 5                           | Cover, gearcase                 | 1     | 5120.165                            | 9630072515                              |            |            |
| 6                           | Screw, gearcase cover           | 5     | 5990.030                            | 9630024629                              |            |            |
| 7                           | Lip seal, drive end             | 1     | 5310.012<br>5310.082                | 9630023996<br>9630032810                |            |            |
| 8                           | Shim                            | 1 set | 6150.158<br>6150.159                | 9630033860<br>9630033411                |            |            |
| 8A                          | Shim retainer                   | 2     | 6150.315                            | 9630089544                              |            |            |
| 8B                          | Screw, shim retainer            | 4     | 6000.010                            | 9630050533                              |            |            |
| 9                           | Rotorcase                       | 1     | see page 26-33                      | see page 26-33                          |            |            |
| 10                          | Stud, rotorcase/cover retention | 8     | 6350.104                            | 9630019863                              |            |            |
| 11                          | 'O' Ring, cover - plain         | 1     | NBR                                 | 1550.273                                | 9630046179 |            |
|                             |                                 |       | FPM                                 | 1551.273                                | 9630046180 |            |
|                             |                                 |       | EPDM                                | 1555.273                                | 9630046181 |            |
|                             |                                 |       | PTFE                                | 1552.273                                | 9630022526 |            |
|                             | 'O' Ring, cover - relief valve  |       | NBR                                 | 1550.274                                | 9630029652 |            |
|                             |                                 |       | FPM                                 | 1551.274                                | 9630028410 |            |
|                             |                                 |       | EPDM                                | 1555.274                                | 9630027380 |            |
|                             |                                 |       | PTFE                                | 1552.274                                | 9630031557 |            |
| 12                          | Cover, rotorcase                | 1     | 5130.315<br>5130.335<br>see page 63 | 9630046126<br>9630027765<br>see page 63 |            |            |
| 13                          | Dome nut, rotorcase cover       | 8     | 5340.047                            | 9630029651                              |            |            |
| 14                          | Retainer, seal                  | 2     | 5560.036                            | 9630026099                              |            |            |
| 15                          | Screw, seal retainer            | 6     | 5990.030                            | 9630024629                              |            |            |
| 16                          | Lip seal, gland end             | 2     | 5310.043<br>5310.076                | 9630030630<br>9630032802                |            |            |
| 17                          | Rotor, Trilobe Stainless Steel  | 2     | 10 bar 70°C                         | SRU5/116/HS                             | 5740.116D  | 9630046161 |
|                             |                                 |       | 10 bar 130°C                        | HS                                      | 5740.116E  | 9630047513 |
|                             |                                 |       | 10 bar 200°C                        |                                         | 5740.116F  | 9630048057 |
|                             |                                 |       | 20 bar 70°C                         | SRU5/116/HD                             | 5740.116K  | 9630046611 |
|                             |                                 |       | 20 bar 130°C                        | HD                                      | 5740.116L  | 9630048058 |
|                             |                                 |       | 20 bar 200°C                        |                                         | 5740.116M  | 9630048059 |
|                             | Rotor, Bilobe Stainless Steel   |       | 10 bar 70°C                         | SRU5/116/HS                             | 5741.116D  | 9630090615 |
|                             |                                 |       | 10 bar 130°C                        |                                         | 5741.116E  | 9630090616 |
|                             |                                 |       | 10 bar 200°C                        |                                         | 5741.116F  | 9630090617 |
|                             |                                 |       | 20 bar 70°C                         | SRU5/116/HD                             | 5741.116K  | 9630090618 |
|                             |                                 |       | 20 bar 130°C                        |                                         | 5741.116L  | 9630090619 |
|                             |                                 |       | 20 bar 200°C                        |                                         | 5741.116M  | 9630090620 |
|                             | Rotor, Bilobe non-galling       |       | 10 bar 70°C                         | SRU5/116/HS                             | 5761.116D  | 9630090512 |
|                             |                                 |       | 10 bar 130°C                        |                                         | 5761.116E  | 9630090513 |
|                             |                                 |       | 10 bar 200°C                        |                                         | 5761.116F  | 9630090514 |
|                             |                                 |       | 20 bar 70°C                         | SRU5/116/HD                             | 5761.116K  | 9630090515 |
|                             |                                 |       | 20 bar 130°C                        |                                         | 5761.116L  | 9630090516 |
|                             |                                 |       | 20 bar 200°C                        |                                         | 5761.116M  | 9630090517 |
|                             | Rotor, Trilobe, NBR covered     |       | SRU5/116                            | 5722.116                                | 9630021349 |            |
|                             | Rotor, Trilobe Stainless Steel  |       | 7 bar 70°C                          | SRU5/168/HS                             | 5740.168D  | 9630046162 |
|                             |                                 |       | 7 bar 130°C                         |                                         | 5740.168E  | 9630035491 |
|                             |                                 |       | 7 bar 200°C                         |                                         | 5740.168F  | 9630048060 |
|                             |                                 |       | 15 bar 70°C                         | SRU5/168/HD                             | 5740.168K  | 9630046607 |
|                             |                                 |       | 15 bar 130°C                        |                                         | 5740.168L  | 9630048061 |
|                             |                                 |       | 15 bar 200°C                        |                                         | 5740.168M  | 9630048062 |



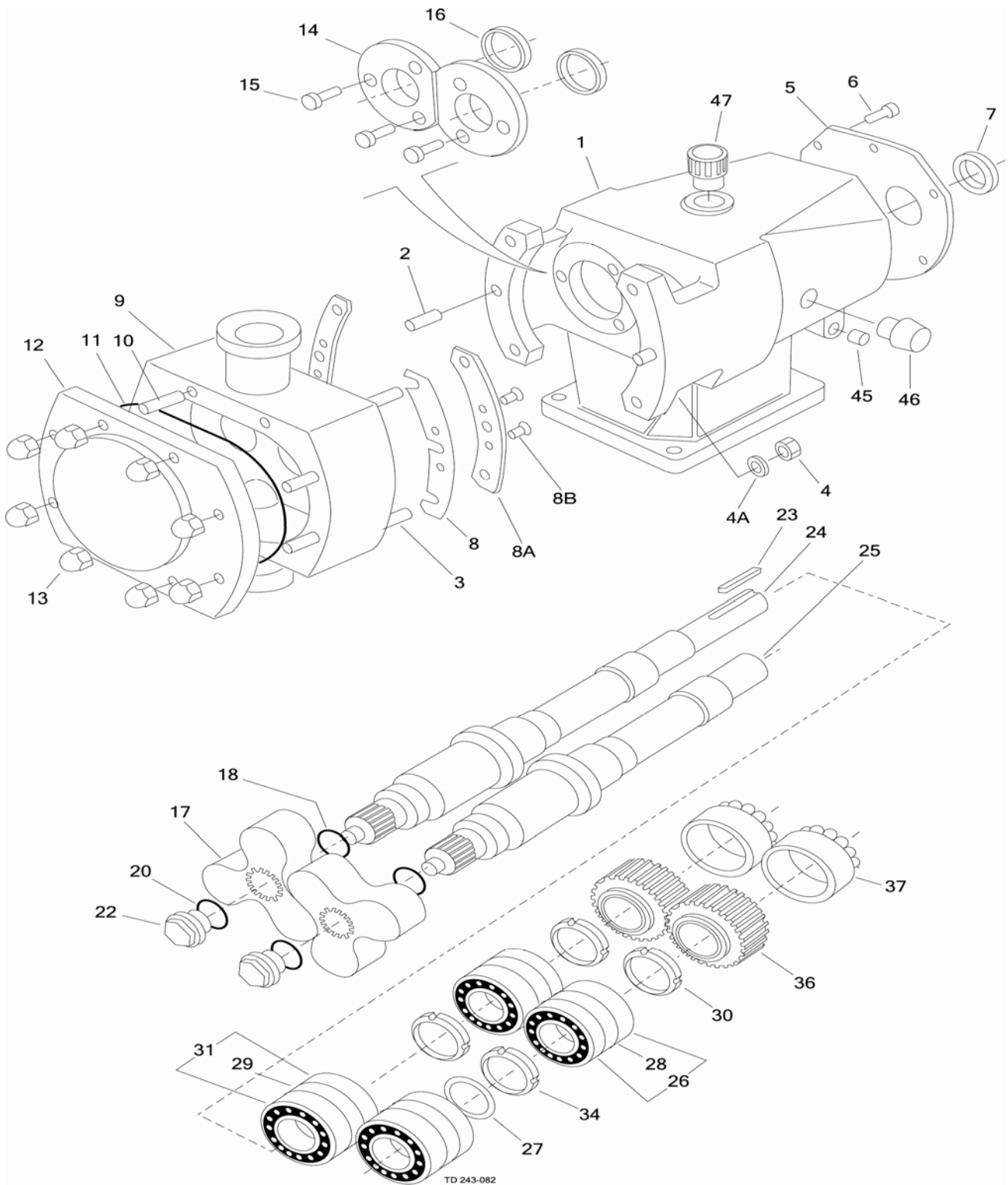
| SRU5 Vertically Ported Pump (continued) |                                                                |                                                       |                 |              |            |            |
|-----------------------------------------|----------------------------------------------------------------|-------------------------------------------------------|-----------------|--------------|------------|------------|
| Drg No.                                 | Description                                                    |                                                       |                 | Qty          | Part No.   | Item No.   |
| 17                                      | Rotor, Bilobe Stainless Steel                                  | 7 bar 70°C                                            | SRU5/168/<br>HS | 2            | 5741.168D  | 9630090621 |
|                                         |                                                                | 7 bar 130°C                                           |                 |              | 5741.168E  | 9630090622 |
|                                         |                                                                | 7 bar 200°C                                           |                 |              | 5741.168F  | 9630090623 |
|                                         |                                                                | 15 bar 70°C                                           | SRU5/168/<br>HD |              | 5741.168K  | 9630090624 |
|                                         |                                                                | 15 bar 130°C                                          |                 |              | 5741.168L  | 9630090625 |
|                                         |                                                                | 15 bar 200°C                                          |                 |              | 5741.168M  | 9630090626 |
|                                         | Rotor, Bilobe non-galling                                      | 7 bar 70°C                                            | SRU5/168/<br>HS |              | 5761.168D  | 9630090518 |
|                                         |                                                                | 7 bar 130°C                                           |                 |              | 5761.168E  | 9630090519 |
|                                         |                                                                | 7 bar 200°C                                           |                 |              | 5761.168F  | 9630090520 |
|                                         |                                                                | 15 bar 70°C                                           | SRU5/168/<br>HD |              | 5761.168K  | 9630090521 |
|                                         |                                                                | 15 bar 130°C                                          |                 |              | 5761.168L  | 9630090522 |
|                                         |                                                                | 15 bar 200°C                                          |                 |              | 5761.168M  | 9630090523 |
| Rotor, Trilobe, NBR covered             |                                                                |                                                       | SRU5/168        | 5722.168     | 9630022562 |            |
| 18                                      | 'O' Ring, rotor sealing shaft end (St.Stl rotor)               | NBR                                                   |                 | 1550.135     | 9630037151 |            |
|                                         |                                                                | FPM                                                   |                 | 1551.135     | 9630037153 |            |
|                                         |                                                                | EPDM                                                  |                 | 1555.135     | 9630037150 |            |
|                                         |                                                                | PTFE                                                  |                 | 1558.135     | 9630037154 |            |
|                                         |                                                                | 'O' Ring, rotor sealing shaft end (NBR covered rotor) |                 |              | NBR        | 5380.263   |
|                                         |                                                                | FPM                                                   |                 | 5380.273     | 9630027378 |            |
| EPDM                                    |                                                                | 5380.306                                              | 9630032653      |              |            |            |
| 20                                      |                                                                | 'O' Ring, rotor sealing nut end                       | NBR             | 1550.133     | 9630037146 |            |
|                                         | FPM                                                            |                                                       | 1551.133        | 9630037148   |            |            |
|                                         | EPDM                                                           |                                                       | 1555.133        | 9630037145   |            |            |
|                                         | PTFE                                                           |                                                       | 1558.133        | 9630037149   |            |            |
| 22                                      | Nut, rotor retention                                           | SRU5/116                                              | 2               | 5900.169     | 9630046134 |            |
|                                         |                                                                | SRU5/168                                              |                 | 5900.170     | 9630046142 |            |
| 23                                      | Key                                                            |                                                       | 1               | 5270.013     | 9630023940 |            |
| 24                                      | Shaft, drive (St.Stl)                                          | R90                                                   | 1               | 6110.551     | 9630031107 |            |
|                                         |                                                                | Hyclean                                               |                 | 6110.659     | 9630046284 |            |
|                                         | Shaft, drive (Duplex)                                          | R90                                                   |                 | 6110.558     | 9630031111 |            |
|                                         |                                                                | Hyclean                                               |                 | 6110.663     | 9630046280 |            |
| 25                                      | Shaft, auxiliary (St.Stl)                                      | R90                                                   | 1               | 6100.551     | 9630031109 |            |
|                                         |                                                                | Hyclean                                               |                 | 6100.659     | 9630046271 |            |
|                                         | Shaft, auxiliary (Duplex)                                      | R90                                                   |                 | 6100.558     | 9630031110 |            |
|                                         |                                                                | Hyclean                                               |                 | 6100.663     | 9630046273 |            |
| 26                                      | Bearing, rear                                                  |                                                       | 4               | 5080.015     | 9630029034 |            |
| 27                                      | Spacer, shaft abutment                                         |                                                       | 1               | 5670.067.01  | 9630035209 |            |
| 28                                      | Spacer, bearing drive end                                      |                                                       | 2               | 5670.049     | 9630031175 |            |
| 29                                      | Spacer, bearing gland end                                      |                                                       | 2               | 5670.051     | 9630031133 |            |
| 30                                      | Nut, bearing rear                                              |                                                       | 2               | 5340.035     | 9630024100 |            |
| 31                                      | Bearing, front                                                 |                                                       | 4               | 5080.017     | 9630029036 |            |
| 34                                      | Nut, bearing front                                             |                                                       | 2               | 5340.045     | 9630029139 |            |
| 36                                      | Timing gear                                                    |                                                       | 2               | 5210.034     | 9630031162 |            |
| 37                                      | Torque locking assembly                                        |                                                       | 2               | 5615.005     | 9630024455 |            |
| 45                                      | Drain plug                                                     |                                                       | 1               | 1660.008     | 9630023548 |            |
| 46                                      | Sight glass - standard (for ATEX pump see 'ATEX Parts')        |                                                       | 1               | 5480.001     | 9630032778 |            |
| 47                                      | Filler plug - standard (for ATEX pump see 'ATEX Parts')        |                                                       | 1               | 31491.0052.1 | 9630018599 |            |
| 48                                      | Plug                                                           |                                                       | 1               | 1660.008     | 9630023548 |            |
| 50                                      | Gland guard, upper - standard (for ATEX pump see 'ATEX Parts') |                                                       | 1               | 5243.115     | 9630089888 |            |
| 50A                                     | Gland guard, lower - standard (for ATEX pump see 'ATEX Parts') |                                                       | 1               | 5243.117     | 9630090985 |            |
| 51                                      | Screw, gland guard                                             |                                                       | 3               | 5990.066     | 9630028936 |            |
| 52                                      | Washer, gland guard                                            |                                                       | 3               | 6400.036     | 9630024231 |            |
| 53                                      | Washer, gland guard                                            |                                                       | 3               | 31499.5903.3 | 9630039001 |            |



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# SRU5 Vertically Ported Pump Model - Exploded View Drawing



| SRU6 Horizontally Ported Pump |                                                                      |                                             |                   |             |                      |                          |
|-------------------------------|----------------------------------------------------------------------|---------------------------------------------|-------------------|-------------|----------------------|--------------------------|
| Drg No.                       | Description                                                          |                                             |                   | Qty         | Part No.             | Item No.                 |
| 1                             | Gearcase AL Blue                                                     |                                             |                   | 1           | 5220.081.46          | 9630076719               |
| 2                             | Dowel                                                                |                                             |                   | 2           | 5170.011             | 9630023467               |
| 3                             | Stud, rotorcase retention                                            |                                             |                   | 4           | 6350.139             | 9630052267               |
| 4                             | Nut, rotorcase retention                                             |                                             |                   | 4           | 5330.002             | 9630024055               |
| 4A                            | Washer, rotorcase retention                                          |                                             |                   | 4           | 6400.041             | 9630024238               |
| 5                             | Cover, gearcase                                                      |                                             |                   | 1           | 5120.049             | 9630030972               |
| 6                             | Screw, gearcase cover                                                |                                             |                   | 6           | 5990.030             | 9630024629               |
| 7                             | Lip seal, drive end                                                  | (not for ATEX)                              | NBR<br>FPM        | 1           | 5310.039<br>5310.072 | 9630030625<br>9630032798 |
| 8                             | Shim                                                                 | (not for ATEX)                              | Polymex<br>St.Stl | 1 set       | 6150.160<br>6150.161 | 9630033391<br>9630033392 |
| 8A                            | Shim retainer                                                        |                                             |                   | 2           | 6150.266             | 9630051782               |
| 8B                            | Screw, shim retainer                                                 |                                             |                   | 4           | 6000.010             | 9630050533               |
| 9                             | Rotorcase                                                            |                                             |                   | 1           | see page 26-33       | see page 26-33           |
| 10                            | Stud, rotorcase/cover retention                                      |                                             |                   | 8           | 6350.098             | 9630030574               |
| 11                            | 'O' Ring, cover - plain                                              |                                             | NBR               | 1           | 1550.277             | 9630046182               |
|                               |                                                                      |                                             | FPM               |             | 1551.277             | 9630046183               |
|                               |                                                                      |                                             | EPDM              |             | 1555.277             | 9630046185               |
|                               |                                                                      |                                             | PTFE              |             | 1552.277             | 9630046184               |
|                               | 'O' Ring, cover - relief valve                                       |                                             | NBR               |             | 5380.210             | 9630030494               |
|                               |                                                                      |                                             | FPM               |             | 5380.276             | 9630027458               |
|                               |                                                                      |                                             | EPDM              |             | 5380.278             | 9630026948               |
|                               |                                                                      |                                             | PTFE              |             | 5380.266             | 9630031559               |
| Cover, rotorcase              | Plain<br>For rectangular inlet<br>Drilled for jacket<br>Relief valve |                                             | 1                 | 5130.316    | 9630046128           |                          |
|                               |                                                                      |                                             |                   | 5130.346    | 9630052945           |                          |
|                               |                                                                      |                                             |                   | 5130.336    | 9630027763           |                          |
|                               |                                                                      |                                             |                   | see page 63 | see page 63          |                          |
| 13                            | Dome nut, rotorcase cover                                            |                                             |                   | 8           | 5340.022             | 9630024088               |
| 14                            | Retainer, seal                                                       |                                             |                   | 2           | 5560.037             | 9630026103               |
| 15                            | Screw, seal retainer                                                 |                                             |                   | 6           | 5990.030             | 9630024629               |
| 16                            | Lip seal, gland end                                                  | (not for ATEX)                              | NBR<br>FPM        | 2           | 5310.044<br>5310.077 | 9630030631<br>9630032803 |
| 17                            | Rotor, Trilobe Stainless Steel                                       | 10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C | SRU6/260/<br>LS   | 2           | 5740.260D            | 9630088940               |
|                               |                                                                      |                                             |                   |             | 5740.260E            | 9630088964               |
|                               |                                                                      |                                             |                   |             | 5740.260F            | 9630088965               |
|                               |                                                                      |                                             |                   |             | 5740.260K            | 9630088966               |
|                               |                                                                      |                                             |                   |             | 5740.260L            | 9630088967               |
|                               |                                                                      |                                             |                   |             | 5740.260M            | 9630088968               |
|                               | Rotor, Bilobe Stainless Steel                                        | 10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C | SRU6/260/<br>LS   |             | 5741.260D            | 9630089843               |
|                               |                                                                      |                                             |                   |             | 5741.260E            | 9630090627               |
|                               |                                                                      |                                             |                   |             | 5741.260F            | 9630090628               |
|                               |                                                                      |                                             |                   |             | 5741.260K            | 9630090629               |
|                               |                                                                      |                                             |                   |             | 5741.260L            | 9630090630               |
|                               |                                                                      |                                             |                   |             | 5741.260M            | 9630090631               |
|                               | Rotor, Bilobe non-galling                                            | 10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C | SRU6/260/<br>LS   |             | 5761.260D            | 9630090549               |
|                               |                                                                      |                                             |                   |             | 5761.260E            | 9630090550               |
|                               |                                                                      |                                             |                   |             | 5761.260F            | 9630090551               |
|                               |                                                                      |                                             |                   |             | 5761.260K            | 9630090552               |
|                               |                                                                      |                                             |                   |             | 5761.260L            | 9630090553               |
|                               |                                                                      |                                             |                   |             | 5761.260M            | 9630090554               |
|                               | Rotor, Trilobe Stainless Steel                                       | 7 bar 70°C<br>7 bar 130°C<br>7 bar 200°C    | SRU6/353/<br>LS   |             | 5740.353D            | 9630046164               |
|                               |                                                                      |                                             |                   |             | 5740.353E            | 9630021847               |
| 5740.353F                     |                                                                      |                                             |                   | 9630049090  |                      |                          |
| 5740.353K                     |                                                                      |                                             |                   | 9630048560  |                      |                          |
| 5740.353L                     |                                                                      |                                             |                   | 9630020871  |                      |                          |
| 5740.353M                     |                                                                      |                                             |                   | 9630057067  |                      |                          |

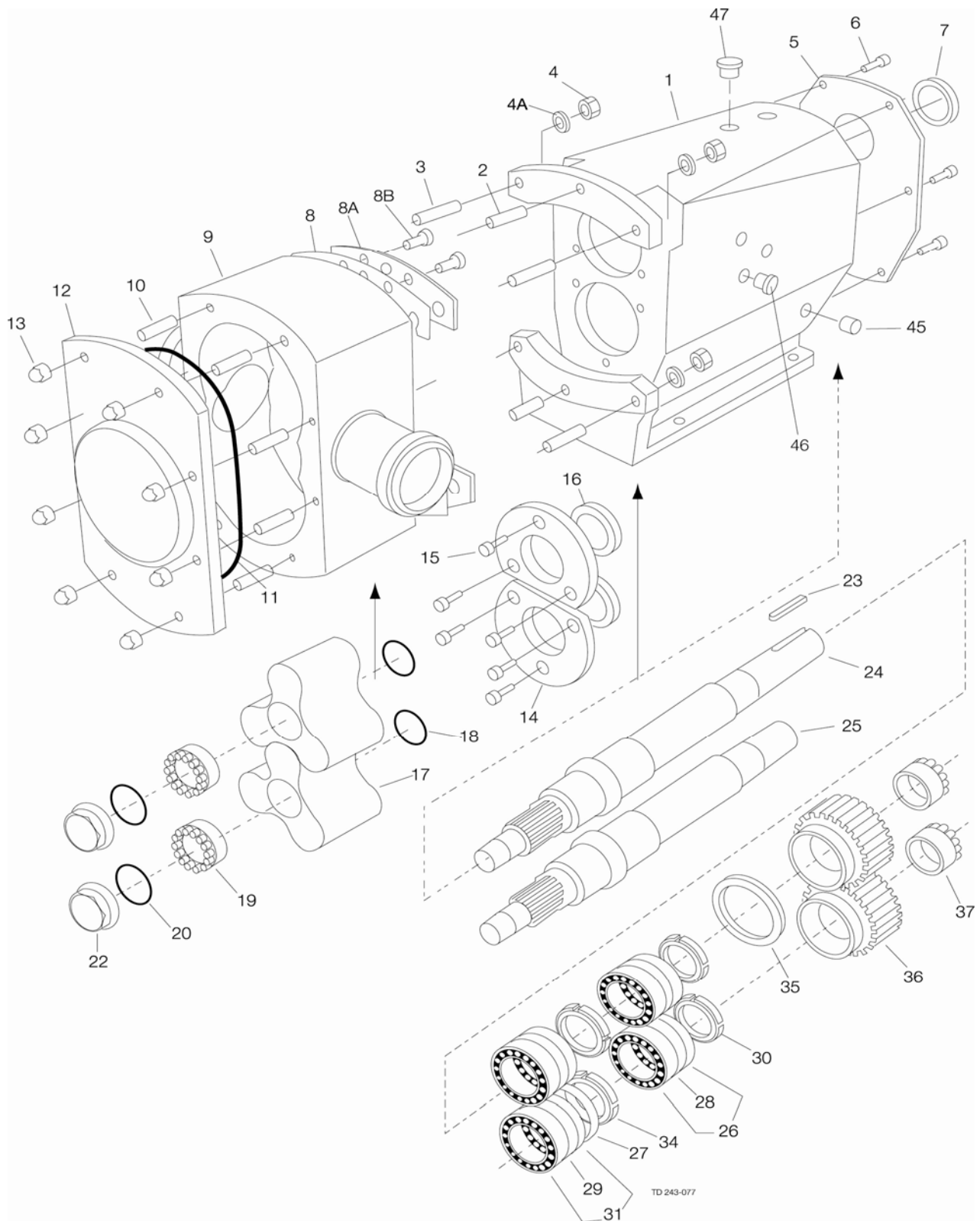


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| SRU6 Horizontally Ported Pump (continued) |                                                         |                    |     |              |            |
|-------------------------------------------|---------------------------------------------------------|--------------------|-----|--------------|------------|
| Drg No.                                   | Description                                             |                    | Qty | Part No.     | Item No.   |
| 17                                        | Rotor, Bilobe Stainless Steel                           | 7 bar 70°C         | 2   | 5741.353D    | 9630090632 |
|                                           |                                                         | 7 bar 130°C        |     | 5741.353E    | 9630090633 |
|                                           |                                                         | 7 bar 200°C        |     | 5741.353F    | 9630090634 |
|                                           |                                                         | 15 bar 70°C        |     | 5741.353K    | 9630090635 |
|                                           |                                                         | 15 bar 130°C       |     | 5741.353L    | 9630090636 |
|                                           |                                                         | 15 bar 200°C       |     | 5741.353M    | 9630090637 |
|                                           | Rotor, Bilobe non-galling                               | 7 bar 70°C         |     | 5761.353D    | 9630090532 |
|                                           |                                                         | 7 bar 130°C        |     | 5761.353E    | 9630090533 |
|                                           |                                                         | 7 bar 200°C        |     | 5761.353F    | 9630090534 |
|                                           |                                                         | 15 bar 70°C        |     | 5761.353K    | 9630090535 |
|                                           |                                                         | 15 bar 130°C       |     | 5761.353L    | 9630090536 |
|                                           |                                                         | 15 bar 200°C       |     | 5761.353M    | 9630090537 |
| 18                                        | Rotor, Trilobe, NBR covered                             |                    | 2   | 5722.353     | 9630029892 |
|                                           | 'O' Ring, rotor sealing shaft end (St.Stl rotor)        | NBR                |     | 1550.143     | 9630046199 |
|                                           |                                                         | FPM                |     | 1551.143     | 9630046200 |
|                                           |                                                         | EPDM               |     | 1555.143     | 9630046201 |
|                                           |                                                         | PTFE               |     | 1558.143     | 9630046202 |
|                                           | 'O' Ring, rotor sealing shaft end (NBR covered rotor)   | NBR                |     | 5380.025     | 9630024124 |
|                                           |                                                         | FPM                |     | 5380.026     | 9630024125 |
|                                           |                                                         | EPDM               |     | 5380.079     | 9630024196 |
| 19                                        | Torque locking assembly                                 |                    | 2   | 5615.014     | 9630029039 |
| 20                                        | 'O' Ring, rotor sealing nut end                         | NBR                | 2   | 1550.143     | 9630046199 |
|                                           |                                                         | FPM                |     | 1551.143     | 9630046200 |
|                                           |                                                         | EPDM               |     | 1555.143     | 9630046201 |
|                                           |                                                         | PTFE               |     | 1558.143     | 9630046202 |
| 22                                        | Nut, rotor retention                                    |                    | 2   | 5900.171     | 9630046136 |
| 23                                        | Key                                                     |                    | 1   | 5270.013     | 9630023940 |
| 24                                        | Shaft, drive (St.Stl)                                   | R90                | 1   | 6110.553     | 9630030811 |
|                                           |                                                         | Hyclean            |     | 6110.708     | 9630048167 |
|                                           | Shaft, drive (Duplex)                                   | R90                |     | 6110.559     | 9630030814 |
|                                           |                                                         | Hyclean            |     | 6110.709     | 9630048168 |
| 25                                        | Shaft, auxiliary (St.Stl)                               | R90                | 1   | 6100.553     | 9630030813 |
|                                           |                                                         | Hyclean            |     | 6100.708     | 9630048162 |
|                                           | Shaft, auxiliary (Duplex)                               | R90                |     | 6100.559     | 9630030815 |
|                                           |                                                         | Hyclean            |     | 6100.709     | 9630048163 |
| 26                                        | Bearing, rear                                           |                    | 4   | 5080.017     | 9630029036 |
| 27                                        | Spacer, shaft abutment                                  |                    | 1   | 5670.068.01  | 9630034661 |
| 28                                        | Spacer, bearing drive end                               |                    | 2   | 5670.051     | 9630031133 |
| 29                                        | Spacer, bearing gland end                               |                    | 2   | 5670.053     | 9630031135 |
| 30                                        | Nut, bearing rear                                       |                    | 2   | 5340.045     | 9630029139 |
| 31                                        | Bearing, front                                          |                    | 4   | 5080.019     | 9630029038 |
| 34                                        | Nut, bearing front                                      |                    | 2   | 5340.046     | 9630029140 |
| 35                                        | Lip seal, upper chamber                                 | (not for ATEX) NBR | 1   | 5310.046     | 9630030620 |
|                                           |                                                         | FPM                |     | 5310.069     | 9630032805 |
| 36                                        | Timing gear                                             |                    | 2   | 5210.035     | 9630030718 |
| 37                                        | Torque locking assembly                                 |                    | 2   | 5615.005     | 9630024455 |
| 45                                        | Drain plug                                              |                    | 2   | 1660.008     | 9630023548 |
| 46                                        | Sight glass - standard (for ATEX pump see 'ATEX Parts') |                    | 2   | 5480.001     | 9630032778 |
| 47                                        | Filler plug - standard (for ATEX pump see 'ATEX Parts') |                    | 2   | 31491.0052.1 | 9630018599 |
| 50                                        | Gland guard - standard (for ATEX pump see 'ATEX Parts') |                    | 2   | 5243.116     | 9630089889 |
| 51                                        | Screw, gland guard                                      |                    | 2   | 5990.066     | 9630028936 |
| 52                                        | Washer, gland guard                                     |                    | 2   | 6400.036     | 9630024231 |
| 53                                        | Washer, gland guard                                     |                    | 2   | 31499.5903.3 | 9630039001 |

# SRU6 Horizontally Ported Pump Model - Exploded View Drawing



| SRU6 Vertically Ported Pump |                                                                      |                                             |                   |             |                      |                          |
|-----------------------------|----------------------------------------------------------------------|---------------------------------------------|-------------------|-------------|----------------------|--------------------------|
| Drg No.                     | Description                                                          |                                             |                   | Qty         | Part No.             | Item No.                 |
| 1                           | Gearcase AL Blue                                                     |                                             |                   | 1           | 5220.329.46          | 9630086308               |
| 2                           | Dowel                                                                |                                             |                   | 2           | 5170.011             | 9630023467               |
| 3                           | Stud, rotorcase retention                                            |                                             |                   | 4           | 6350.139             | 9630052267               |
| 4                           | Nut, rotorcase retention                                             |                                             |                   | 4           | 5330.002             | 9630024055               |
| 4A                          | Washer, rotorcase retention                                          |                                             |                   | 4           | 6400.041             | 9630024238               |
| 5                           | Cover, gearcase                                                      |                                             |                   | 1           | 5120.150             | 9630058651               |
| 6                           | Screw, gearcase cover                                                |                                             |                   | 5           | 5990.030             | 9630024629               |
| 7                           | Lip seal, drive end                                                  | (not for ATEX)                              | NBR<br>FPM        | 1           | 5310.039<br>5310.072 | 9630030625<br>9630032798 |
| 8                           | Shim                                                                 | (not for ATEX)                              | Polymex<br>St.Stl | 1 set       | 6150.160<br>6151.161 | 9630033391<br>9630033392 |
| 8A                          | Shim retainer                                                        |                                             |                   | 2           | 6150.266             | 9630051782               |
| 8B                          | Screw, shim retainer                                                 |                                             |                   | 4           | 6000.010             | 9630050533               |
| 9                           | Rotorcase                                                            |                                             |                   | 1           | see page 26-33       | see page 26-33           |
| 10                          | Stud, rotorcase/cover retention                                      |                                             |                   | 8           | 6350.098             | 9630030574               |
| 11                          | 'O' Ring, cover - plain                                              |                                             | NBR               | 1           | 1550.277             | 9630046182               |
|                             |                                                                      |                                             | FPM               |             | 1551.277             | 9630046183               |
|                             |                                                                      |                                             | EPDM              |             | 1555.277             | 9630046185               |
|                             |                                                                      |                                             | PTFE              |             | 1552.277             | 9630046184               |
|                             | 'O' Ring, cover - relief valve                                       |                                             | NBR               |             | 5380.210             | 9630030494               |
|                             |                                                                      |                                             | FPM               |             | 5380.276             | 9630027458               |
|                             |                                                                      |                                             | EPDM              |             | 5380.278             | 9630026948               |
|                             |                                                                      |                                             | PTFE              |             | 5380.266             | 9630031559               |
| Cover, rotorcase            | Plain<br>For rectangular inlet<br>Drilled for jacket<br>Relief valve |                                             | 1                 | 5130.316    | 9630046128           |                          |
|                             |                                                                      |                                             |                   | 5130.346    | 9630052945           |                          |
|                             |                                                                      |                                             |                   | 5130.336    | 9630027763           |                          |
|                             |                                                                      |                                             |                   | see page 63 | see page 63          |                          |
| 13                          | Dome nut, rotorcase cover                                            |                                             |                   | 8           | 5340.022             | 9630024088               |
| 14                          | Retainer, seal                                                       |                                             |                   | 2           | 5560.037             | 9630026103               |
| 15                          | Screw, seal retainer                                                 |                                             |                   | 6           | 5990.030             | 9630024629               |
| 16                          | Lip seal, gland end                                                  | (not for ATEX)                              | NBR<br>FPM        | 2           | 5310.044<br>5310.077 | 9630030631<br>9630032803 |
| 17                          | Rotor, Trilobe Stainless Steel                                       | 10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C | SRU6/260/<br>HS   | 2           | 5740.260D            | 9630088940               |
|                             |                                                                      |                                             |                   |             | 5740.260E            | 9630088964               |
|                             |                                                                      |                                             |                   |             | 5740.260F            | 9630088965               |
|                             |                                                                      |                                             |                   |             | 5740.260K            | 9630088966               |
|                             |                                                                      |                                             |                   |             | 5740.260L            | 9630088967               |
|                             |                                                                      |                                             |                   |             | 5740.260M            | 9630088968               |
|                             | Rotor, Bilobe Stainless Steel                                        | 10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C | SRU6/260/<br>HS   |             | 5741.260D            | 9630089843               |
|                             |                                                                      |                                             |                   |             | 5741.260E            | 9630090627               |
|                             |                                                                      |                                             |                   |             | 5741.260F            | 9630090628               |
|                             |                                                                      |                                             |                   |             | 5741.260K            | 9630090629               |
|                             |                                                                      |                                             |                   |             | 5741.260L            | 9630090630               |
|                             |                                                                      |                                             |                   |             | 5741.260M            | 9630090631               |
|                             | Rotor, Bilobe non-galling                                            | 10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C | SRU6/260/<br>HS   |             | 5761.260D            | 9630090549               |
|                             |                                                                      |                                             |                   |             | 5761.260E            | 9630090550               |
|                             |                                                                      |                                             |                   |             | 5761.260F            | 9630090551               |
|                             |                                                                      |                                             |                   |             | 5761.260K            | 9630090552               |
|                             |                                                                      |                                             |                   |             | 5761.260L            | 9630090553               |
|                             |                                                                      |                                             |                   |             | 5761.260M            | 9630090554               |
|                             | Rotor, Trilobe Stainless Steel                                       | 7 bar 70°C<br>7 bar 130°C<br>7 bar 200°C    | SRU6/353/<br>HS   |             | 5740.353D            | 9630046164               |
|                             |                                                                      |                                             |                   |             | 5740.353E            | 9630021847               |
| 5740.353F                   |                                                                      |                                             |                   | 9630049090  |                      |                          |
| 5740.353K                   |                                                                      |                                             |                   | 9630048560  |                      |                          |
| 5740.353L                   |                                                                      |                                             |                   | 9630020871  |                      |                          |
| 5740.353M                   |                                                                      |                                             |                   | 9630057067  |                      |                          |



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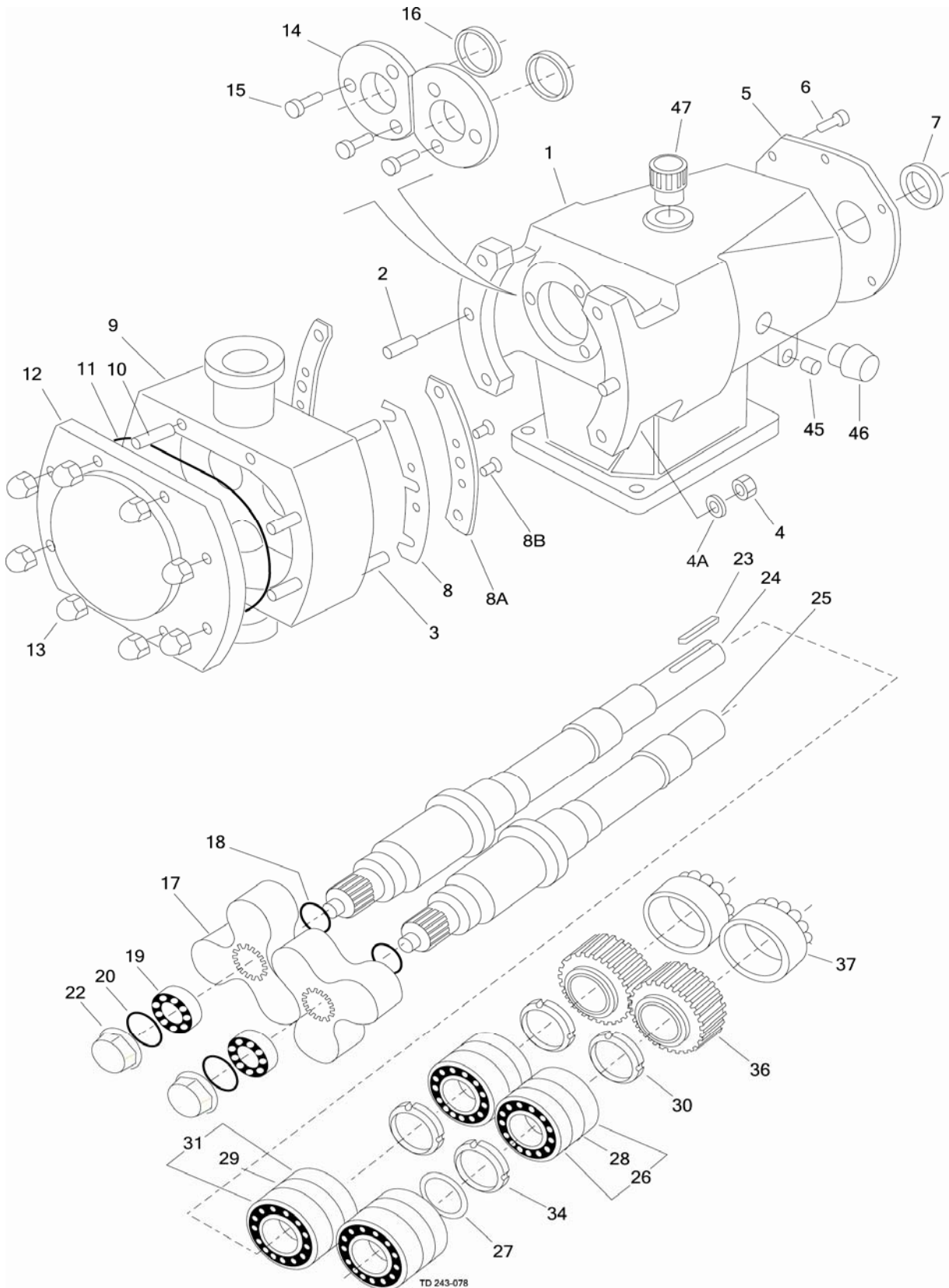
| SRU6 Vertically Ported Pump (continued) |                                                                |              |             |          |              |            |
|-----------------------------------------|----------------------------------------------------------------|--------------|-------------|----------|--------------|------------|
| Drg No.                                 | Description                                                    |              |             | Qty      | Part No.     | Item No.   |
| 17                                      | Rotor, Bilobe Stainless Steel                                  | 7 bar 70°C   | SRU6/353/HS | 2        | 5741.353D    | 9630090632 |
|                                         |                                                                | 7 bar 130°C  |             |          | 5741.353E    | 9630090633 |
|                                         |                                                                | 7 bar 200°C  |             |          | 5741.353F    | 9630090634 |
|                                         |                                                                | 15 bar 70°C  | SRU6/353/HD |          | 5741.353K    | 9630090635 |
|                                         |                                                                | 15 bar 130°C |             |          | 5741.353L    | 9630090636 |
|                                         |                                                                | 15 bar 200°C |             |          | 5741.353M    | 9630090637 |
|                                         | Rotor, Bilobe non-galling                                      | 7 bar 70°C   | SRU6/353/HS |          | 5761.353D    | 9630090532 |
|                                         |                                                                | 7 bar 130°C  |             |          | 5761.353E    | 9630090533 |
|                                         |                                                                | 7 bar 200°C  |             |          | 5761.353F    | 9630090534 |
|                                         |                                                                | 15 bar 70°C  | SRU6/353/HD |          | 5761.353K    | 9630090535 |
|                                         |                                                                | 15 bar 130°C |             |          | 5761.353L    | 9630090536 |
|                                         |                                                                | 15 bar 200°C |             |          | 5761.353M    | 9630090537 |
| Rotor, Trilobe, NBR covered             |                                                                |              | SRU6/353    | 5722.353 | 9630029892   |            |
| 18                                      | 'O' Ring, rotor sealing shaft end (St.Stl rotor)               | NBR          |             | 1550.143 | 9630046199   |            |
|                                         |                                                                | FPM          |             | 1551.143 | 9630046200   |            |
|                                         |                                                                | EPDM         |             | 1555.143 | 9630046201   |            |
|                                         |                                                                | PTFE         |             | 1558.143 | 9630046202   |            |
|                                         |                                                                |              |             |          |              |            |
|                                         | 'O' Ring, rotor sealing shaft end (NBR covered rotor)          |              | NBR         | 5380.025 | 9630024124   |            |
| 19                                      |                                                                |              | FPM         | 5380.026 | 9630024125   |            |
|                                         |                                                                |              | EPDM        | 5380.079 | 9630024196   |            |
|                                         | Torque locking assembly                                        |              |             | 2        | 5615.014     | 9630029039 |
| 20                                      | 'O' Ring, rotor sealing nut end                                | NBR          |             | 1550.143 | 9630046199   |            |
|                                         |                                                                | FPM          |             | 1551.143 | 9630046200   |            |
|                                         |                                                                | EPDM         |             | 1555.143 | 9630046201   |            |
|                                         |                                                                | PTFE         |             | 1558.143 | 9630046202   |            |
| 22                                      | Nut, rotor retention                                           | SRU6/260     |             | 2        | 5900.171     | 9630046136 |
| 23                                      | Key                                                            | SRU6/353     |             |          | 5900.172     | 9630046144 |
| 24                                      | Shaft, drive (St.Stl)                                          | R90          |             | 1        | 5270.013     | 9630023940 |
|                                         |                                                                | Hyclean      |             |          | 6110.553     | 9630030811 |
|                                         | Shaft, drive (Duplex)                                          | R90          |             |          | 6110.708     | 9630048167 |
| 25                                      | Shaft, auxiliary (St.Stl)                                      | Hyclean      |             | 1        | 6110.559     | 9630030814 |
|                                         |                                                                |              |             |          | 6110.709     | 9630048168 |
|                                         | Shaft, auxiliary (Duplex)                                      | R90          |             |          | 6100.553     | 9630030813 |
|                                         |                                                                | Hyclean      |             |          | 6100.708     | 9630048162 |
| 26                                      | Bearing, rear                                                  |              |             | 4        | 6100.559     | 9630030815 |
| 27                                      | Spacer, shaft abutment                                         |              |             |          | 6100.709     | 9630048163 |
| 28                                      | Spacer, bearing drive end                                      |              |             | 4        | 5080.017     | 9630029036 |
| 29                                      | Spacer, bearing gland end                                      |              |             | 1        | 5670.068.01  | 9630034661 |
| 30                                      | Nut, bearing rear                                              |              |             | 2        | 5670.051     | 9630031133 |
| 31                                      | Bearing, front                                                 |              |             | 2        | 5670.053     | 9630031135 |
| 34                                      | Nut, bearing front                                             |              |             | 2        | 5340.045     | 9630029139 |
| 36                                      | Timing gear                                                    |              |             | 2        | 5080.019     | 9630029038 |
| 37                                      | Torque locking assembly                                        |              |             | 2        | 5340.046     | 9630029140 |
| 45                                      | Drain plug                                                     |              |             | 2        | 5210.035     | 9630030718 |
| 46                                      | Sight glass - standard (for ATEX pump see 'ATEX Parts')        |              |             | 2        | 5615.005     | 9630024455 |
| 47                                      | Filler plug - standard (for ATEX pump see 'ATEX Parts')        |              |             | 1        | 1660.008     | 9630023548 |
| 48                                      | Plug                                                           |              |             | 1        | 5480.001     | 9630032778 |
| 50                                      | Gland guard, upper - standard (for ATEX pump see 'ATEX Parts') |              |             | 1        | 31491.0052.1 | 9630018599 |
| 50A                                     | Gland guard, lower - standard (for ATEX pump see 'ATEX Parts') |              |             | 1        | 1660.008     | 9630023548 |
| 51                                      | Screw, gland guard                                             |              |             | 1        | 5243.116     | 9630089889 |
| 52                                      | Washer, gland guard                                            |              |             | 1        | 5243.118     | 9630090986 |
| 53                                      | Washer, gland guard                                            |              |             | 3        | 5990.066     | 9630028936 |
|                                         |                                                                |              |             | 3        | 6400.036     | 9630024231 |
|                                         |                                                                |              |             | 3        | 31499.5903.3 | 9630039001 |



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# SRU6 Vertically Ported Pump Model - Exploded View Drawing



| Rotorcases - R90 and Packed Gland - SRU1 and SRU2 Pump Models |      |    |           |            |      |    |           |            |
|---------------------------------------------------------------|------|----|-----------|------------|------|----|-----------|------------|
| Port Standard                                                 | Size |    | SRU1/005  |            | Size |    | SRU1/008  |            |
|                                                               | in   | mm | Part No.  | Item No.   | in   | mm | Part No.  | Item No.   |
| BSP                                                           | 1    | 25 | 9037.026S | 9630035253 | 1    | 25 | 9402.026S | 9630094184 |
|                                                               |      |    |           |            | 1½   | 40 | 9038.027S | 9630041361 |
| BSPT                                                          | 1    | 25 | 9037.058S | 9630047685 | 1    | 25 | 9402.058S | 9630100140 |
|                                                               |      |    |           |            | 1½   | 40 | 9038.059S | 9630049263 |
| DIN11851                                                      | 1    | 25 | 9037.090S | 9630035408 | 1    | 25 | 9402.090S | 9630091092 |
|                                                               |      |    |           |            | 1½   | 40 | 9038.091S | 9630044839 |
| ISS/IDF                                                       | 1    | 25 | 9037.042S | 9630041360 | 1    | 25 | 9402.042S | 9630091094 |
|                                                               |      |    |           |            | 1½   | 40 | 9038.043S | 9630032114 |
| NPT                                                           | 1    | 25 | 9037.050S | 9630025360 | 1    | 25 | 9402.050S |            |
|                                                               |      |    |           |            | 1½   | 40 | 9038.051S | 9630041025 |
| RDG                                                           | 1    | 25 | 9037.106S | 9630036912 | 1    | 25 | 9402.106S | 9630095526 |
|                                                               |      |    |           |            | 1½   | 40 | 9038.107S | 9630045960 |
| RJT                                                           | 1    | 25 | 9037.034S | 9630040936 | 1    | 25 | 9402.034S | 9630090682 |
|                                                               |      |    |           |            | 1½   | 40 | 9038.035S | 9630027464 |
| SMS                                                           | 1    | 25 | 9037.074S | 9630048554 | 1    | 25 | 9402.074S | 9630091095 |
|                                                               |      |    |           |            | 1½   | 40 | 9038.075S | 9630035482 |
| SMS FS                                                        | 1    | 25 | 9037.098S | 9630042643 | 1    | 25 | 9402.098S |            |
|                                                               |      |    |           |            | 1½   | 40 | 9038.099S | 9630040688 |
| Tri-clamp (BS4825)                                            | 1    | 25 | 9037.082S | 9630034317 | 1    | 25 | 9402.082S | 9630091096 |
|                                                               |      |    |           |            | 1½   | 40 | 9038.083S | 9630035370 |
| ASA/ANSI 150RF                                                | 1    | 25 | 9037.018S | 9630040467 | 1    | 25 | 9402.018S | 9630091608 |
|                                                               |      |    |           |            | 1½   | 40 | 9038.019S | 9630032891 |
| BS10E                                                         | 1    | 25 | 9037.002S | 9630042822 | 1    | 25 | 9402.002S |            |
|                                                               |      |    |           |            | 1½   | 40 | 9038.003S | 9630045877 |
| BS4504/DIN2533                                                | 1    | 25 | 9037.010S | 9630046881 | 1    | 25 | 9402.010S | 9630096325 |
|                                                               |      |    |           |            | 1½   | 40 | 9038.011S | 9630039966 |
| Port Standard                                                 | Size |    | SRU2/013  |            | Size |    | SRU2/018  |            |
|                                                               | in   | mm | Part No.  | Item No.   | in   | mm | Part No.  | Item No.   |
| BSP                                                           | 1    | 25 | 9403.026S | 9630097142 | 1½   | 40 | 9040.252S | 9630038875 |
|                                                               |      |    |           |            | 1½   | 40 | 9040.028S | 9630035255 |
| BSPT                                                          | 1    | 25 | 9403.058S | 9630096197 | 1½   | 40 | 9040.696S |            |
|                                                               |      |    |           |            | 1½   | 40 | 9040.060S | 9630041917 |
| DIN11851                                                      | 1    | 25 | 9403.090S | 9630091135 | 1½   | 40 | 9040.276S | 9630047060 |
|                                                               |      |    |           |            | 1½   | 40 | 9040.092S | 9630044840 |
| ISS/IDF                                                       | 1    | 25 | 9403.042S | 9630091136 | 1½   | 40 | 9040.318S | 9630051111 |
|                                                               |      |    |           |            | 1½   | 40 | 9040.044S | 9630034882 |
| NPT                                                           | 1    | 25 | 9403.050S |            | 1½   | 40 | 9040.695S |            |
|                                                               |      |    |           |            | 1½   | 40 | 9040.052S | 9630043302 |
| RDG                                                           | 1    | 25 | 9403.106S | 9630096259 | 1½   | 40 | 9040.699S | 9630096262 |
|                                                               |      |    |           |            | 1½   | 40 | 9040.108S | 9630040515 |
| RJT                                                           | 1    | 25 | 9403.034S | 9630090684 | 1½   | 40 | 9040.342S | 9630049667 |
|                                                               |      |    |           |            | 1½   | 40 | 9040.036S | 9630042855 |
| SMS                                                           | 1    | 25 | 9403.074S | 9630091137 | 1½   | 40 | 9040.253S | 9630047840 |
|                                                               |      |    |           |            | 1½   | 40 | 9040.076S | 9630035191 |
| SMS FS                                                        | 1    | 25 | 9403.098S |            | 1½   | 40 | 9040.698S |            |
|                                                               |      |    |           |            | 1½   | 40 | 9040.100S | 9630042901 |
| Tri-clamp (BS4825)                                            | 1    | 25 | 9403.082S | 9630091138 | 1½   | 40 | 9040.274S | 9630050076 |
|                                                               |      |    |           |            | 1½   | 40 | 9040.084S | 9630034323 |
| ASA/ANSI 150RF                                                | 1    | 25 | 9403.018S | 9630097319 | 1½   | 40 | 9040.360S | 9630052895 |
|                                                               |      |    |           |            | 1½   | 40 | 9040.020S | 9630037418 |
| BS10E                                                         | 1    | 25 | 9403.002S |            | 1½   | 40 | 9040.694S |            |
|                                                               |      |    |           |            | 1½   | 40 | 9040.004S | 9630035615 |
| BS4504/DIN2533                                                | 1    | 25 | 9403.010S | 9630097318 | 1½   | 40 | 9040.416S | 9630066552 |
|                                                               |      |    |           |            | 1½   | 40 | 9040.012S | 9630042646 |

Note: See pages 31-33 for other rotorcase part numbers.



| Rotorcases - R90 and Packed Gland - SRU3 and SRU4 Pump Models |      |    |           |            |      |    |           |            |
|---------------------------------------------------------------|------|----|-----------|------------|------|----|-----------|------------|
| Port Standard                                                 | Size |    | SRU3/027  |            | Size |    | SRU3/038  |            |
|                                                               | in   | mm | Part No.  | Item No.   | in   | mm | Part No.  | Item No.   |
| BSP                                                           | 1½   | 40 | 9041.252S | 9630053809 | 2    | 50 | 9042.231S | 9630054621 |
|                                                               | 2    | 50 | 9041.028S | 9630035459 | 2½   | 65 | 9042.030S | 9630035256 |
| BSPT                                                          | 1½   | 40 | 9041.696S |            | 2    | 50 | 9042.283S | 9630064524 |
|                                                               | 2    | 50 | 9041.060S | 9630029609 | 2½   | 65 | 9042.062S | 9630046105 |
| DIN11851                                                      | 1½   | 40 | 9041.276S | 9630061933 | 2    | 50 | 9042.235S | 9630043521 |
|                                                               | 2    | 50 | 9041.092S | 9630046494 | 2½   | 65 | 9042.094S | 9630033350 |
| ISS/IDF                                                       | 1½   | 40 | 9041.318S | 9630069141 | 2    | 50 | 9042.233S | 9630045797 |
|                                                               | 2    | 50 | 9041.044S | 9630037083 | 2½   | 65 | 9042.046S | 9630045780 |
| NPT                                                           | 1½   | 40 | 9041.695S |            | 2    | 50 | 9042.707S |            |
|                                                               | 2    | 50 | 9041.052S | 9630035343 | 2½   | 65 | 9042.054S | 9630049133 |
| RDG                                                           | 1½   | 40 | 9041.699S | 9630099043 | 2    | 50 | 9042.383S | 9630071039 |
|                                                               | 2    | 50 | 9041.108S | 9630045994 | 2½   | 65 | 9042.110S | 9630041411 |
| RJT                                                           | 1½   | 40 | 9041.342S | 9630052370 | 2    | 50 | 9042.232S | 9630046015 |
|                                                               | 2    | 50 | 9041.036S | 9630035368 | 2½   | 65 | 9042.038S | 9630033412 |
| SMS                                                           | 1½   | 40 | 9041.253S | 9630047805 | 2    | 50 | 9042.234S | 9630049451 |
|                                                               | 2    | 50 | 9041.076S | 9630040720 | 2½   | 65 | 9042.078S | 9630039493 |
| SMS FS                                                        | 1½   | 40 | 9041.698S |            | 2    | 50 | 9042.709S |            |
|                                                               | 2    | 50 | 9041.100S | 9630040687 | 2½   | 65 | 9042.102S | 9630046884 |
| Tri-clamp (BS4825)                                            | 1½   | 40 | 9041.274S | 9630050075 | 2    | 50 | 9042.271S | 9630050074 |
|                                                               | 2    | 50 | 9041.084S | 9630034320 | 2½   | 65 | 9042.086S | 9630035195 |
| ASA/ANSI 150RF                                                | 1½   | 40 | 9041.360S | 9630053629 | 2    | 50 | 9042.272S | 9630049332 |
|                                                               | 2    | 50 | 9041.020S | 9630040626 | 2½   | 65 | 9042.022S | 9630030030 |
| BS10E                                                         | 1½   | 40 | 9041.694S |            | 2    | 50 | 9042.706S |            |
|                                                               | 2    | 50 | 9041.004S | 9630045554 | 2½   | 65 | 9042.006S | 9630049477 |
| BS4504/DIN2533                                                | 1½   | 40 | 9041.416S | 9630075563 | 2    | 50 | 9042.327S | 9630050103 |
|                                                               | 2    | 50 | 9041.012S | 9630028993 | 2½   | 65 | 9042.014S | 9630041044 |
| Port Standard                                                 | Size |    | SRU4/055  |            | Size |    | SRU4/079  |            |
|                                                               | in   | mm | Part No.  | Item No.   | in   | mm | Part No.  | Item No.   |
| BSP                                                           | 2    | 50 | 9043.231S | 9630051186 | 2½   | 65 | 9408.644S |            |
|                                                               | 2½   | 65 | 9043.030S | 9630034294 | 3    | 80 | 9044.135S | 9630035200 |
| BSPT                                                          | 2    | 50 | 9043.283S | 9630101275 | 2½   | 65 | 9408.647S |            |
|                                                               | 2½   | 65 | 9043.062S | 9630047680 | 3    | 80 | 9044.143S | 9630046558 |
| DIN11851                                                      | 2    | 50 | 9043.235S | 9630050860 | 2½   | 65 | 9408.651S | 9630091139 |
|                                                               | 2½   | 65 | 9043.094S | 9630028631 | 3    | 80 | 9044.151S | 9630040420 |
| ISS/IDF                                                       | 2    | 50 | 9043.233S | 9630050954 | 2½   | 65 | 9408.645S | 9630091140 |
|                                                               | 2½   | 65 | 9043.046S | 9630046826 | 3    | 80 | 9044.139S | 9630040340 |
| NPT                                                           | 2    | 50 | 9043.707S |            | 2½   | 65 | 9408.646S |            |
|                                                               | 2½   | 65 | 9043.054S | 9630022489 | 3    | 80 | 9044.141S | 9630047284 |
| RDG                                                           | 2    | 50 | 9043.383S | 9630099338 | 2½   | 65 | 9408.653S | 9630099339 |
|                                                               | 2½   | 65 | 9043.110S | 9630038257 | 3    | 80 | 9044.155S | 9630041401 |
| RJT                                                           | 2    | 50 | 9043.232S | 9630049172 | 2½   | 65 | 9408.623S | 9630087647 |
|                                                               | 2½   | 65 | 9043.038S | 9630033116 | 3    | 80 | 9044.137S | 9630040693 |
| SMS                                                           | 2    | 50 | 9043.234S | 9630051221 | 2½   | 65 | 9408.649S | 9630091141 |
|                                                               | 2½   | 65 | 9043.078S | 9630046955 | 3    | 80 | 9044.147S | 9630035480 |
| SMS FS                                                        | 2    | 50 | 9043.709S |            | 2½   | 65 | 9408.652S | 9630099704 |
|                                                               | 2½   | 65 | 9043.102S | 9630036291 | 3    | 80 | 9044.153S | 9630040686 |
| Tri-clamp (BS4825)                                            | 2    | 50 | 9043.271S | 9630051385 | 2½   | 65 | 9408.650S | 9630091142 |
|                                                               | 2½   | 65 | 9043.086S | 9630034321 | 3    | 80 | 9044.149S | 9630025894 |
| ASA/ANSI 150RF                                                | 2    | 50 | 9043.272S | 9630044148 | 2½   | 65 | 9408.685S | 9630095534 |
|                                                               | 2½   | 65 | 9043.022S | 9630039583 | 3    | 80 | 9044.133S | 9630020783 |
| BS10E                                                         | 2    | 50 | 9043.706S |            | 2½   | 65 | 9408.683S |            |
|                                                               | 2½   | 65 | 9043.006S | 9630045833 | 3    | 80 | 9044.129S | 9630045984 |
| BS4504/DIN2533                                                | 2    | 50 | 9043.327S | 9630053994 | 2½   | 65 | 9408.684S | 9630096996 |
|                                                               | 2½   | 65 | 9043.014S | 9630039967 | 3    | 80 | 9044.131S | 9630034945 |

Note: See pages 31-33 for other rotorcase part numbers.



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| Rotorcases - R90 and Packed Gland - SRU5 and SRU6 Pump Models |      |     |           |            |      |     |           |            |
|---------------------------------------------------------------|------|-----|-----------|------------|------|-----|-----------|------------|
| Port Standard                                                 | Size |     | SRU5/116  |            | Size |     | SRU5/168  |            |
|                                                               | in   | mm  | Part No.  | Item No.   | in   | mm  | Part No.  | Item No.   |
| BSP                                                           | 2½   | 65  | 9409.644S |            | 3    | 80  | 9410.664S |            |
|                                                               | 3    | 80  | 9045.135S | 9630035257 | 4    | 100 | 9046.136S | 9630047872 |
| BSPT                                                          | 2½   | 65  | 9409.647S |            | 3    | 80  | 9410.667S |            |
|                                                               | 3    | 80  | 9045.143S | 9630046612 | 4    | 100 | 9046.144S | 9630046608 |
| DIN11851                                                      | 2½   | 65  | 9409.651S | 9630091143 | 3    | 80  | 9410.671S | 9630091147 |
|                                                               | 3    | 80  | 9045.151S | 9630046584 | 4    | 100 | 9046.152S | 9630044841 |
| ISS/IDF                                                       | 2½   | 65  | 9409.645S | 9630091144 | 3    | 80  | 9410.665S | 9630091148 |
|                                                               | 3    | 80  | 9045.139S | 9630041749 | 4    | 100 | 9046.140S | 9630027225 |
| NPT                                                           | 2½   | 65  | 9409.646S |            | 3    | 80  | 9410.666S |            |
|                                                               | 3    | 80  | 9045.141S | 9630040625 | 4    | 100 | 9046.142S | 9630048066 |
| RDG                                                           | 2½   | 65  | 9409.653S |            | 3    | 80  | 9410.681S |            |
|                                                               | 3    | 80  | 9045.155S | 9630042941 | 4    | 100 | 9046.156S |            |
| RJT                                                           | 2½   | 65  | 9409.623S | 9630087648 | 3    | 80  | 9410.624S | 9630087649 |
|                                                               | 3    | 80  | 9045.137S | 9630037447 | 4    | 100 | 9046.138S | 9630039297 |
| SMS                                                           | 2½   | 65  | 9409.649S | 9630091145 | 3    | 80  | 9410.669S | 9630091149 |
|                                                               | 3    | 80  | 9045.147S | 9630039428 | 4    | 100 | 9046.148S | 9630039495 |
| SMS FS                                                        | 2½   | 65  | 9409.652S | 9630099542 | 3    | 80  | 9410.672S |            |
|                                                               | 3    | 80  | 9045.153S | 9630018870 | 4    | 100 | 9046.154S | 9630046777 |
| Tri-clamp (BS4825)                                            | 2½   | 65  | 9409.650S | 9630091146 | 3    | 80  | 9410.670S | 9630091150 |
|                                                               | 3    | 80  | 9045.149S | 9630034322 | 4    | 100 | 9046.150S | 9630043290 |
| ASA/ANSI 150RF                                                | 2½   | 65  | 9409.685S | 9630100771 | 3    | 80  | 9410.737S |            |
|                                                               | 3    | 80  | 9045.133S | 9630035993 | 4    | 100 | 9046.134S | 9630030124 |
| BS10E                                                         | 2½   | 65  | 9409.683S |            | 3    | 80  | 9410.735S |            |
|                                                               | 3    | 80  | 9045.129S | 9630052719 | 4    | 100 | 9046.130S | 9630046969 |
| BS4504/DIN2533                                                | 2½   | 65  | 9409.684S | 9630101062 | 3    | 80  | 9410.736S |            |
|                                                               | 3    | 80  | 9045.131S | 9630045737 | 4    | 100 | 9046.132S | 9630025556 |
| Port Standard                                                 | Size |     | SRU6/260  |            | Size |     | SRU6/353  |            |
|                                                               | in   | mm  | Part No.  | Item No.   | in   | mm  | Part No.  | Item No.   |
| BSP                                                           | 4    | 100 | 9411.032S |            | 4    | 100 | 9412.032S |            |
|                                                               |      |     |           |            | 6    | 150 | 9048.280S | 9630029405 |
| BSPT                                                          | 4    | 100 | 9411.064S |            | 4    | 100 | 9412.064S |            |
|                                                               |      |     |           |            | 6    | 150 | 9048.279S |            |
| DIN11851                                                      | 4    | 100 | 9411.096S | 9630091151 | 4    | 100 | 9412.096S | 9630091156 |
|                                                               |      |     |           |            | 6    | 150 | 9048.230S | 9630049407 |
| ISS/IDF                                                       | 4    | 100 | 9411.048S | 9630091152 | 4    | 100 | 9412.048S | 9630091157 |
|                                                               |      |     |           |            | 6    | 150 | -         | -          |
| NPT                                                           | 4    | 100 | 9411.056S |            | 4    | 100 | 9412.056S |            |
|                                                               |      |     |           |            | 6    | 150 | 9048.597S | 9630074167 |
| RDG                                                           | 4    | 100 | 9411.112S | 9630094924 | 4    | 100 | 9412.112S |            |
|                                                               |      |     |           |            | 6    | 150 | -         | -          |
| RJT                                                           | 4    | 100 | 9411.040S | 9630091153 | 4    | 100 | 9412.040S | 9630091158 |
|                                                               |      |     |           |            | 6    | 150 | 9048.222S | 9630046117 |
| SMS                                                           | 4    | 100 | 9411.080S | 9630091154 | 4    | 100 | 9412.080S | 9630091159 |
|                                                               |      |     |           |            | 6    | 150 | -         | -          |
| SMS FS                                                        | 4    | 100 | 9411.104S | 9630096216 | 4    | 100 | 9412.104S |            |
|                                                               |      |     |           |            | 6    | 150 | -         | -          |
| Tri-clamp (BS4825)                                            | 4    | 100 | 9411.088S | 9630091155 | 4    | 100 | 9412.088S | 9630091160 |
|                                                               |      |     |           |            | 6    | 150 | 9048.300S | 9630046203 |
| ASA/ANSI 150RF                                                | 4    | 100 | 9411.024S | 9630094539 | 4    | 100 | 9412.024S |            |
|                                                               |      |     |           |            | 6    | 150 | 9048.163S | 9630043089 |
| BS10E                                                         | 4    | 100 | 9411.008S |            | 4    | 100 | 9412.008S |            |
|                                                               |      |     |           |            | 6    | 150 | 9048.161S | 9630042448 |
| BS4504/DIN2533                                                | 4    | 100 | 9411.016S | 9630046608 | 4    | 100 | 9412.016S | 9630099663 |
|                                                               |      |     |           |            | 6    | 150 | 9048.162S | 9630043511 |

Note: See pages 31-33 for other rotorcase part numbers.



| Rotorcases - Hyclean Seal - SRU1 to SRU4 Pump Models |      |    |           |            |      |    |           |            |
|------------------------------------------------------|------|----|-----------|------------|------|----|-----------|------------|
| Port Standard                                        | Size |    | SRU1/005  |            | Size |    | SRU1/008  |            |
|                                                      | in   | mm | Part No.  | Item No.   | in   | mm | Part No.  | Item No.   |
| DIN11851                                             | 1    | 25 | 9285.090S | 9630054283 | 1    | 25 | 9414.090S | 9630091161 |
|                                                      |      |    |           |            | 1½   | 40 | 9286.091S | 9630058653 |
| ISS/IDF                                              | 1    | 25 | 9285.042S | 9630056767 | 1    | 25 | 9414.042S | 9630091162 |
|                                                      |      |    |           |            | 1½   | 40 | 9286.043S | 9630091166 |
| RJT                                                  | 1    | 25 | 9285.034S | 9630058406 | 1    | 25 | 9414.034S | 9630091163 |
|                                                      |      |    |           |            | 1½   | 40 | 9286.035S | 9630059916 |
| SMS                                                  | 1    | 25 | 9285.074S | 9630056102 | 1    | 25 | 9414.074S | 9630091164 |
|                                                      |      |    |           |            | 1½   | 40 | 9286.075S | 9630056103 |
| Tri-clamp (BS4825)                                   | 1    | 25 | 9285.082S | 9630050788 | 1    | 25 | 9414.082S | 9630091165 |
|                                                      |      |    |           |            | 1½   | 40 | 9286.083S | 9630053014 |
| Port Standard                                        | Size |    | SRU2/013  |            | Size |    | SRU2/018  |            |
|                                                      | in   | mm | Part No.  | Item No.   | in   | mm | Part No.  | Item No.   |
| DIN11851                                             | 1    | 25 | 9415.090S | 9630091167 | 1½   | 40 | 9212.276S | 9630065013 |
|                                                      | 1½   | 40 | 9211.091S | 9630048096 | 2    | 50 | 9212.092S | 9630053711 |
| ISS/IDF                                              | 1    | 25 | 9415.042S | 9630091168 | 1½   | 40 | 9212.318S | 9630091172 |
|                                                      | 1½   | 40 | 9211.043S | 9630052409 | 2    | 50 | 9212.044S | 9630049311 |
| RJT                                                  | 1    | 25 | 9415.034S | 9630091169 | 1½   | 40 | 9212.342S | 9630091173 |
|                                                      | 1½   | 40 | 9211.035S | 9630050887 | 2    | 50 | 9212.036S | 9630058407 |
| SMS                                                  | 1    | 25 | 9415.074S | 9630091170 | 1½   | 40 | 9212.253S | 9630051172 |
|                                                      | 1½   | 40 | 9211.075S | 9630025246 | 2    | 50 | 9212.076S | 9630025966 |
| Tri-clamp (BS4825)                                   | 1    | 25 | 9415.082S | 9630091171 | 1½   | 40 | 9212.274S | 9630060346 |
|                                                      | 1½   | 40 | 9211.083S | 9630049282 | 2    | 50 | 9212.084S | 9630049452 |
| Port Standard                                        | Size |    | SRU3/027  |            | Size |    | SRU3/038  |            |
|                                                      | in   | mm | Part No.  | Item No.   | in   | mm | Part No.  | Item No.   |
| DIN11851                                             | 1½   | 40 | 9213.276S | 9630091174 | 2    | 50 | 9214.235S | 9630059135 |
|                                                      | 2    | 50 | 9213.092S | 9630053607 | 2½   | 65 | 9214.094S | 9630064742 |
| ISS/IDF                                              | 1½   | 40 | 9213.318S | 9630091175 | 2    | 50 | 9214.233S | 9630051143 |
|                                                      | 2    | 50 | 9213.044S | 9630048390 | 2½   | 65 | 9214.046S | 9630048042 |
| RJT                                                  | 1½   | 40 | 9213.342S | 9630091176 | 2    | 50 | 9214.232S | 9630076542 |
|                                                      | 2    | 50 | 9213.036S | 9630058140 | 2½   | 65 | 9214.038S | 9630047015 |
| SMS                                                  | 1½   | 40 | 9213.253S | 9630059132 | 2    | 50 | 9214.234S | 9630054697 |
|                                                      | 2    | 50 | 9213.076S | 9630021034 | 2½   | 65 | 9214.078S | 9630047832 |
| Tri-clamp (BS4825)                                   | 1½   | 40 | 9213.274S | 9630064835 | 2    | 50 | 9214.271S | 9630059760 |
|                                                      | 2    | 50 | 9213.084S | 9630041053 | 2½   | 65 | 9214.086S | 9630049378 |
| Port Standard                                        | Size |    | SRU4/055  |            | Size |    | SRU4/079  |            |
|                                                      | in   | mm | Part No.  | Item No.   | in   | mm | Part No.  | Item No.   |
| DIN11851                                             | 2    | 50 | 9215.235S | 9630058038 | 2½   | 65 | 9420.651S | 9630091179 |
|                                                      | 2½   | 65 | 9215.094S | 9630056738 | 3    | 80 | 9216.151S | 9630051822 |
| ISS/IDF                                              | 2    | 50 | 9215.233S | 9630091178 | 2½   | 65 | 9420.645S | 9630091180 |
|                                                      | 2½   | 65 | 9215.046S | 9630050863 | 3    | 80 | 9216.139S | 9630050509 |
| RJT                                                  | 2    | 50 | 9215.232S | 9630020697 | 2½   | 65 | 9420.623S | 9630091184 |
|                                                      | 2½   | 65 | 9215.038S | 9630056284 | 3    | 80 | 9216.137S | 9630054907 |
| SMS                                                  | 2    | 50 | 9215.234S | 9630037077 | 2½   | 65 | 9420.649S | 9630091182 |
|                                                      | 2½   | 65 | 9215.078S | 9630047833 | 3    | 80 | 9216.147S | 9630047834 |
| Tri-clamp (BS4825)                                   | 2    | 50 | 9215.271S | 9630059224 | 2½   | 65 | 9420.650S | 9630091183 |
|                                                      | 2½   | 65 | 9215.086S | 9630049379 | 3    | 80 | 9216.149S | 9630059310 |

Note: See pages 31-33 for other rotorcase part numbers.

| Rotorcases - Hyclean Seal - SRU5 and SRU6 Pump Models |      |     |           |            |      |     |           |            |
|-------------------------------------------------------|------|-----|-----------|------------|------|-----|-----------|------------|
| Port Standard                                         | Size |     | SRU5/116  |            | Size |     | SRU5/168  |            |
|                                                       | in   | mm  | Part No.  | Item No.   | in   | mm  | Part No.  | Item No.   |
| DIN11851                                              | 2½   | 65  | 9421.651S | 9630091186 | 3    | 80  | 9422.671S | 9630091194 |
|                                                       | 3    | 80  | 9217.151S | 9630048336 | 4    | 100 | 9218.152S | 9630049898 |
| ISS/IDF                                               | 2½   | 65  | 9421.645S | 9630091187 | 3    | 80  | 9422.665S | 9630091195 |
|                                                       | 3    | 80  | 9217.139S | 9630050864 | 4    | 100 | 9218.140S | 9630091199 |
| RJT                                                   | 2½   | 65  | 9421.623S | 9630091188 | 3    | 80  | 9422.624S | 9630091196 |
|                                                       | 3    | 80  | 9217.137S | 9630057931 | 4    | 100 | 9218.138S | 9630049207 |
| SMS                                                   | 2½   | 65  | 9421.649S | 9630091189 | 3    | 80  | 9422.669S | 9630091197 |
|                                                       | 3    | 80  | 9217.147S | 9630047837 | 4    | 100 | 9218.148S | 9630047838 |
| Tri-clamp (BS4825)                                    | 2½   | 65  | 9421.650S | 9630091190 | 3    | 80  | 9422.670S | 9630091198 |
|                                                       | 3    | 80  | 9217.149S | 9630048868 | 4    | 100 | 9218.150S | 9630056995 |
| Port Standard                                         | Size |     | SRU6/260  |            | Size |     | SRU6/353  |            |
|                                                       | in   | mm  | Part No.  | Item No.   | in   | mm  | Part No.  | Item No.   |
| DIN11851                                              | 4    | 100 | 9423.096S | 9630091200 | 4    | 100 | 9424.096S | 9630091206 |
|                                                       |      |     |           |            | 6    | 150 | 9220.230S | 9630052121 |
| ISS/IDF                                               | 4    | 100 | 9423.048S | 9630091202 | 4    | 100 | 9424.048S | 9630091207 |
|                                                       |      |     |           |            | 6    | 150 | -         | -          |
| RJT                                                   | 4    | 100 | 9423.040S | 9630091203 | 4    | 100 | 9424.040S | 9630091208 |
|                                                       |      |     |           |            | 6    | 150 | 9220.222S | 9630059131 |
| SMS                                                   | 4    | 100 | 9423.080S | 9630091204 | 4    | 100 | 9424.080S | 9630091209 |
|                                                       |      |     |           |            | 6    | 150 | -         | -          |
| Tri-clamp (BS4825)                                    | 4    | 100 | 9423.088S | 9630091205 | 4    | 100 | 9424.088S | 9630091210 |
|                                                       |      |     |           |            | 6    | 150 | 9220.300S | 9630049316 |

Note: See pages 31-33 for other rotorcase part numbers.

## Rotorcases - Body Part Numbers

Due to the high number of combinations of rotorcase body and port standard the below tables show how to construct the complete rotorcase part number.

**Example:**

Rotorcase machined for R90 mechanical seal with 1" (25mm) BSP male connections for SRU1/005 pump.

Part number 9037.026S = 9 + 037 + 026 + S

where 9 = constant

037 = rotorcase body code

026 = rotorcase port code

S = constant (SRU)

**Example:**

(vertically ported flanged rotorcase SRU1-5 ONLY)

Rotorcase machined for R90 mechanical seal with 1" (25mm) ASA150RF connections for SRU1/005 pump.

Part no. 9037.018/324S = 9 + 037 + 018 + 324 + S

where 9 = constant

037 = rotorcase body code

018 = rotorcase top port code

324 = rotorcase bottom port code for bend

S = constant (SRU)

For bottom flanged bends and gaskets see page 33.

R90 = R90 and Packed Gland Seal

HYC = Hyclean Seal

HS = drilled for Heating Saddle

RECT = Rectangular Inlet

Port bore and code information is for internal use only

| Rotorcase Body | Port Bore Size (mm) | Connection Size (mm) | Code | R90 | R90 HS | R90 RECT | R90 RECT HS | HYC | HYC HS | HYC RECT | HYC RECT HS |
|----------------|---------------------|----------------------|------|-----|--------|----------|-------------|-----|--------|----------|-------------|
| SRU1/005 SAN   | 22.2                | 25                   | B    | 037 | 061    | 181      | 241         | 285 | 308    | 483      | 471         |
| SRU1/008 SAN   | 22.2                | 25                   | B    | 402 | 425    | 432      | 455         | 414 | 439    | 446      | 472         |
| ENL            | 26.0                | 40                   | C    | 038 | 062    | 191      | 242         | 286 | 309    | 454      | 463         |
| SRU2/013 SAN   | 22.2                | 25                   | B    | 403 | 426    | 433      | 456         | 415 | 440    | 447      | 473         |
| ENL            | 26.0                | 40                   | C    | 039 | 063    | 182      | 243         | 211 | 231    | 221      | 464         |
| SRU2/018 SAN   | 34.9                | 40                   | D    | 016 | 052    | -        | -           | -   | -      | -        | -           |
| ENL            | 34.9                | 50                   | E    | 040 | 064    | 192      | 244         | 212 | 232    | 222      | 474         |
| SRU3/027 SAN   | 34.9                | 40                   | D    | 017 | 053    | -        | -           | -   | -      | -        | -           |
| ENL            | 34.9                | 50                   | E    | 041 | 065    | 183      | 245         | 213 | 233    | 223      | 475         |
| SRU3/038 SAN   | 47.6                | 50                   | G    | 016 | 054    | -        | -           | -   | -      | -        | -           |
| ENL            | 47.6                | 65                   | H    | 042 | 066    | 193      | 246         | 214 | 234    | 224      | 476         |
| SRU4/055 SAN   | 47.6                | 50                   | G    | 019 | 055    | -        | -           | -   | -      | -        | -           |
| ENL            | 47.6                | 65                   | H    | 043 | 067    | 184      | 247         | 215 | 235    | 225      | 477         |
| SRU4/079 SAN   | 60.3                | 65                   | I    | 408 | 427    | 434      | 457         | 420 | 441    | 448      | 478         |
| ENL            | 63.0                | 80                   | K    | 044 | 068    | 194      | 248         | 216 | 236    | 226      | 465         |
| SRU5/116 SAN   | 60.3                | 65                   | I    | 409 | 428    | 435      | 458         | 421 | 442    | 449      | 479         |
| ENL            | 63.0                | 80                   | K    | 045 | 069    | 185      | 249         | 217 | 237    | 227      | 466         |
| SRU5/168 SAN   | 73.0                | 80                   | M    | 410 | 429    | 436      | 459         | 422 | 443    | 450      | 480         |
| ENL            | 78.0                | 100                  | O    | 046 | 070    | 195      | 250         | 218 | 238    | 228      | 467         |
| SRU6/260 SAN   | 97.6                | 100                  | P    | 411 | 430    | 437      | 460         | 423 | 444    | 451      | 481         |
| SRU6/353 SAN   | 97.6                | 100                  | P    | 412 | 431    | 438      | 461         | 424 | 445    | 452      | 482         |
| ENL            | 120.0               | 150                  | Q    | 048 | 072    | 196      | 252         | 220 | 462    | 230      | 468         |

| Rotorcases - Port Part Numbers |              |       |      |           |           |              |                        |                    |                      |                         |               |
|--------------------------------|--------------|-------|------|-----------|-----------|--------------|------------------------|--------------------|----------------------|-------------------------|---------------|
| Rotorcase Port                 | Port Bore    |       |      | BSP       | BSPT      | NPT          | IDF                    | RJT                | ILC                  | 3A<br>ACME              | RDG           |
|                                | Size<br>(mm) | Bore  | Code |           |           |              |                        |                    |                      |                         |               |
| 005                            | 25           | 13.5  | A    | 025       | 057       | 049          | 041                    | 033                | 113                  | 065                     | 105           |
| 005/008/013                    | 25           | 22.2  | B    | 026       | 058       | 050          | 042                    | 034                | 114                  | 066                     | 106           |
| 008/013/018/027                | 40           | 26.0  | C    | 027       | 059       | 051          | 043                    | 035                | 115                  | 067                     | 107           |
| 018/027                        | 40           | 34.9  | D    | 252       | 696       | 695          | 318                    | 342                | 700                  | 697                     | 699           |
| 018/027/055                    | 50           | 34.9  | E    | 028       | 060       | 052          | 044                    | 036                | 116                  | 068                     | 108           |
| 038                            | 50           | 38.0  | F    | 029       | 061       | 053          | 045                    | 037                | 117                  | 069                     | 109           |
| 038/055                        | 50           | 47.6  | G    | 231       | 283       | 707          | 233                    | 232                | 710                  | 708                     | 383           |
| 038/055/079/116                | 65           | 47.6  | H    | 030       | 062       | 054          | 046                    | 038                | 118                  | 070                     | 110           |
| 079/116                        | 65           | 60.3  | I    | 644       | 647       | 646          | 645                    | 623                | 654                  | 648                     | 653           |
| 079/116                        | 65           | 63.0  | J    | -         | -         | -            | 376                    | 377                | -                    | -                       | -             |
| 079/116                        | 80           | 63.0  | K    | 135       | 143       | 141          | 139                    | 137                | 157                  | 145                     | 155           |
| 168                            | 80           | 70.0  | L    | 031       | 063       | 055          | 047                    | 039                | 119                  | 071                     | 111           |
| 168                            | 80           | 73.0  | M    | 664       | 667       | 666          | 665                    | 624                | 673                  | 668                     | 681           |
| 168                            | 100          | 78.0  | O    | 136       | 144       | 142          | 140                    | 138                | 158                  | 146                     | 156           |
| 260/353                        | 100          | 97.6  | P    | 032       | 064       | 056          | 048                    | 040                | 120                  | 072                     | 112           |
| 353                            | 150          | 120.0 | Q    | 280       | 279       | 597          | -                      | -                  | -                    | -                       | -             |
| Rotorcase Port                 | Port Bore    |       |      | SMS       | SMS<br>FS | DIN<br>11851 | Tri<br>Clamp<br>BS4825 | I<br>LINE          | SRJT                 | Thread<br>Bevel<br>Seat | DS            |
|                                | Size<br>(mm) | Bore  | Code |           |           |              |                        |                    |                      |                         |               |
| 005                            | 25           | 13.5  | A    | 073       | 097       | 089          | 081                    | 121                | 564                  | 242                     | 286           |
| 005/008/013                    | 25           | 22.2  | B    | 074       | 098       | 090          | 082                    | 122                | 565                  | 243                     | 287           |
| 008/013/018/027                | 40           | 26.0  | C    | 075       | 099       | 091          | 083                    | 123                | 566                  | 244                     | 288           |
| 018/027                        | 40           | 34.9  | D    | 253       | 698       | 276          | 274                    | 701                | 567                  | 420                     | 289           |
| 018/027/055                    | 50           | 34.9  | E    | 076       | 100       | 092          | 084                    | 124                | 568                  | 245                     | 290           |
| 038                            | 50           | 38.0  | F    | 077       | 101       | 093          | 085                    | 125                | 569                  | 246                     | 291           |
| 038/055                        | 50           | 47.6  | G    | 234       | 709       | 235          | 271                    | 711                | 570                  | 421                     | 292           |
| 038/055/079/116                | 65           | 47.6  | H    | 078       | 102       | 094          | 086                    | 126                | 508                  | 247                     | 293           |
| 079/116                        | 65           | 60.3  | I    | 649       | 652       | 651          | 650                    | 655                | 662                  | 657                     | 659           |
| 079/116                        | 65           | 63.0  | J    | 450       | -         | 428          | 323                    | -                  | -                    | 456                     | 384           |
| 079/116                        | 80           | 63.0  | K    | 147       | 153       | 151          | 149                    | 159                | 509                  | 250                     | 294           |
| 168                            | 80           | 70.0  | L    | 079       | 103       | 095          | 087                    | 127                | 571                  | 248                     | 295           |
| 168                            | 80           | 73.0  | M    | 669       | 672       | 671          | 670                    | 674                | 738                  | 676                     | 678           |
| 168                            | 100          | 78.0  | O    | 148       | 154       | 152          | 150                    | 160                | 573                  | 251                     | 296           |
| 260/353                        | 100          | 97.6  | P    | 080       | 104       | 096          | 088                    | 128                | 572                  | 249                     | 297           |
| 353                            | 150          | 120.0 | Q    | -         | -         | 230          | 300                    | -                  | 222                  | -                       | -             |
| Rotorcase Port                 | Port Bore    |       |      | BS10<br>E | BS10<br>F | ASA<br>150RF | ASA<br>300RF           | BS<br>4504<br>PN16 | JIS<br>B2212/<br>10F | ASA<br>150FF            | SMS<br>Sodime |
|                                | Size<br>(mm) | Bore  | Code |           |           |              |                        |                    |                      |                         |               |
| 005                            | 25           | 13.5  | A    | 001       | 168       | 017          | 197                    | 009                | 179                  | 211                     | 396           |
| 005/008/013                    | 25           | 22.2  | B    | 002       | 169       | 018          | 198                    | 010                | 180                  | 212                     | 397           |
| 008/013/018/027                | 40           | 26.0  | C    | 003       | 170       | 019          | 199                    | 011                | 181                  | 213                     | 398           |
| 018/027                        | 40           | 34.9  | D    | 694       | 702       | 360          | 704                    | 416                | 703                  | 705                     | 399           |
| 018/027/055                    | 50           | 34.9  | E    | 004       | 171       | 020          | 200                    | 012                | 182                  | 214                     | 400           |
| 038                            | 50           | 38.0  | F    | 005       | 172       | 021          | 201                    | 013                | 183                  | 215                     | 401           |
| 038/055                        | 50           | 47.6  | G    | 706       | 712       | 272          | 714                    | 327                | 713                  | 715                     | 402           |
| 038/055/079/116                | 65           | 47.6  | H    | 006       | 173       | 022          | 202                    | 014                | 184                  | 216                     | 403           |
| 079/116                        | 65           | 60.3  | I    | 683       | 686       | 685          | 688                    | 684                | 687                  | 689                     | 661           |
| 079/116                        | 65           | 63.0  | J    | -         | -         | -            | -                      | -                  | -                    | -                       | -             |
| 079/116                        | 80           | 63.0  | K    | 129       | 176       | 133          | 203                    | 131                | 186                  | 217                     | 406           |
| 168                            | 80           | 70.0  | L    | 007       | 174       | 023          | 204                    | 015                | 185                  | 218                     | 404           |
| 168                            | 80           | 73.0  | M    | 735       | -         | 737          | -                      | 736                | -                    | -                       | 680           |
| 168                            | 100          | 78.0  | O    | 130       | 177       | 134          | 205                    | 132                | 188                  | 219                     | 407           |
| 260/353                        | 100          | 97.6  | P    | 008       | 175       | 024          | 206                    | 016                | 187                  | 220                     | 405           |
| 353                            | 150          | 120.0 | Q    | 161       | 178       | 163          | 207                    | 162                | 189                  | 221                     | -             |

| Rotorcases - Port Part Numbers (continued)         |           |       |      |           |             |          |       |           |                                             |
|----------------------------------------------------|-----------|-------|------|-----------|-------------|----------|-------|-----------|---------------------------------------------|
| Rotorcase Port                                     | Port Bore |       |      | BS        | DIN         | DIN      | DIN   | DIN       | Rotorcase bottom port code for flanged bend |
|                                                    | Size (mm) | Bore  | Code | 4504 PN25 | 2576 4504FF | 2573     | 32676 | 11864-1A  |                                             |
| 005                                                | 25        | 13.5  | A    | 584       | 467         | 489      | -     | -         | -                                           |
| 005/008/013                                        | 25        | 22.2  | B    | 585       | 468         | 490      | -     | 775       | 324                                         |
| 008/013/018/027                                    | 40        | 26.0  | C    | 586       | 487         | 491      | -     | 605       | 257                                         |
| 018/027                                            | 40        | 34.9  | D    | -         | -           | -        | -     | 776       | -                                           |
| 018/027/055                                        | 50        | 34.9  | E    | 587       | 463         | 492      | -     | 606       | 258                                         |
| 038                                                | 50        | 38.0  | F    | 588       | 469         | 493      | -     | -         | -                                           |
| 038/055                                            | 50        | 47.6  | G    | 589       | -           | -        | -     | 774       | 273                                         |
| 038/055/079/116                                    | 65        | 47.6  | H    | 563       | 470         | 488      | 503   | 777       | 259                                         |
| 079/116                                            | 65        | 60.3  | I    | 690       | 691         | 692      | 693   | 663       | -                                           |
| 079/116                                            | 65        | 63.0  | J    | -         | -           | 498      | 504   | -         | -                                           |
| 079/116                                            | 80        | 63.0  | K    | 593       | 473         | 496      | 499   | 778       | 260                                         |
| 168                                                | 80        | 70.0  | L    | 590       | 471         | 494      | 505   | 607       | -                                           |
| 168                                                | 80        | 73.0  | M    | -         | -           | -        | -     | 682       | -                                           |
| 168                                                | 100       | 78.0  | O    | 594       | 486         | 497      | -     | 780       | 261                                         |
| 260/353                                            | 100       | 97.6  | P    | 591       | 472         | 495      | -     | 781       | -                                           |
| 353                                                | 150       | 120.0 | Q    | 595       | -           | -        | -     | -         | -                                           |
| Flanged Bends (for SRU1-5 vertically ported pumps) |           |       |      |           |             |          |       |           |                                             |
| Rotorcase Port                                     | Port Bore |       |      | BS10      |             | ASA      |       | BS        | PTFE Gasket                                 |
|                                                    | Size (mm) | Bore  | Code | E         |             | 150RF    |       | 4504 PN16 |                                             |
| 005                                                | 25        | 22.2  | B    | 5000.454  |             | 5000.453 |       | 5000.455  | 5198.188                                    |
| 008/013                                            | 40        | 26.0  | C    | 5000.408  |             | 5000.398 |       | 5000.413  | 5198.170                                    |
| 018/027                                            | 40        | 34.9  | D    | -         |             | -        |       | -         | -                                           |
| 018/027                                            | 50        | 34.9  | E    | 5000.409  |             | 5000.399 |       | 5000.414  | 5198.171                                    |
| 038/055                                            | 50        | 47.6  | G    | 5000.409  |             | 5000.399 |       | 5000.414  | 5198.171                                    |
| 038/055                                            | 65        | 47.6  | H    | 5000.410  |             | 5000.400 |       | 5000.415  | 5198.172                                    |
| 079/116                                            | 80        | 63.0  | K    | 5000.411  |             | 5000.401 |       | 5000.416  | 5198.173                                    |
| 168                                                | 100       | 78.0  | O    | 5000.412  |             | 5000.402 |       | 5000.417  | 5198.174                                    |

## Rectangular to Round Adaptors

The table below shows how to construct the part number for rectangular to round adaptors.

*Example:*

*Rectangular to Round Adaptor with 4" (100mm) SMS connection for SRU4/079 pump.*

*Part number 5001.359.080 = 5001.359 + 080*

*where 5001.359 = rectangular adaptor code*

*080 = adaptor port code (see page 32-33)*

| Rotorcase | Port Bore |       |      | Rectangular Adaptor code |
|-----------|-----------|-------|------|--------------------------|
|           | Size (mm) | Bore  | Code |                          |
| SRU1/005  | 40        | 26.0  | C    | 5001.435                 |
| SRU1/008  | 50        | 38.0  | F    | 5001.236                 |
| SRU2/013  | 50        | 38.0  | F    | 5001.275                 |
| SRU2/018  | 80        | 70.0  | L    | 5001.237                 |
| SRU3/027  | 80        | 70.0  | L    | 5001.281                 |
| SRU3/038  | 80        | 70.0  | L    | 5001.238                 |
| SRU4/055  | 100       | 97.6  | P    | 5001.316                 |
| SRU4/079  | 100       | 97.6  | P    | 5001.359                 |
| SRU5/116  | 100       | 97.6  | P    | 5001.367                 |
| SRU5/168  | 150       | 120.0 | Q    | 5001.240                 |
| SRU6/260  | 150       | 120.0 | Q    |                          |
| SRU6/353  | 150       | 120.0 | Q    | 5001.241                 |

| Rotorcase | Fixing Stud<br>(4 per adaptor) |            | Nut, Fixing Stud<br>(4 per adaptor) |            |
|-----------|--------------------------------|------------|-------------------------------------|------------|
|           | Part No.                       | Item No.   | Part No.                            | Item No.   |
| SRU1      | 6350.019                       | 9630023949 | 5330.007                            | 9630024061 |
| SRU2      | 6350.018                       | 9630035187 | 5330.007                            | 9630024061 |
| SRU3      | 6350.093                       | 9630031415 | 5330.003                            | 9630024057 |
| SRU4      | 6350.093                       | 9630031415 | 5330.003                            | 9630024057 |
| SRU5      | 6350.104                       | 9630019863 | 5330.000                            | 9630024051 |
| SRU6      | 5990.038                       | 9630027137 | -                                   | -          |

| Rotorcase | 'O' Ring, FPM<br>(1 per adaptor) |            |
|-----------|----------------------------------|------------|
|           | Part No.                         | Item No.   |
| SRU1/005  | 1551.033                         | 9630075998 |
| SRU1/008  | 1551.034                         | 9630063230 |
| SRU2/013  | 1551.035                         | 9630087703 |
| SRU2/018  | 1551.143                         | 9630046200 |
| SRU3/027  | 1551.151                         | 9630077949 |
| SRU3/038  | 1551.152                         | 9630038937 |
| SRU4/055  | 5380.403                         | 9630043060 |
| SRU4/079  | 5380.161                         | 9630024291 |
| SRU5/116  | 5380.292                         | 9630031929 |
| SRU5/168  | 1551.249                         | 9630023462 |
| SRU6/260  | 1551.259                         | 9630040020 |
| SRU6/353  | 1551.262                         | 9630865829 |

### Cover/Spline Sealing Kits - SRU Pump Models

Each kit comprises of Rotorcase Cover 'O' Ring and Rotor 'O' Rings for one pump.

Kits for Relief Valve Covers also include Valve Piston 'O' Ring.

| Cover Type           | 'O' Rings | SRU1     |            | SRU2     |            |
|----------------------|-----------|----------|------------|----------|------------|
|                      |           | Part No. | Item No.   | Part No. | Item No.   |
| Plain - st.stl rotor | NBR       | KU1BB    | 9630099423 | KU2BB    | 9630099431 |
|                      | EPDM      | KU1CC    | 9630099424 | KU2CC    | 9630099432 |
|                      | FPM       | KU1DD    | 9630099425 | KU2DD    | 9630099433 |
|                      | PTFE      | KU1EE    | 9630099426 | KU2EE    | 9630099434 |
| Plain - rubber rotor | NBR       | -        | -          | KU2GB    | 9630099439 |
| Relief Valve         | NBR       | KU1BG    | 9630099427 | KU2BG    | 9630099435 |
|                      | EPDM      | KU1CH    | 9630099428 | KU2CH    | 9630099436 |
|                      | FPM       | KU1DJ    | 9630099429 | KU2DJ    | 9630099437 |
|                      | PTFE      | KU1EK    | 9630099430 | KU2EK    | 9630099438 |
|                      |           |          |            |          |            |
| Cover Type           | 'O' Rings | SRU3     |            | SRU4     |            |
|                      |           | Part No. | Item No.   | Part No. | Item No.   |
| Plain - st.stl rotor | NBR       | KU3BB    | 9630099440 | KU4BB    | 9630099449 |
|                      | EPDM      | KU3CC    | 9630099441 | KU4CC    | 9630099450 |
|                      | FPM       | KU3DD    | 9630099442 | KU4DD    | 9630099451 |
|                      | PTFE      | KU3EE    | 9630099443 | KU4EE    | 9630099452 |
| Plain - rubber rotor | NBR       | KU3GB    | 9630099448 | KU4GB    | 9630099457 |
| Relief Valve         | NBR       | KU3BG    | 9630099444 | KU4BG    | 9630099453 |
|                      | EPDM      | KU3CH    | 9630099445 | KU4CH    | 9630099454 |
|                      | FPM       | KU3DJ    | 9630099446 | KU4DJ    | 9630099455 |
|                      | PTFE      | KU3EK    | 9630099447 | KU4EK    | 9630099456 |
|                      |           |          |            |          |            |
| Cover Type           | 'O' Rings | SRU5     |            | SRU6     |            |
|                      |           | Part No. | Item No.   | Part No. | Item No.   |
| Plain - st.stl rotor | NBR       | KU5BB    | 9630099458 | KU6BB    | 9630099467 |
|                      | EPDM      | KU5CC    | 9630099459 | KU6CC    | 9630099468 |
|                      | FPM       | KU5DD    | 9630099460 | KU6DD    | 9630099469 |
|                      | PTFE      | KU5EE    | 9630099461 | KU6EE    | 9630099470 |
| Plain - rubber rotor | NBR       | KU5GB    | 9630099466 | KU6GB    | 9630099475 |
| Relief Valve         | NBR       | KU5BG    | 9630099462 | KU6BG    | 9630099471 |
|                      | EPDM      | KU5CH    | 9630099463 | KU6CH    | 9630099472 |
|                      | FPM       | KU5DJ    | 9630099464 | KU6DJ    | 9630099473 |
|                      | PTFE      | KU5EK    | 9630099465 | KU6EK    | 9630099474 |

| Service Kits (R90 Single Mechanical Seals) - SRU Pump Models                                           |           |           |            |           |            |
|--------------------------------------------------------------------------------------------------------|-----------|-----------|------------|-----------|------------|
| Each kit comprises of 1 off Cover/Spline Sealing Kit and 2 off complete Mechanical Seals for one pump. |           |           |            |           |            |
| Rotary Seal /<br>Stationary Seal Ring                                                                  | 'O' Rings | SRU1      |            | SRU2      |            |
|                                                                                                        |           | Part No.  | Item No.   | Part No.  | Item No.   |
| Stainless Steel /<br>Inserted Carbon                                                                   | NBR       | KU1BB-C10 | 9630856380 | KU2BB-C10 | 9630856404 |
|                                                                                                        | EPDM      | KU1CC-C11 | 9630856381 | KU2CC-C11 | 9630856405 |
|                                                                                                        | FPM       | KU1DD-C12 | 9630856382 | KU2DD-C12 | 9630856406 |
| Tungsten Carbide /<br>Inserted Carbon                                                                  | NBR       | KU1BB-C20 | 9630856383 | KU2BB-C20 | 9630856407 |
|                                                                                                        | EPDM      | KU1CC-C21 | 9630856384 | KU2CC-C21 | 9630856408 |
|                                                                                                        | FPM       | KU1DD-C22 | 9630856385 | KU2DD-C22 | 9630856409 |
| Tungsten Carbide /<br>Tungsten Carbide                                                                 | NBR       | KU1BB-C40 | 9630856389 | KU2BB-C40 | 9630856413 |
|                                                                                                        | EPDM      | KU1CC-C41 | 9630856390 | KU2CC-C41 | 9630856414 |
|                                                                                                        | FPM       | KU1DD-C42 | 9630856391 | KU2DD-C42 | 9630856415 |
| Silicon Carbide /<br>Inserted Carbon                                                                   | NBR       | KU1BB-C30 | 9630856386 | KU2BB-C30 | 9630856410 |
|                                                                                                        | EPDM      | KU1CC-C31 | 9630856387 | KU2CC-C31 | 9630856411 |
|                                                                                                        | FPM       | KU1DD-C32 | 9630856388 | KU2DD-C32 | 9630856412 |
| Silicon Carbide /<br>Silicon Carbide                                                                   | NBR       | KU1BB-C50 | 9630856392 | KU2BB-C50 | 9630856416 |
|                                                                                                        | EPDM      | KU1CC-C51 | 9630856393 | KU2CC-C51 | 9630856417 |
|                                                                                                        | FPM       | KU1DD-C52 | 9630856394 | KU2DD-C52 | 9630856418 |
| Rotary Seal /<br>Stationary Seal Ring                                                                  | 'O' Rings | SRU3      |            | SRU4      |            |
|                                                                                                        |           | Part No.  | Item No.   | Part No.  | Item No.   |
| Stainless Steel /<br>Inserted Carbon                                                                   | NBR       | KU3BB-C10 | 9630856428 | KU4BB-C10 | 9630856452 |
|                                                                                                        | EPDM      | KU3CC-C11 | 9630856429 | KU4CC-C11 | 9630856453 |
|                                                                                                        | FPM       | KU3DD-C12 | 9630856430 | KU4DD-C12 | 9630856454 |
| Tungsten Carbide /<br>Inserted Carbon                                                                  | NBR       | KU3BB-C20 | 9630856431 | KU4BB-C20 | 9630856455 |
|                                                                                                        | EPDM      | KU3CC-C21 | 9630856432 | KU4CC-C21 | 9630856456 |
|                                                                                                        | FPM       | KU3DD-C22 | 9630856433 | KU4DD-C22 | 9630856457 |
| Tungsten Carbide /<br>Tungsten Carbide                                                                 | NBR       | KU3BB-C40 | 9630856437 | KU4BB-C40 | 9630856461 |
|                                                                                                        | EPDM      | KU3CC-C41 | 9630856438 | KU4CC-C41 | 9630856462 |
|                                                                                                        | FPM       | KU3DD-C42 | 9630856439 | KU4DD-C42 | 9630856463 |
| Silicon Carbide /<br>Inserted Carbon                                                                   | NBR       | KU3BB-C30 | 9630856434 | KU4BB-C30 | 9630856458 |
|                                                                                                        | EPDM      | KU3CC-C31 | 9630856435 | KU4CC-C31 | 9630856459 |
|                                                                                                        | FPM       | KU3DD-C32 | 9630856436 | KU4DD-C32 | 9630856460 |
| Silicon Carbide /<br>Silicon Carbide                                                                   | NBR       | KU3BB-C50 | 9630856440 | KU4BB-C50 | 9630856464 |
|                                                                                                        | EPDM      | KU3CC-C51 | 9630856441 | KU4CC-C51 | 9630856465 |
|                                                                                                        | FPM       | KU3DD-C52 | 9630856442 | KU4DD-C52 | 9630856466 |
| Rotary Seal /<br>Stationary Seal Ring                                                                  | 'O' Rings | SRU5      |            | SRU6      |            |
|                                                                                                        |           | Part No.  | Item No.   | Part No.  | Item No.   |
| Stainless Steel /<br>Inserted Carbon                                                                   | NBR       | KU5BB-C10 | 9630856476 | KU6BB-C10 | 9630856500 |
|                                                                                                        | EPDM      | KU5CC-C11 | 9630856477 | KU6CC-C11 | 9630856501 |
|                                                                                                        | FPM       | KU5DD-C12 | 9630856478 | KU6DD-C12 | 9630856502 |
| Tungsten Carbide /<br>Inserted Carbon                                                                  | NBR       | KU5BB-C20 | 9630856479 | KU6BB-C20 | 9630856503 |
|                                                                                                        | EPDM      | KU5CC-C21 | 9630856480 | KU6CC-C21 | 9630856504 |
|                                                                                                        | FPM       | KU5DD-C22 | 9630856481 | KU6DD-C22 | 9630856505 |
| Tungsten Carbide /<br>Tungsten Carbide                                                                 | NBR       | KU5BB-C40 | 9630856485 | KU6BB-C40 | 9630856509 |
|                                                                                                        | EPDM      | KU5CC-C41 | 9630856486 | KU6CC-C41 | 9630856510 |
|                                                                                                        | FPM       | KU5DD-C42 | 9630856487 | KU6DD-C42 | 9630856511 |
| Silicon Carbide /<br>Inserted Carbon                                                                   | NBR       | KU5BB-C30 | 9630856482 | KU6BB-C30 | 9630856506 |
|                                                                                                        | EPDM      | KU5CC-C31 | 9630856483 | KU6CC-C31 | 9630856507 |
|                                                                                                        | FPM       | KU5DD-C32 | 9630856484 | KU6DD-C32 | 9630856508 |
| Silicon Carbide /<br>Silicon Carbide                                                                   | NBR       | KU5BB-C50 | 9630856488 | KU6BB-C50 | 9630856512 |
|                                                                                                        | EPDM      | KU5CC-C51 | 9630856489 | KU6CC-C51 | 9630856513 |
|                                                                                                        | FPM       | KU5DD-C52 | 9630856490 | KU6DD-C52 | 9630856514 |



| Service Kits (Hyclean Single Mechanical Seals) - SRU Pump Models                                       |           |           |            |           |            |
|--------------------------------------------------------------------------------------------------------|-----------|-----------|------------|-----------|------------|
| Each kit comprises of 1 off Cover/Spline Sealing Kit and 2 off complete Mechanical Seals for one pump. |           |           |            |           |            |
| Rotary Seal /<br>Stationary Seal Ring                                                                  | 'O' Rings | SRU1      |            | SRU2      |            |
|                                                                                                        |           | Part No.  | Item No.   | Part No.  | Item No.   |
| Stainless Steel /<br>Carbon                                                                            | NBR       | KU1BB-H01 | 9630856395 | KU2BB-H01 | 9630856419 |
|                                                                                                        | EPDM      | KU1CC-H05 | 9630856396 | KU2CC-H05 | 9630856420 |
|                                                                                                        | FPM       | KU1DD-H02 | 9630856397 | KU2DD-H02 | 9630856421 |
| Silicon Carbide /<br>Carbon                                                                            | NBR       | KU1BB-H11 | 9630856398 | KU2BB-H11 | 9630856422 |
|                                                                                                        | EPDM      | KU1CC-H15 | 9630856399 | KU2CC-H15 | 9630856423 |
|                                                                                                        | FPM       | KU1DD-H12 | 9630856400 | KU2DD-H12 | 9630856424 |
| Silicon Carbide /<br>Silicon Carbide                                                                   | NBR       | KU1BB-H21 | 9630856401 | KU2BB-H21 | 9630856425 |
|                                                                                                        | EPDM      | KU1CC-H25 | 9630856402 | KU2CC-H25 | 9630856426 |
|                                                                                                        | FPM       | KU1DD-H22 | 9630856403 | KU2DD-H22 | 9630856427 |
| Rotary Seal /<br>Stationary Seal Ring                                                                  | 'O' Rings | SRU3      |            | SRU4      |            |
|                                                                                                        |           | Part No.  | Item No.   | Part No.  | Item No.   |
| Stainless Steel /<br>Carbon                                                                            | NBR       | KU3BB-H01 | 9630856443 | KU4BB-H01 | 9630856467 |
|                                                                                                        | EPDM      | KU3CC-H05 | 9630856444 | KU4CC-H05 | 9630856468 |
|                                                                                                        | FPM       | KU3DD-H02 | 9630856445 | KU4DD-H02 | 9630856469 |
| Silicon Carbide /<br>Carbon                                                                            | NBR       | KU3BB-H11 | 9630856446 | KU4BB-H11 | 9630856470 |
|                                                                                                        | EPDM      | KU3CC-H15 | 9630856447 | KU4CC-H15 | 9630856471 |
|                                                                                                        | FPM       | KU3DD-H12 | 9630856448 | KU4DD-H12 | 9630856472 |
| Silicon Carbide /<br>Silicon Carbide                                                                   | NBR       | KU3BB-H21 | 9630856449 | KU4BB-H21 | 9630856473 |
|                                                                                                        | EPDM      | KU3CC-H25 | 9630856450 | KU4CC-H25 | 9630856474 |
|                                                                                                        | FPM       | KU3DD-H22 | 9630856451 | KU4DD-H22 | 9630856475 |
| Rotary Seal /<br>Stationary Seal Ring                                                                  | 'O' Rings | SRU5      |            | SRU6      |            |
|                                                                                                        |           | Part No.  | Item No.   | Part No.  | Item No.   |
| Stainless Steel /<br>Carbon                                                                            | NBR       | KU5BB-H01 | 9630856491 | KU6BB-H01 | 9630856515 |
|                                                                                                        | EPDM      | KU5CC-H05 | 9630856492 | KU6CC-H05 | 9630856516 |
|                                                                                                        | FPM       | KU5DD-H02 | 9630856493 | KU6DD-H02 | 9630856517 |
| Silicon Carbide /<br>Carbon                                                                            | NBR       | KU5BB-H11 | 9630856494 | KU6BB-H11 | 9630856518 |
|                                                                                                        | EPDM      | KU5CC-H15 | 9630856495 | KU6CC-H15 | 9630856519 |
|                                                                                                        | FPM       | KU5DD-H12 | 9630856496 | KU6DD-H12 | 9630856520 |
| Silicon Carbide /<br>Silicon Carbide                                                                   | NBR       | KU5BB-H21 | 9630856497 | KU6BB-H21 | 9630856521 |
|                                                                                                        | EPDM      | KU5CC-H25 | 9630856498 | KU6CC-H25 | 9630856522 |
|                                                                                                        | FPM       | KU5DD-H22 | 9630856499 | KU6DD-H22 | 9630856523 |



### R90 Single Mechanical Seals (Complete) - SRU1 and SRU2 Pump Models

2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement

| Rotary Seal /<br>Stationary Seal Ring                                                |          | 'O' Rings | SRU1       |            | SRU2      |            |
|--------------------------------------------------------------------------------------|----------|-----------|------------|------------|-----------|------------|
|                                                                                      |          |           | Part No.   | Item No.   | Part No.  | Item No.   |
| Stainless Steel /<br>Carbon                                                          |          | NBR       | 7400.101N  | 9630032046 | 7400.102N | 9630033227 |
|                                                                                      |          | EPDM      | 7400.101E  | 9630026348 | 7400.102E | 9630033228 |
|                                                                                      |          | FPM       | 7400.101V  | 9630032577 | 7400.102V | 9630032841 |
|                                                                                      |          | PTFE      | 7400.101P  | 9630033226 | 7400.102P | 9630033229 |
| Stainless Steel /<br>Inserted Carbon                                                 |          | NBR       | 7400.141N  | 9630032044 | 7400.142N | 9630033248 |
|                                                                                      |          | EPDM      | 7400.141E  | 9630033246 | 7400.142E | 9630033250 |
|                                                                                      |          | FPM       | 7400.141V  | 9630033245 | 7400.142V | 9630033249 |
|                                                                                      |          | PTFE      | 7400.141P  | 9630033247 | 7400.142P | 9630033251 |
| Tungsten Carbide /<br>Inserted Carbon                                                |          | NBR       | 7400.161N  | 9630032048 | 7400.162N | 9630033268 |
|                                                                                      |          | EPDM      | 7400.161E  | 9630033274 | 7400.162E | 9630033277 |
|                                                                                      |          | FPM       | 7400.161V  | 9630033273 | 7400.162V | 9630033276 |
|                                                                                      |          | PTFE      | 7400.161P  | 9630033275 | 7400.162P | 9630033278 |
| Tungsten Carbide /<br>Tungsten Carbide                                               |          | NBR       | 7400.171N  | 9630032049 | 7400.172N | 9630032473 |
|                                                                                      |          | EPDM      | 7400.171E  | 9630033296 | 7400.172E | 9630033299 |
|                                                                                      |          | FPM       | 7400.171V  | 9630033295 | 7400.172V | 9630033298 |
|                                                                                      |          | PTFE      | 7400.171P  | 9630033297 | 7400.172P | 9630033300 |
| Silicon Carbide /<br>Inserted Carbon                                                 |          | NBR       | 7400.191N  | 9630090695 | 7400.192N | 9630090697 |
|                                                                                      |          | EPDM      | 7400.191E  | 9630090694 | 7400.192E | 9630090696 |
|                                                                                      |          | FPM       | 7400.191V  | 9630069887 | 7400.192V | 9630024870 |
|                                                                                      |          | PTFE      | 7400.191P  | 9630071429 | 7400.192P | 9630090698 |
| Silicon Carbide /<br>Silicon Carbide                                                 |          | NBR       | 7400.201N  | 9630032051 | 7400.202N | 9630022584 |
|                                                                                      |          | EPDM      | 7400.201E  | 9630056727 | 7400.202E | 9630060647 |
|                                                                                      |          | FPM       | 7400.201V  | 9630035318 | 7400.202V | 9630060084 |
|                                                                                      |          | PTFE      | 7400.201P  | 9630090693 | 7400.202P | 9630030257 |
| Description                                                                          |          | Qty       | SRU1       |            | SRU2      |            |
|                                                                                      |          |           | Part No.   | Item No.   | Part No.  | Item No.   |
| Anti-Rotation Pin                                                                    |          | 6         | 5180.017   | 9630031424 | 5180.017  | 9630031424 |
| Spacer (over 10 bar only)                                                            |          | 2         | -          | -          | 5670.070  | 9630028683 |
| Spacer 'O' Ring (FPM)                                                                |          | 2         | -          | -          | 5380.053  | 9630024181 |
| Additional parts to convert pump fitted with above R90 seals to single flushed seals |          |           |            |            |           |            |
| Description                                                                          | Drawing  | Qty       | SRU1       |            | SRU2      |            |
|                                                                                      | Item No. |           | Part No.   | Item No.   | Part No.  | Item No.   |
| Conversion kit - BSPT                                                                | -        | 1         | 4010.331A  | 9630091217 | 4010.332A | 9630091220 |
| Conversion kit - NPT                                                                 | -        |           | 4010.331B  | 9630091218 | 4010.332B | 9630091221 |
| Conversion kits comprising of:-                                                      |          |           |            |            |           |            |
| Gasket                                                                               | 75       | 1         | 5198.201   | 9630062179 | -         | -          |
|                                                                                      |          | 2         | -          | -          | 5198.100  | 9630031523 |
| Lip Seal (FPM)                                                                       | 76       | 2         | 5310.123   | 9630061801 | 5310.124  | 9630061802 |
| Spacer 'O' Ring (FPM)                                                                | 77       | 2         | 5380.319   | 9630034859 | 5380.053  | 9630024181 |
| Spacer                                                                               | 77A      | 2         | 5670.109   | 9630033407 | 5670.070  | 9630028683 |
| Housing, BSPT                                                                        | 79       | 2         | 5265.224AA | 9630028370 | 5265.305A | 9630032706 |
| Housing, NPT                                                                         |          |           | 5265.224BA | 9630045526 | 5265.305B | 9630045913 |
| Stud                                                                                 | -        | 4         | 6350.112   | 9630033405 | 6350.102  | 9630027474 |
| Washer                                                                               | -        | 4         | 6400.046   | 9630030121 | 6400.036  | 9630024231 |
| Nut, Stud                                                                            | -        | 4         | 5330.007   | 9630024061 | 5330.003  | 9630024057 |



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| R90 Single Mechanical Seals (Complete) - SRU3 and SRU4 Pump Models                                    |           |           |            |            |            |            |
|-------------------------------------------------------------------------------------------------------|-----------|-----------|------------|------------|------------|------------|
| 2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement |           |           |            |            |            |            |
| Rotary Seal /<br>Stationary Seal Ring                                                                 | 'O' Rings | SRU3      |            | SRU4       |            |            |
|                                                                                                       |           | Part No.  | Item No.   | Part No.   | Item No.   |            |
| Stainless Steel /<br>Carbon                                                                           | NBR       | 7400.103N | 9630033230 | 7400.104N  | 9630033114 |            |
|                                                                                                       | EPDM      | 7400.103E | 9630033231 | 7400.104E  | 9630033233 |            |
|                                                                                                       | FPM       | 7400.103V | 9630032908 | 7400.104V  | 9630032968 |            |
|                                                                                                       | PTFE      | 7400.103P | 9630033232 | 7400.104P  | 9630033234 |            |
| Stainless Steel /<br>Inserted Carbon                                                                  | NBR       | 7400.143N | 9630033252 | 7400.144N  | 9630033253 |            |
|                                                                                                       | EPDM      | 7400.143E | 9630033257 | 7400.144E  | 9630033260 |            |
|                                                                                                       | FPM       | 7400.143V | 9630033256 | 7400.144V  | 9630033259 |            |
|                                                                                                       | PTFE      | 7400.143P | 9630033258 | 7400.144P  | 9630033261 |            |
| Tungsten Carbide /<br>Inserted Carbon                                                                 | NBR       | 7400.163N | 9630033269 | 7400.164N  | 9630033270 |            |
|                                                                                                       | EPDM      | 7400.163E | 9630033280 | 7400.164E  | 9630033283 |            |
|                                                                                                       | FPM       | 7400.163V | 9630033279 | 7400.164V  | 9630033282 |            |
|                                                                                                       | PTFE      | 7400.163P | 9630033281 | 7400.164P  | 9630033284 |            |
| Tungsten Carbide /<br>Tungsten Carbide                                                                | NBR       | 7400.173N | 9630033291 | 7400.174N  | 9630033292 |            |
|                                                                                                       | EPDM      | 7400.173E | 9630033302 | 7400.174E  | 9630033305 |            |
|                                                                                                       | FPM       | 7400.173V | 9630033301 | 7400.174V  | 9630033304 |            |
|                                                                                                       | PTFE      | 7400.173P | 9630033303 | 7400.174P  | 9630033306 |            |
| Silicon Carbide /<br>Inserted Carbon                                                                  | NBR       | 7400.193N | 9630090699 | 7400.194N  | 9630042382 |            |
|                                                                                                       | EPDM      | 7400.193E | 9630073216 | 7400.194E  | 9630087140 |            |
|                                                                                                       | FPM       | 7400.193V | 9630090700 | 7400.194V  | 9630031835 |            |
|                                                                                                       | PTFE      | 7400.193P | 9630090701 | 7400.194P  | 9630057619 |            |
| Silicon Carbide /<br>Silicon Carbide                                                                  | NBR       | 7400.203N | 9630043322 | 7400.204N  | 9630090702 |            |
|                                                                                                       | EPDM      | 7400.203E | 9630050713 | 7400.204E  | 9630061483 |            |
|                                                                                                       | FPM       | 7400.203V | 9630035405 | 7400.204V  | 9630045054 |            |
|                                                                                                       | PTFE      | 7400.203P | 9630073421 | 7400.204P  | 9630039376 |            |
| Description                                                                                           | Qty       | SRU3      |            | SRU4       |            |            |
|                                                                                                       |           | Part No.  | Item No.   | Part No.   | Item No.   |            |
| Anti-Rotation Pin                                                                                     | 6         | 5180.017  | 9630031424 | 5180.016   | 9630031422 |            |
| Spacer (over 10 bar only)                                                                             | 2         | 5670.108  | 9630033143 | 5670.074   | 9630028655 |            |
| Spacer 'O' Ring (FPM)                                                                                 | 2         | 5380.019  | 9630024118 | 5380.275   | 9630026743 |            |
| Additional parts to convert pump fitted with above R90 seals to single flushed seals                  |           |           |            |            |            |            |
| Description                                                                                           | Drawing   | Qty       | SRU3       |            | SRU4       |            |
|                                                                                                       | Item No.  |           | Part No.   | Item No.   | Part No.   | Item No.   |
| Conversion kit - BSPT                                                                                 | -         | 1         | 4010.333A  | 9630091222 | 4010.334A  | 9630091224 |
| Conversion kit - NPT                                                                                  | -         |           | 4010.333B  | 9630091223 | 4010.334B  | 9630091225 |
| Conversion kits comprising of:-                                                                       |           |           |            |            |            |            |
| Gasket                                                                                                | 75        | 2         | 5198.101   | 9630031471 | 5198.102   | 9630031351 |
| Lip Seal (FPM)                                                                                        | 76        | 2         | 5310.125   | 9630061803 | 5310.126   | 9630061804 |
| Spacer 'O' Ring (FPM)                                                                                 | 77        | 2         | 5380.019   | 9630024118 | 5380.275   | 9630027643 |
| Spacer                                                                                                | 77A       | 2         | 5670.108   | 9630033143 | 5670.074   | 9630028655 |
| Housing, BSPT                                                                                         | 79        | 2         | 5265.306A  | 9630039927 | 5265.307A  | 9630032692 |
| Housing, NPT                                                                                          |           |           | 5265.306B  | 9630046010 | 5265.307B  | 9630045824 |
| Stud                                                                                                  |           | 4         | 6350.102   | 9630027474 | -          | -          |
| Washer                                                                                                |           | 4         | 6400.036   | 9630024231 | -          | -          |
| Nut, Stud                                                                                             |           | 4         | 5330.003   | 9630024057 | -          | -          |
| Screw                                                                                                 |           | 4         | -          | -          | 5990.078   | 9630060520 |

### R90 Single Mechanical Seals (Complete) - SRU5 and SRU6 Pump Models

2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement

| Rotary Seal /<br>Stationary Seal Ring                                                |          | 'O' Rings | SRU5      |            | SRU6      |            |
|--------------------------------------------------------------------------------------|----------|-----------|-----------|------------|-----------|------------|
|                                                                                      |          |           | Part No.  | Item No.   | Part No.  | Item No.   |
| Stainless Steel /<br>Carbon                                                          |          | NBR       | 7400.105N | 9630033117 | 7400.106N | 9630033237 |
|                                                                                      |          | EPDM      | 7400.105E | 9630033235 | 7400.106E | 9630033239 |
|                                                                                      |          | FPM       | 7400.105V | 9630033118 | 7400.106V | 9630033238 |
|                                                                                      |          | PTFE      | 7400.105P | 9630033236 | 7400.106P | 9630033240 |
| Stainless Steel /<br>Inserted Carbon                                                 |          | NBR       | 7400.145N | 9630033254 | 7400.146N | 9630033255 |
|                                                                                      |          | EPDM      | 7400.145E | 9630033263 | 7400.146E | 9630033266 |
|                                                                                      |          | FPM       | 7400.145V | 9630033262 | 7400.146V | 9630033265 |
|                                                                                      |          | PTFE      | 7400.145P | 9630033264 | 7400.146P | 9630033267 |
| Tungsten Carbide /<br>Inserted Carbon                                                |          | NBR       | 7400.165N | 9630033271 | 7400.166N | 9630033272 |
|                                                                                      |          | EPDM      | 7400.165E | 9630033286 | 7400.166E | 9630033289 |
|                                                                                      |          | FPM       | 7400.165V | 9630033285 | 7400.166V | 9630033288 |
|                                                                                      |          | PTFE      | 7400.165P | 9630033287 | 7400.166P | 9630033290 |
| Tungsten Carbide /<br>Tungsten Carbide                                               |          | NBR       | 7400.175N | 9630033293 | 7400.176N | 9630033294 |
|                                                                                      |          | EPDM      | 7400.175E | 9630033308 | 7400.176E | 9630033311 |
|                                                                                      |          | FPM       | 7400.175V | 9630033307 | 7400.176V | 9630033310 |
|                                                                                      |          | PTFE      | 7400.175P | 9630033309 | 7400.176P | 9630033312 |
| Silicon Carbide /<br>Inserted Carbon                                                 |          | NBR       | 7400.195N | 9630087180 | 7400.196N | 9630090707 |
|                                                                                      |          | EPDM      | 7400.195E | 9630090703 | 7400.196E | 9630032866 |
|                                                                                      |          | FPM       | 7400.195V | 9630090704 | 7400.196V | 9630028988 |
|                                                                                      |          | PTFE      | 7400.195P | 9630085989 | 7400.196P | 9630069377 |
| Silicon Carbide /<br>Silicon Carbide                                                 |          | NBR       | 7400.205N | 9630062756 | 7400.206N | 9630090705 |
|                                                                                      |          | EPDM      | 7400.205E | 9630057537 | 7400.206E | 9630077819 |
|                                                                                      |          | FPM       | 7400.205V | 9630045055 | 7400.206V | 9630032232 |
|                                                                                      |          | PTFE      | 7400.205P | 9630045555 | 7400.206P | 9630090706 |
| Description                                                                          |          | Qty       | SRU5      |            | SRU6      |            |
|                                                                                      |          |           | Part No.  | Item No.   | Part No.  | Item No.   |
| Anti-Rotation Pin                                                                    |          | 6         | 5180.016  | 9630031422 | 5180.015  | 9630029653 |
| Spacer (over 10 bar only)                                                            |          | 2         | 5670.076  | 9630028628 | 5670.078  | 9630028608 |
| Spacer 'O' Ring (FPM)                                                                |          | 2         | 5380.077  | 9630024194 | 5380.158  | 9630024289 |
| Additional parts to convert pump fitted with above R90 seals to single flushed seals |          |           |           |            |           |            |
| Description                                                                          | Drawing  | Qty       | SRU5      |            | SRU6      |            |
|                                                                                      | Item No. |           | Part No.  | Item No.   | Part No.  | Item No.   |
| Conversion kit - BSPT                                                                | -        | 1         | 4010.335A | 9630091227 | 4010.336A | 9630091229 |
| Conversion kit - NPT                                                                 | -        |           | 4010.335B | 9630091228 | 4010.336B | 9630091230 |
| Conversion kits comprising of:-                                                      |          |           |           |            |           |            |
| Gasket                                                                               | 75       | 2         | 5198.103  | 9630031077 | 5198.104  | 9630030911 |
| Lip Seal (FPM)                                                                       | 76       | 2         | 5310.127  | 9630061805 | 5310.128  | 9630061806 |
| Spacer 'O' Ring (FPM)                                                                | 77       | 2         | 5380.077  | 9630024194 | 5380.158  | 9630024289 |
| Spacer                                                                               | 77A      | 2         | 5670.076  | 9630028628 | 5670.078  | 9630028608 |
| Housing, BSPT                                                                        | 79       | 2         | 5265.308A | 9630022756 | 5265.309A | 9630032590 |
| Housing, NPT                                                                         |          |           | 5265.308B | 9630045839 | 5265.309B | 9630046167 |
| Stud                                                                                 |          | 4         | 6350.104  | 9630019863 | 6350.105  | 9630027485 |
| Washer                                                                               |          | 4         | 6400.037  | 9630024233 | 6400.037  | 9630024233 |
| Nut, Stud                                                                            |          | 4         | 5330.000  | 9630024051 | 5330.000  | 9630024051 |



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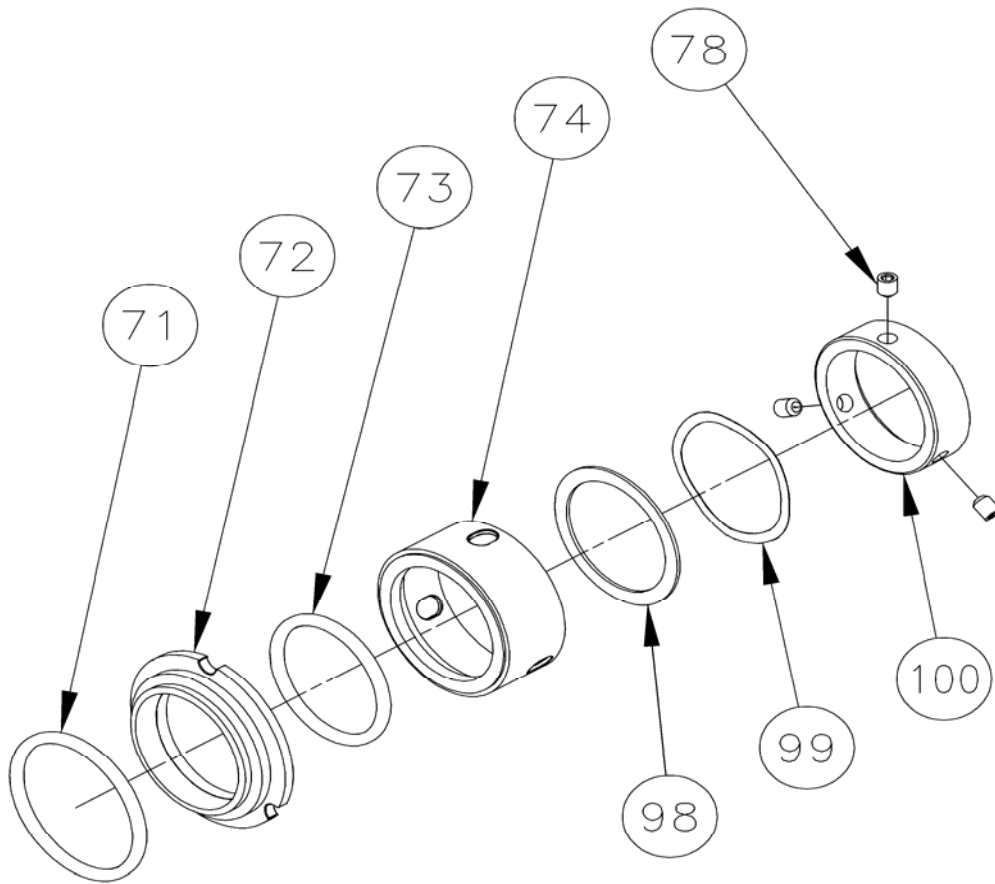
| R90 Single Mechanical Seals (Parts) - SRU1 to SRU4 Pump Models                                                                     |                               |                  |     |           |            |           |            |
|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------|-----|-----------|------------|-----------|------------|
| Drg No.                                                                                                                            | Description                   | Material         | Qty | SRU1      |            | SRU2      |            |
|                                                                                                                                    |                               |                  |     | Part No   | Item No    | Part No   | Item No    |
| 71                                                                                                                                 | Stationary Seal Ring 'O' Ring | NBR              | 2   | 5380.214  | 9630028449 | 5380.222  | 9630027299 |
|                                                                                                                                    |                               | EPDM             |     | 5380.218  | 9630027782 | 5380.226  | 9630028377 |
|                                                                                                                                    |                               | FPM              |     | 5380.216  | 9630028447 | 5380.224  | 9630028379 |
|                                                                                                                                    |                               | PTFE             |     | 5380.220  | 9630019763 | 5380.228  | 9630028374 |
| 72                                                                                                                                 | Stationary Seal Ring          | Solid Carbon     | 2   | R5630.066 | 9630026215 | R5630.067 | 9630026164 |
|                                                                                                                                    |                               | Inserted Carbon  |     | R5630.060 | 9630025257 | R5630.061 | 9630025258 |
|                                                                                                                                    |                               | Tungsten Carbide |     | R5630.072 | 9630029728 | R5630.073 | 9630026168 |
|                                                                                                                                    |                               | Silicon Carbide  |     | R5630.078 | 9630026003 | R5630.079 | 9630044552 |
| 73                                                                                                                                 | Rotary Seal Ring 'O' Ring     | NBR              | 2   | 5380.213  | 9630028460 | 5380.221  | 9630027301 |
|                                                                                                                                    |                               | EPDM             |     | 5380.217  | 9630028446 | 5380.225  | 9630028378 |
|                                                                                                                                    |                               | FPM              |     | 5380.215  | 9630028448 | 5380.223  | 9630028380 |
|                                                                                                                                    |                               | PTFE             |     | 5380.219  | 9630028382 | 5380.227  | 9630028375 |
| 74                                                                                                                                 | Rotary Seal Assembly          | Stainless Steel  | 2   | R7400.121 | 9630030218 | R7400.122 | 9630030219 |
|                                                                                                                                    |                               | Tungsten Carbide |     | R7400.131 | 9630026464 | R7400.132 | 9630026570 |
|                                                                                                                                    |                               | Silicon Carbide  |     | R7400.181 | 9630027025 | R7400.182 | 9630027024 |
| Note: Rotary Seal Assembly (74) comprises of rotary seal ring, washer (98), wave spring (99), drive ring (100) and grub screw (78) |                               |                  |     |           |            |           |            |
| 78                                                                                                                                 | Grub Screw                    |                  | 6   | 6010.012  | 9630030298 | 6010.012  | 9630030298 |
| 98                                                                                                                                 | Washer                        |                  | 2   | R6400.061 | 9630045430 | R6400.062 | 9630045431 |
| 99                                                                                                                                 | Wave Spring (see note 1)      |                  | 2   | R6300.031 | 9630026769 | R6300.032 | 9630026770 |
|                                                                                                                                    |                               |                  |     |           |            |           |            |
| Drg No.                                                                                                                            | Description                   | Material         | Qty | SRU3      |            | SRU4      |            |
|                                                                                                                                    |                               |                  |     | Part No   | Item No    | Part No   | Item No    |
| 71                                                                                                                                 | Stationary Seal Ring 'O' Ring | NBR              | 2   | 5380.230  | 9630028368 | 5380.238  | 9630028260 |
|                                                                                                                                    |                               | EPDM             |     | 5380.234  | 9630028321 | 5380.242  | 9630025642 |
|                                                                                                                                    |                               | FPM              |     | 5380.232  | 9630028357 | 5380.240  | 9630027472 |
|                                                                                                                                    |                               | PTFE             |     | 5380.236  | 9630028266 | 5380.244  | 9630026096 |
| 72                                                                                                                                 | Stationary Seal Ring          | Solid Carbon     | 2   | R5630.068 | 9630026163 | R5630.069 | 9630017815 |
|                                                                                                                                    |                               | Inserted Carbon  |     | R5630.062 | 9630026162 | R5630.063 | 9630035092 |
|                                                                                                                                    |                               | Tungsten Carbide |     | R5630.074 | 9630017810 | R5630.075 | 9630026167 |
|                                                                                                                                    |                               | Silicon Carbide  |     | R5630.080 | 9630027021 | R5630.081 | 9630027020 |
| 73                                                                                                                                 | Rotary Seal Ring 'O' Ring     | NBR              | 2   | 5380.149  | 9630024280 | 5380.237  | 9630028263 |
|                                                                                                                                    |                               | EPDM             |     | 5380.093  | 9630024206 | 5380.241  | 9630025646 |
|                                                                                                                                    |                               | FPM              |     | 5380.101  | 9630024214 | 5380.239  | 9630021115 |
|                                                                                                                                    |                               | PTFE             |     | 5380.123  | 9630024254 | 5380.243  | 9630026094 |
| 74                                                                                                                                 | Rotary Seal Assembly          | Stainless Steel  | 2   | R7400.123 | 9630026877 | R7400.124 | 9630026882 |
|                                                                                                                                    |                               | Tungsten Carbide |     | R7400.133 | 9630026569 | R7400.134 | 9630026585 |
|                                                                                                                                    |                               | Silicon Carbide  |     | R7400.183 | 9630027023 | R7400.184 | 9630045909 |
| Note: Rotary Seal Assembly (74) comprises of rotary seal ring, washer (98), wave spring (99), drive ring (100) and grub screw (78) |                               |                  |     |           |            |           |            |
| 78                                                                                                                                 | Grub Screw                    |                  | 6   | 6010.012  | 9630030298 | 6010.013  | 9630030299 |
| 98                                                                                                                                 | Washer                        |                  | 2   | R6400.063 | 9630045432 | R6400.064 | 9630045433 |
| 99                                                                                                                                 | Wave Spring (see note 1)      |                  | 2   | R6300.033 | 9630022957 | R6300.034 | 9630026228 |

Note 1. If PTFE 'O' Rings are fitted it is necessary to use double wave springs i.e. Qty 4.

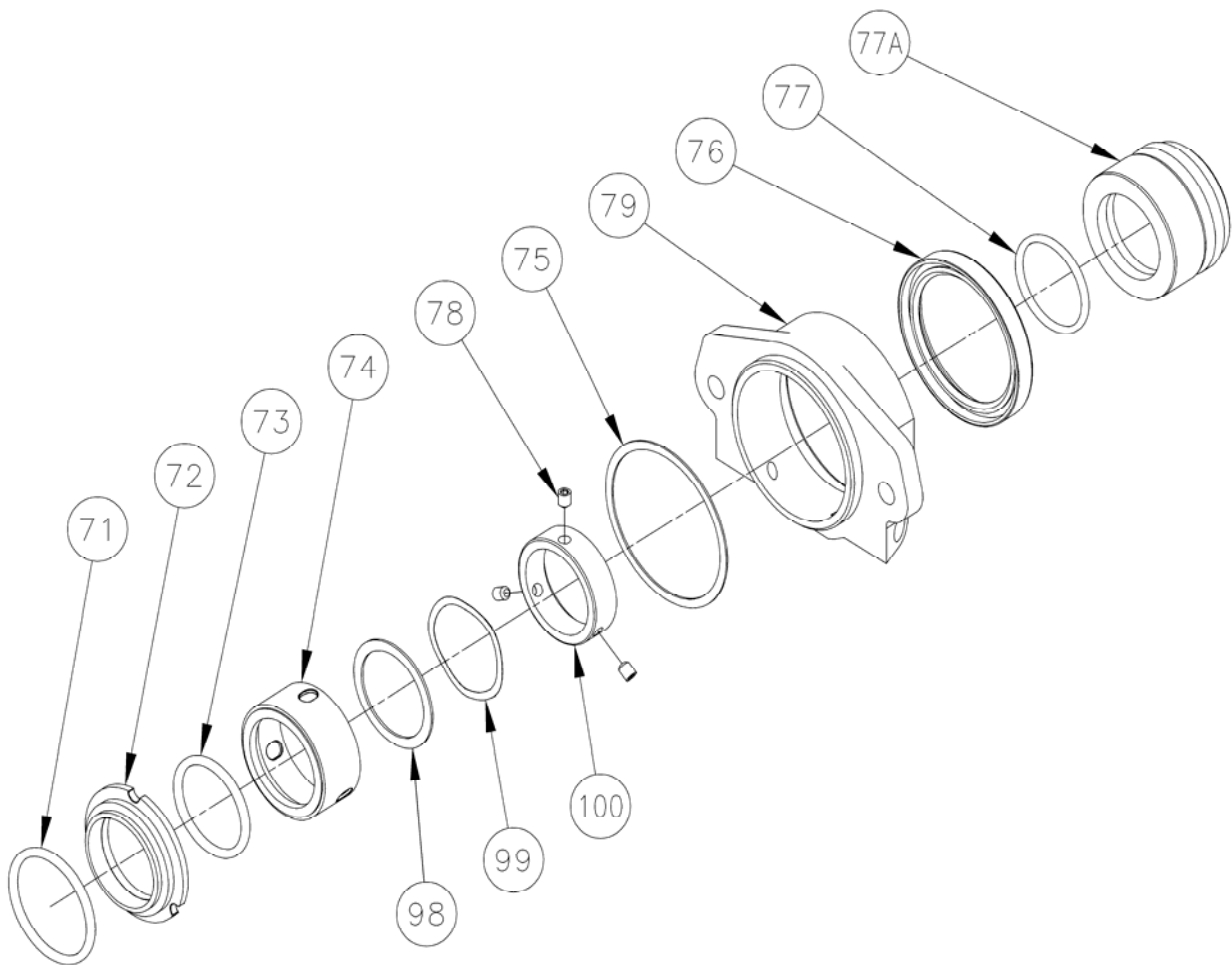
| R90 Single Mechanical Seals (Parts) - SRU5 and SRU6 Pump Models                                                                    |                               |                  |     |           |            |           |            |
|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------|-----|-----------|------------|-----------|------------|
| Drg No.                                                                                                                            | Description                   | Material         | Qty | SRU5      |            | SRU6      |            |
|                                                                                                                                    |                               |                  |     | Part No   | Item No    | Part No   | Item No    |
| 71                                                                                                                                 | Stationary Seal Ring 'O' Ring | NBR              | 2   | 5380.246  | 9630025417 | 5380.254  | 9630027486 |
|                                                                                                                                    |                               | EPDM             |     | 5380.250  | 9630025437 | 5380.258  | 9630029893 |
|                                                                                                                                    |                               | FPM              |     | 5380.248  | 9630025398 | 5380.256  | 9630029897 |
|                                                                                                                                    |                               | PTFE             |     | 5380.252  | 9630025846 | 5380.260  | 9630029885 |
| 72                                                                                                                                 | Stationary Seal Ring          | Solid Carbon     | 2   | R5630.070 | 9630026196 | R5630.071 | 9630029729 |
|                                                                                                                                    |                               | Inserted Carbon  |     | R5630.064 | 9630026207 | R5630.065 | 9630026165 |
|                                                                                                                                    |                               | Tungsten Carbide |     | R5630.076 | 9630026219 | R5630.077 | 9630026193 |
|                                                                                                                                    |                               | Silicon Carbide  |     | R5630.082 | 9630044328 | R5630.083 | 9630027019 |
| 73                                                                                                                                 | Rotary Seal Ring 'O' Ring     | NBR              | 2   | 5380.245  | 9630026648 | 5380.253  | 9630026625 |
|                                                                                                                                    |                               | EPDM             |     | 5380.249  | 9630025314 | 5380.257  | 9630029896 |
|                                                                                                                                    |                               | FPM              |     | 5380.247  | 9630025438 | 5380.255  | 9630026693 |
|                                                                                                                                    |                               | PTFE             |     | 5380.251  | 9630026704 | 5380.259  | 9630029889 |
| 74                                                                                                                                 | Rotary Seal Assembly          | Stainless Steel  | 2   | R7400.125 | 9630026172 | R7400.126 | 9630026449 |
|                                                                                                                                    |                               | Tungsten Carbide |     | R7400.135 | 9630026584 | R7400.136 | 9630022294 |
|                                                                                                                                    |                               | Silicon Carbide  |     | R7400.185 | 9630027022 | R7400.186 | 9630046520 |
| Note: Rotary Seal Assembly (74) comprises of rotary seal ring, washer (98), wave spring (99), drive ring (100) and grub screw (78) |                               |                  |     |           |            |           |            |
| 78                                                                                                                                 | Grub Screw                    |                  | 6   | 6010.032  | 9630027891 | 6010.030  | 9630034730 |
| 98                                                                                                                                 | Washer                        |                  | 2   | R6400.065 | 9630045434 | R6400.066 | 9630045435 |
| 99                                                                                                                                 | Wave Spring (see note 1)      |                  | 2   | R6300.035 | 9630026208 | -         | -          |
|                                                                                                                                    | Coil Spring                   |                  | 12  | -         | -          | R6300.036 | 9630026227 |

Note 1. If PTFE 'O' Rings are fitted it is necessary to use double wave springs i.e. Qty 4.

## R90 Single Mechanical Seal - Exploded View Drawing



## R90 Single Flushed Mechanical Seal - Exploded View Drawing



| R90 Double Mechanical Seals (Complete) - SRU1 Pump Models                                                   |                                     |                       |                        |                |            |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------|------------------------|----------------|------------|
| 2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement.      |                                     |                       |                        |                |            |
| Inboard Seal                                                                                                | Outboard Seal                       | Inboard Seal 'O' Ring | Outboard Seal 'O' Ring | SRU1           |            |
| Rotary Seal / Stationary Seal Ring                                                                          | Rotary Seal / Stationary Seal Ring  |                       |                        | Part No.       | Item No.   |
| Stainless Steel / Carbon                                                                                    | Stainless Steel / Carbon            | NBR                   | NBR                    | 7400.101N/101N | 9630043289 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.101E/101E | 9630028617 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.101V/101V |            |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.101P/101P |            |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.101P/101N | 9630042850 |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.101P/101E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.101P/101V |            |
| Stainless Steel / Inserted Carbon                                                                           | Stainless Steel / Inserted Carbon   | NBR                   | NBR                    | 7400.141N/141N | 9630056927 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.141E/141E |            |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.141V/141V |            |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.141P/141P |            |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.141P/141N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.141P/141E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.141P/141V |            |
| Tungsten Carbide / Tungsten Carbide                                                                         | Stainless Steel / Carbon            | NBR                   | NBR                    | 7400.171N/101N | 9630034043 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.171E/101E | 9630041636 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.171V/101V |            |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.171P/101P |            |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.171P/101N | 9630025112 |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.171P/101E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.171P/101V |            |
| Tungsten Carbide / Tungsten Carbide                                                                         | Tungsten Carbide / Tungsten Carbide | NBR                   | NBR                    | 7400.171N/171N | 9630040458 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.171E/171E | 9630044855 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.171V/171V |            |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.171P/171P |            |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.171P/171N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.171P/171E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.171P/171V |            |
| Silicon Carbide / Silicon Carbide                                                                           | Stainless Steel / Carbon            | NBR                   | NBR                    | 7400.201N/101N |            |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.201E/101E |            |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.201V/101V |            |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.201P/101P |            |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.201P/101N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.201P/101E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.201P/101V |            |
| Silicon Carbide / Silicon Carbide                                                                           | Silicon Carbide / Silicon Carbide   | NBR                   | NBR                    | 7400.201N/201N | 9630026649 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.201E/201E |            |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.201V/201V |            |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.201P/201P |            |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.201P/201N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.201P/201E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.201P/201V |            |
| Note: Above are listed the most common seal ring / 'O' ring combinations - for other combinations see p.49. |                                     |                       |                        |                |            |
| Description                                                                                                 |                                     | Drg No.               | Qty                    | SRU1           |            |
|                                                                                                             |                                     |                       |                        | Part No.       | Item No.   |
| Gasket                                                                                                      |                                     | 75                    | 1                      | 5198.201       | 9630062179 |
| Housing, BSPT                                                                                               |                                     | 79                    | 2                      | 5265.221AA     | 9630040244 |
| Housing, NPT                                                                                                |                                     |                       |                        | 5265.221BA     | 9630029155 |
| Elbow, BSPT                                                                                                 |                                     | -                     | 4                      | 5192.050A      | 9630034032 |
| Elbow, NPT                                                                                                  |                                     |                       |                        | 5192.050B      | 9630034033 |
| Stud                                                                                                        |                                     | -                     | 4                      | 6350.112       | 9630033404 |
| Nut, Stud                                                                                                   |                                     | -                     | 4                      | 5330.007       | 9630024061 |
| Note: Elbows only required on horizontally ported pumps with flanged connections.                           |                                     |                       |                        |                |            |

| R90 Double Mechanical Seals (Complete) - SRU2 Pump Models                                                   |                                     |                       |                        |                |            |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------|------------------------|----------------|------------|
| 2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement.      |                                     |                       |                        |                |            |
| Inboard Seal                                                                                                | Outboard Seal                       | Inboard Seal 'O' Ring | Outboard Seal 'O' Ring | SRU2           |            |
| Rotary Seal / Stationary Seal Ring                                                                          | Rotary Seal / Stationary Seal Ring  |                       |                        | Part No.       | Item No.   |
| Stainless Steel / Carbon                                                                                    | Stainless Steel / Carbon            | NBR                   | NBR                    | 7400.102N/102N | 9630034680 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.102E/102E | 9630044938 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.102V/102V | 9630034198 |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.102P/102P | 9630058326 |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.102P/102N | 9630045689 |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.102P/102E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.102P/102V | 9630049526 |
| Stainless Steel / Inserted Carbon                                                                           | Stainless Steel / Inserted Carbon   | NBR                   | NBR                    | 7400.142N/142N | 9630037819 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.142E/142E | 9630099017 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.142V/142V | 9630094530 |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.142P/142P | 9630035263 |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.142P/142N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.142P/142E | 9630092088 |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.142P/142V |            |
| Tungsten Carbide / Tungsten Carbide                                                                         | Stainless Steel / Carbon            | NBR                   | NBR                    | 7400.172N/102N | 9630040399 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.172E/102E | 9630041786 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.172V/102V | 9630034946 |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.172P/102P | 9630039321 |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.172P/102N | 9630033456 |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.172P/102E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.172P/102V | 9630025526 |
| Tungsten Carbide / Tungsten Carbide                                                                         | Tungsten Carbide / Tungsten Carbide | NBR                   | NBR                    | 7400.172N/172N | 9630056098 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.172E/172E | 9630035369 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.172V/172V | 9630035299 |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.172P/172P | 9630052091 |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.172P/172N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.172P/172E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.172P/172V |            |
| Silicon Carbide / Silicon Carbide                                                                           | Stainless Steel / Carbon            | NBR                   | NBR                    | 7400.202N/102N | 9630040268 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.202E/102E |            |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.202V/102V |            |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.202P/102P |            |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.202P/102N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.202P/102E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.202P/102V |            |
| Silicon Carbide / Silicon Carbide                                                                           | Silicon Carbide / Silicon Carbide   | NBR                   | NBR                    | 7400.202N/202N | 9630051630 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.202E/202E |            |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.202V/202V |            |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.202P/202P |            |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.202P/202N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.202P/202E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.202P/202V |            |
| Note: Above are listed the most common seal ring / 'O' ring combinations - for other combinations see p.49. |                                     |                       |                        |                |            |
| Description                                                                                                 |                                     | Drg No.               | Qty                    | SRU2           |            |
|                                                                                                             |                                     |                       |                        | Part No.       | Item No.   |
| Gasket                                                                                                      |                                     | 75                    | 2                      | 5198.100       | 9630031523 |
| Housing, BSPT                                                                                               |                                     | 79                    | 2                      | 5265.325A      | 9630040952 |
| Housing, NPT                                                                                                |                                     |                       |                        | 5265.325B      | 9630038226 |
| Elbow, BSPT                                                                                                 |                                     | -                     | 4                      | 5192.050A      | 9630034032 |
| Elbow, NPT                                                                                                  |                                     |                       |                        | 5192.050B      | 9630034033 |
| Stud                                                                                                        |                                     | -                     | 4                      | 6350.103       | 9630027364 |
| Nut, Stud                                                                                                   |                                     | -                     | 4                      | 5330.003       | 9630024057 |
| Note: Elbows only required on horizontally ported pumps with flanged connections.                           |                                     |                       |                        |                |            |

| R90 Double Mechanical Seals (Complete) - SRU3 Pump Models                                                   |                                     |                       |                        |                |            |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------|------------------------|----------------|------------|
| 2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement.      |                                     |                       |                        |                |            |
| Inboard Seal                                                                                                | Outboard Seal                       | Inboard Seal 'O' Ring | Outboard Seal 'O' Ring | SRU3           |            |
| Rotary Seal / Stationary Seal Ring                                                                          | Rotary Seal / Stationary Seal Ring  |                       |                        | Part No.       | Item No.   |
| Stainless Steel / Carbon                                                                                    | Stainless Steel / Carbon            | NBR                   | NBR                    | 7400.103N/103N | 9630032602 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.103E/103E | 9630046017 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.103V/103V | 9630032969 |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.103P/103P | 9630036747 |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.103P/103N | 9630040110 |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.103P/103E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.103P/103V | 9630043245 |
| Stainless Steel / Inserted Carbon                                                                           | Stainless Steel / Inserted Carbon   | NBR                   | NBR                    | 7400.143N/143N | 9630039276 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.143E/143E |            |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.143V/143V |            |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.143P/143P | 9630043303 |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.143P/143N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.143P/143E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.143P/143V |            |
| Tungsten Carbide / Tungsten Carbide                                                                         | Stainless Steel / Carbon            | NBR                   | NBR                    | 7400.173N/103N | 9630037420 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.173E/103E | 9630028328 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.173V/103V | 9630025967 |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.173P/103P | 9630051218 |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.173P/103N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.173P/103E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.173P/103V | 9630080288 |
| Tungsten Carbide / Tungsten Carbide                                                                         | Tungsten Carbide / Tungsten Carbide | NBR                   | NBR                    | 7400.173N/173N |            |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.173E/173E | 9630067827 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.173V/173V | 9630049354 |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.173P/173P | 9630091612 |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.173P/173N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.173P/173E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.173P/173V |            |
| Silicon Carbide / Silicon Carbide                                                                           | Stainless Steel / Carbon            | NBR                   | NBR                    | 7400.203N/103N |            |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.203E/103E | 9630061788 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.203V/103V |            |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.203P/103P |            |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.203P/103N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.203P/103E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.203P/103V |            |
| Silicon Carbide / Silicon Carbide                                                                           | Silicon Carbide / Silicon Carbide   | NBR                   | NBR                    | 7400.203N/203N |            |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.203E/203E | 9630061482 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.203V/203V | 9630051631 |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.203P/203P |            |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.203P/203N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.203P/203E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.203P/203V |            |
| Note: Above are listed the most common seal ring / 'O' ring combinations - for other combinations see p.49. |                                     |                       |                        |                |            |
| Description                                                                                                 |                                     | Drg No.               | Qty                    | SRU3           |            |
|                                                                                                             |                                     |                       |                        | Part No.       | Item No.   |
| Gasket                                                                                                      |                                     | 75                    | 2                      | 5198.101       | 9630031471 |
| Housing, BSPT                                                                                               |                                     | 79                    | 2                      | 5265.326A      | 9630032543 |
| Housing, NPT                                                                                                |                                     |                       |                        | 5265.326B      | 9630046719 |
| Elbow, BSPT                                                                                                 |                                     | -                     | 4                      | 5192.050A      | 9630034032 |
| Elbow, NPT                                                                                                  |                                     |                       |                        | 5192.050B      | 9630034033 |
| Stud                                                                                                        |                                     | -                     | 4                      | 6350.103       | 9630027364 |
| Nut, Stud                                                                                                   |                                     | -                     | 4                      | 5330.003       | 9630024057 |
| Note: Elbows only required on horizontally ported pumps with flanged connections.                           |                                     |                       |                        |                |            |

| R90 Double Mechanical Seals (Complete) - SRU4 Pump Models                                                   |                                     |                       |                        |                |            |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------|------------------------|----------------|------------|
| 2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement.      |                                     |                       |                        |                |            |
| Inboard Seal                                                                                                | Outboard Seal                       | Inboard Seal 'O' Ring | Outboard Seal 'O' Ring | SRU4           |            |
| Rotary Seal / Stationary Seal Ring                                                                          | Rotary Seal / Stationary Seal Ring  |                       |                        | Part No.       | Item No.   |
| Stainless Steel / Carbon                                                                                    | Stainless Steel / Carbon            | NBR                   | NBR                    | 7400.104N/104N | 9630033040 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.104E/104E | 9630029604 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.104V/104V | 9630032970 |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.104P/104P | 9630034370 |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.104P/104N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.104P/104E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.104P/104V | 9630022782 |
| Stainless Steel / Inserted Carbon                                                                           | Stainless Steel / Inserted Carbon   | NBR                   | NBR                    | 7400.144N/144N | 9630039738 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.144E/144E |            |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.144V/144V | 9630044147 |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.144P/144P | 9630057429 |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.144P/144N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.144P/144E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.144P/144V |            |
| Tungsten Carbide / Tungsten Carbide                                                                         | Stainless Steel / Carbon            | NBR                   | NBR                    | 7400.174N/104N | 9630037201 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.174E/104E | 9630039271 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.174V/104V | 9630020899 |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.174P/104P | 9630042973 |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.174P/104N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.174P/104E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.174P/104V | 9630022459 |
| Tungsten Carbide / Tungsten Carbide                                                                         | Tungsten Carbide / Tungsten Carbide | NBR                   | NBR                    | 7400.174N/174N | 9630066039 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.174E/174E | 9630061973 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.174V/174V | 9630050779 |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.174P/174P | 9630060209 |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.174P/174N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.174P/174E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.174P/174V |            |
| Silicon Carbide / Silicon Carbide                                                                           | Stainless Steel / Carbon            | NBR                   | NBR                    | 7400.204N/104N |            |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.204E/104E | 9630097660 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.204V/104V | 9630085532 |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.204P/104P |            |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.204P/104N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.204P/104E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.204P/104V |            |
| Silicon Carbide / Silicon Carbide                                                                           | Silicon Carbide / Silicon Carbide   | NBR                   | NBR                    | 7400.204N/204N |            |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.204E/204E |            |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.204V/204V |            |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.204P/204P |            |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.204P/204N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.204P/204E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.204P/204V |            |
| Note: Above are listed the most common seal ring / 'O' ring combinations - for other combinations see p.49. |                                     |                       |                        |                |            |
| Description                                                                                                 |                                     | Drg No.               | Qty                    | SRU4           |            |
|                                                                                                             |                                     |                       |                        | Part No.       | Item No.   |
| Gasket                                                                                                      |                                     | 75                    | 2                      | 5198.102       | 9630031351 |
| Housing, BSPT                                                                                               |                                     | 79                    | 2                      | 5265.327A      | 9630023635 |
| Housing, NPT                                                                                                |                                     |                       |                        | 5265.327B      | 9630045904 |
| Elbow, BSPT                                                                                                 |                                     | -                     | 4                      | 5192.050A      | 9630034032 |
| Elbow, NPT                                                                                                  |                                     |                       |                        | 5192.050B      | 9630034033 |
| Stud                                                                                                        |                                     | -                     | 4                      | 6350.111       | 9630025823 |
| Nut, Stud                                                                                                   |                                     | -                     | 4                      | 5330.000       | 9630024051 |
| Note: Elbows only required on horizontally ported pumps with flanged connections.                           |                                     |                       |                        |                |            |

| R90 Double Mechanical Seals (Complete) - SRU5 Pump Models                                                   |                                     |                       |                        |                |            |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------|------------------------|----------------|------------|
| 2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement.      |                                     |                       |                        |                |            |
| Inboard Seal                                                                                                | Outboard Seal                       | Inboard Seal 'O' Ring | Outboard Seal 'O' Ring | SRU5           |            |
| Rotary Seal / Stationary Seal Ring                                                                          | Rotary Seal / Stationary Seal Ring  |                       |                        | Part No.       | Item No.   |
| Stainless Steel / Carbon                                                                                    | Stainless Steel / Carbon            | NBR                   | NBR                    | 7400.105N/105N | 9630039093 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.105E/105E | 9630046016 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.105V/105V | 9630042534 |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.105P/105P | 9630056839 |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.105P/105N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.105P/105E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.105P/105V |            |
| Stainless Steel / Inserted Carbon                                                                           | Stainless Steel / Inserted Carbon   | NBR                   | NBR                    | 7400.145N/145N | 9630039757 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.145E/145E | 9630054831 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.145V/145V | 9630091324 |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.145P/145P |            |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.145P/145N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.145P/145E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.145P/145V |            |
| Tungsten Carbide / Tungsten Carbide                                                                         | Stainless Steel / Carbon            | NBR                   | NBR                    | 7400.175N/105N | 9630039760 |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.175E/105E | 9630040624 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.175V/105V | 9630020927 |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.175P/105P | 9630045112 |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.175P/105N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.175P/105E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.175P/105V | 9630045614 |
| Tungsten Carbide / Tungsten Carbide                                                                         | Tungsten Carbide / Tungsten Carbide | NBR                   | NBR                    | 7400.175N/175N |            |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.175E/175E | 9630061989 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.175V/175V | 9630048424 |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.175P/175P | 9630065194 |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.175P/175N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.175P/175E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.175P/175V |            |
| Silicon Carbide / Silicon Carbide                                                                           | Stainless Steel / Carbon            | NBR                   | NBR                    | 7400.205N/105N |            |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.205E/105E | 9630050392 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.205V/105V |            |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.205P/105P |            |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.205P/105N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.205P/105E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.205P/105V |            |
| Silicon Carbide / Silicon Carbide                                                                           | Silicon Carbide / Silicon Carbide   | NBR                   | NBR                    | 7400.205N/205N |            |
|                                                                                                             |                                     | EPDM                  | EPDM                   | 7400.205E/205E | 9630096517 |
|                                                                                                             |                                     | FPM                   | FPM                    | 7400.205V/205V | 9630097136 |
|                                                                                                             |                                     | PTFE                  | PTFE                   | 7400.205P/205P | 9630051629 |
|                                                                                                             |                                     | PTFE                  | NBR                    | 7400.205P/205N |            |
|                                                                                                             |                                     | PTFE                  | EPDM                   | 7400.205P/205E |            |
|                                                                                                             |                                     | PTFE                  | FPM                    | 7400.205P/205V |            |
| Note: Above are listed the most common seal ring / 'O' ring combinations - for other combinations see p.49. |                                     |                       |                        |                |            |
| Description                                                                                                 |                                     | Drg No.               | Qty                    | SRU5           |            |
|                                                                                                             |                                     |                       |                        | Part No.       | Item No.   |
| Gasket                                                                                                      |                                     | 75                    | 2                      | 5198.103       | 9630031077 |
| Housing, BSPT                                                                                               |                                     | 79                    | 2                      | 5265.328A      | 9630040950 |
| Housing, NPT                                                                                                |                                     |                       |                        | 5265.328B      | 9630046650 |
| Stud                                                                                                        |                                     | -                     | 4                      | 6350.107       | 9630028904 |
| Nut, Stud                                                                                                   |                                     | -                     | 4                      | 5330.000       | 9630024051 |

| R90 Double Mechanical Seals (Complete) - SRU6 Pump Models                                                                                                                                                                                                                                                              |                                     |                       |                        |                 |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------|------------------------|-----------------|------------|
| 2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement.                                                                                                                                                                                                                 |                                     |                       |                        |                 |            |
| Inboard Seal                                                                                                                                                                                                                                                                                                           | Outboard Seal                       | Inboard Seal 'O' Ring | Outboard Seal 'O' Ring | SRU6            |            |
| Rotary Seal / Stationary Seal Ring                                                                                                                                                                                                                                                                                     | Rotary Seal / Stationary Seal Ring  |                       |                        | Part No.        | Item No.   |
| Stainless Steel / Carbon                                                                                                                                                                                                                                                                                               | Stainless Steel / Carbon            | NBR                   | NBR                    | 7400.106N/106N  | 9630022646 |
|                                                                                                                                                                                                                                                                                                                        |                                     | EPDM                  | EPDM                   | 7400.106E/106E  | 9630039516 |
|                                                                                                                                                                                                                                                                                                                        |                                     | FPM                   | FPM                    | 7400.106V/106V  |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | PTFE                   | 7400.106P/106P  |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | NBR                    | 7400.P106P/106N |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | EPDM                   | 7400.P106P/106E |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | FPM                    | 7400.P106P/106V |            |
| Stainless Steel / Inserted Carbon                                                                                                                                                                                                                                                                                      | Stainless Steel / Inserted Carbon   | NBR                   | NBR                    | 7400.146N/146N  | 9630026239 |
|                                                                                                                                                                                                                                                                                                                        |                                     | EPDM                  | EPDM                   | 7400.146E/146E  | 9630026239 |
|                                                                                                                                                                                                                                                                                                                        |                                     | FPM                   | FPM                    | 7400.146V/146V  |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | PTFE                   | 7400.146P/146P  |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | NBR                    | 7400.P146P/146N |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | EPDM                   | 7400.P146P/146E |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | FPM                    | 7400.P146P/146V |            |
| Tungsten Carbide / Tungsten Carbide                                                                                                                                                                                                                                                                                    | Stainless Steel / Carbon            | NBR                   | NBR                    | 7400.P176N/106N | 9630030293 |
|                                                                                                                                                                                                                                                                                                                        |                                     | EPDM                  | EPDM                   | 7400.P176E/106E | 9630030215 |
|                                                                                                                                                                                                                                                                                                                        |                                     | FPM                   | FPM                    | 7400.P176V/106V | 9630039743 |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | PTFE                   | 7400.P176P/106P | 9630039742 |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | NBR                    | 7400.P176P/106N | 9630041470 |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | EPDM                   | 7400.P176P/106E |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | FPM                    | 7400.P176P/106V |            |
| Tungsten Carbide / Tungsten Carbide                                                                                                                                                                                                                                                                                    | Tungsten Carbide / Tungsten Carbide | NBR                   | NBR                    | 7400.176N/176N  | 9630039523 |
|                                                                                                                                                                                                                                                                                                                        |                                     | EPDM                  | EPDM                   | 7400.176E/176E  | 9630061932 |
|                                                                                                                                                                                                                                                                                                                        |                                     | FPM                   | FPM                    | 7400.176V/176V  | 9630052953 |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | PTFE                   | 7400.176P/176P  | 9630100941 |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | NBR                    | 7400.P176P/176N | 9630100941 |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | EPDM                   | 7400.P176P/176E |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | FPM                    | 7400.P176P/176V |            |
| Silicon Carbide / Silicon Carbide                                                                                                                                                                                                                                                                                      | Stainless Steel / Carbon            | NBR                   | NBR                    | 7400.P206N/106N | 9630064992 |
|                                                                                                                                                                                                                                                                                                                        |                                     | EPDM                  | EPDM                   | 7400.P206E/106E |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | FPM                   | FPM                    | 7400.P206V/106V |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | PTFE                   | 7400.P206P/106P |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | NBR                    | 7400.P206P/106N |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | EPDM                   | 7400.P206P/106E |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | FPM                    | 7400.P206P/106V |            |
| Silicon Carbide / Silicon Carbide                                                                                                                                                                                                                                                                                      | Silicon Carbide / Silicon Carbide   | NBR                   | NBR                    | 7400.206N/206N  | 9630097671 |
|                                                                                                                                                                                                                                                                                                                        |                                     | EPDM                  | EPDM                   | 7400.206E/206E  |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | FPM                   | FPM                    | 7400.206V/206V  |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | PTFE                   | 7400.206P/206P  |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | NBR                    | 7400.P206P/206N |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | EPDM                   | 7400.P206P/206E |            |
|                                                                                                                                                                                                                                                                                                                        |                                     | PTFE                  | FPM                    | 7400.P206P/206V |            |
| Note: Above are listed the most common seal ring / 'O' ring combinations - for other combinations see p.49.<br>Note: For SRU6 seals where inboard and outboard seals are different, then there is an additional "P" in the part number to distinguish between SRU6 seals and A7-0550 (AP550) and G7-0550 (GP550) seals |                                     |                       |                        |                 |            |
| Description                                                                                                                                                                                                                                                                                                            |                                     | Drg No.               | Qty                    | SRU6            |            |
|                                                                                                                                                                                                                                                                                                                        |                                     |                       |                        | Part No.        | Item No.   |
| Gasket                                                                                                                                                                                                                                                                                                                 |                                     | 75                    | 2                      | 5198.104        | 9630030911 |
| Housing, BSPT                                                                                                                                                                                                                                                                                                          |                                     | 79                    | 2                      | 5265.329A       | 9630028630 |
| Housing, NPT                                                                                                                                                                                                                                                                                                           |                                     |                       |                        | 5265.329B       | 9630047130 |
| Screw                                                                                                                                                                                                                                                                                                                  |                                     | -                     | 4                      | 5990.004        | 9630024589 |

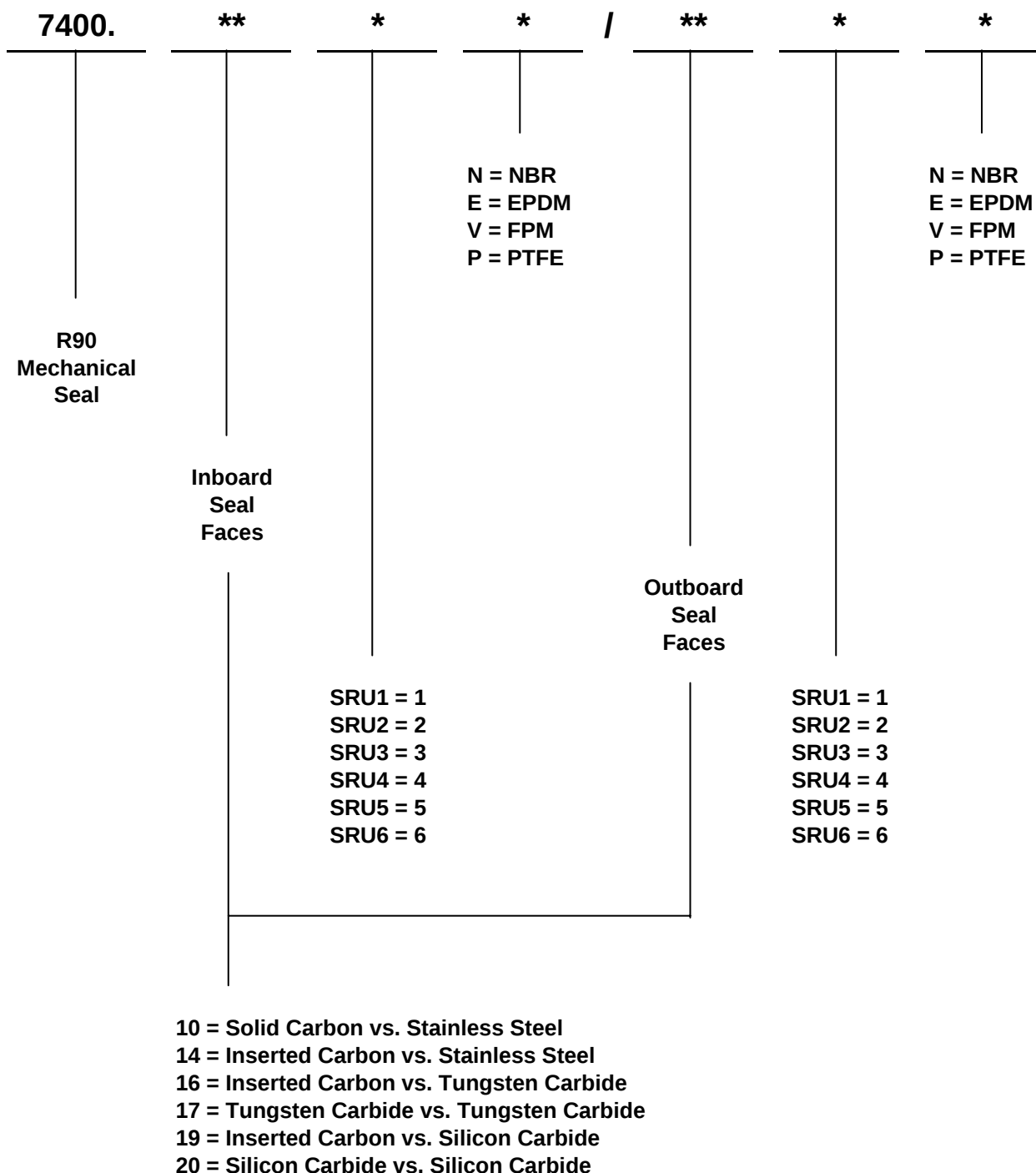


## R90 Double Mechanical Seals (Complete - Part Numbering)

The table below shows how to create the complete seal part number.

### Example: 7400.174V/144V

Double R90 seal with Tungsten Carbide vs. Tungsten Carbide faces inboard with FPM product wetted O' rings and Inserted Carbon vs. Stainless Steel outboard faces with FPM flush wetted 'O' rings for SRU4 pump model.



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| R90 Double Mechanical Seals (Parts) - SRU1 and SRU2 Pump Models                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             |                  |     |           |            |           |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------|-----|-----------|------------|-----------|------------|
| Drg No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Description                                 | Material         | Qty | SRU1      |            | SRU2      |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             |                  |     | Part No   | Item No    | Part No   | Item No    |
| 71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Stationary Seal Ring 'O' Ring               | NBR              | 4   | 5380.214  | 9630028449 | 5380.222  | 9630027299 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             | EPDM             |     | 5380.218  | 9630027782 | 5380.226  | 9630028377 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             | FPM              |     | 5380.216  | 9630028447 | 5380.224  | 9630028379 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             | PTFE             |     | 5380.220  | 9630019763 | 5380.228  | 9630028374 |
| 72                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Stationary Seal Ring (inboard and outboard) | Solid Carbon     | 4   | R5630.066 | 9630026215 | R5630.067 | 9630026164 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             | Inserted Carbon  |     | R5630.060 | 9630025257 | R5630.061 | 9630025258 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             | Tungsten Carbide |     | R5630.072 | 9630029728 | R5630.073 | 9630026168 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             | Silicon Carbide  |     | R5630.078 | 9630026003 | R5630.079 | 9630044552 |
| 73                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Rotary Seal Ring 'O' Ring                   | NBR              | 4   | 5380.213  | 9630028460 | 5380.221  | 9630027301 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             | EPDM             |     | 5380.217  | 9630028446 | 5380.225  | 9630028378 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             | FPM              |     | 5380.215  | 9630028448 | 5380.223  | 9630028380 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             | PTFE             |     | 5380.219  | 9630028382 | 5380.227  | 9630028375 |
| 74A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Rotary Seal Assembly (inboard)              | Stainless Steel  | 2   | R7400.121 | 9630030218 | R5610.080 | 9630025252 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             | Tungsten Carbide |     | R7400.131 | 9630026464 | R5610.086 | 9630026209 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             | Silicon Carbide  |     | R7400.181 | 9630027025 | R5610.092 | 9630044551 |
| 74B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Rotary Seal Assembly (outboard)             | Stainless Steel  | 2   | R5610.079 | 9630025251 | R7400.122 | 9630030219 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             | Tungsten Carbide |     | R5610.085 | 9630030106 | R7400.132 | 9630026570 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             | Silicon Carbide  |     | R5610.091 | 9630027018 | R7400.182 | 9630027024 |
| Note: SRU1 pump - Rotary Seal Assembly Inboard (74A) comprises of rotary seal ring, wave spring (99), washer (98), drive ring (100) and grub screw (78). Rotary Seal Assembly Outboard (74B) comprises of rotary seal ring, wave spring (99) and washer (98).<br>SRU2 pump - Rotary Seal Assembly Inboard (74A) comprises of rotary seal ring, wave spring (99) and washer (98) . Rotary Seal Assembly Outboard (74B) comprises of rotary seal ring, wave spring (99), washer (98) grub screw (78) and drive ring (100). |                                             |                  |     |           |            |           |            |
| 78                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Grub Screw                                  |                  | 6   | 6010.013  | 9630030299 | 6010.013  | 9630030299 |
| 98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Washer                                      |                  | 4   | R6400.061 | 9630045430 | R6400.062 | 9630045431 |
| 99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Wave Spring (see note 1)                    |                  | 4   | R6300.031 | 9630026769 | R6300.032 | 9630026770 |
| 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Drive Ring                                  |                  | 2   | R5620.041 | 9630064227 | R5620.042 | 9630064228 |

Note 1. If PTFE 'O' Rings are fitted it is necessary to use double wave springs for inboard seal only i.e. Qty 6.

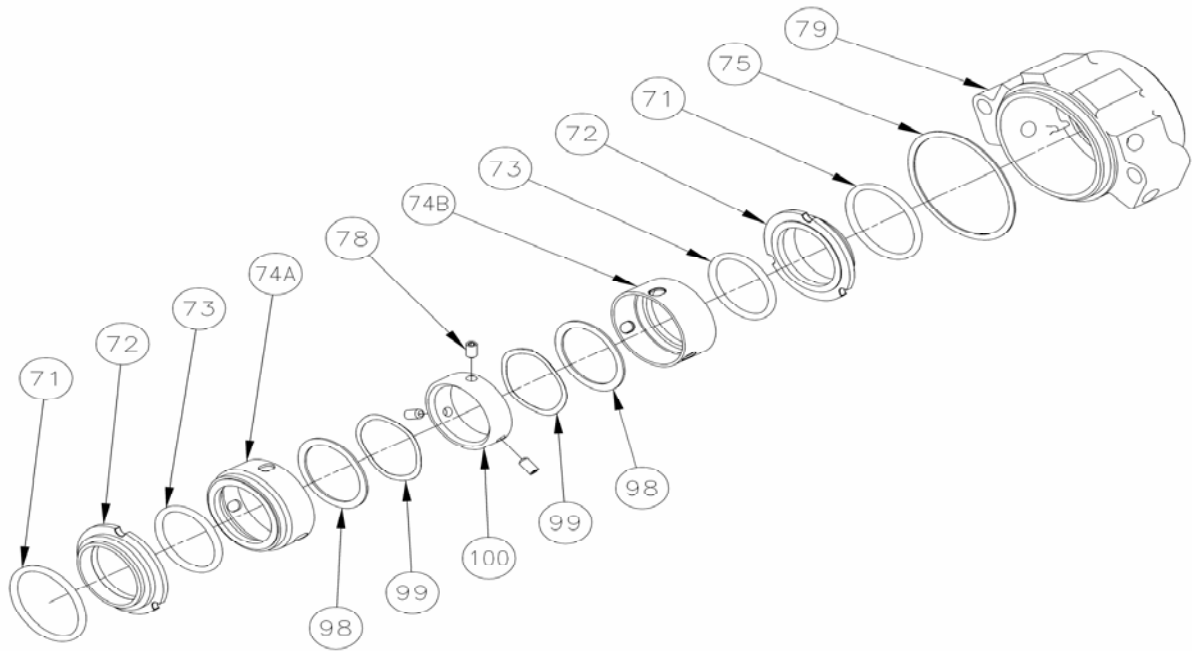
| R90 Double Mechanical Seals (Parts) - SRU3 and SRU4 Pump Models                                                                                                                                                                                   |                                            |                  |     |           |            |           |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------|-----|-----------|------------|-----------|------------|
| Drg No.                                                                                                                                                                                                                                           | Description                                | Material         | Qty | SRU3      |            | SRU4      |            |
|                                                                                                                                                                                                                                                   |                                            |                  |     | Part No   | Item No    | Part No   | Item No    |
| 71                                                                                                                                                                                                                                                | Stationary Seal Ring 'O' Ring              | NBR              | 4   | 5380.230  | 9630028368 | 5380.238  | 9630028260 |
|                                                                                                                                                                                                                                                   |                                            | EPDM             |     | 5380.234  | 9630028321 | 5380.242  | 9630025642 |
|                                                                                                                                                                                                                                                   |                                            | FPM              |     | 5380.232  | 9630028357 | 5380.240  | 9630027472 |
|                                                                                                                                                                                                                                                   |                                            | PTFE             |     | 5380.236  | 9630028266 | 5380.244  | 9630026096 |
| 72                                                                                                                                                                                                                                                | Stationary Seal Ring (inboard or outboard) | Solid Carbon     | 4   | R5630.068 | 9630026163 | R5630.069 | 9630017815 |
|                                                                                                                                                                                                                                                   |                                            | Inserted Carbon  |     | R5630.062 | 9630026162 | R5630.063 | 9630035092 |
|                                                                                                                                                                                                                                                   |                                            | Tungsten Carbide |     | R5630.074 | 9630017810 | R5630.075 | 9630026167 |
|                                                                                                                                                                                                                                                   |                                            | Silicon Carbide  |     | R5630.080 | 9630027021 | R5630.081 | 9630027020 |
| 73                                                                                                                                                                                                                                                | Rotary Seal Ring 'O' Ring                  | NBR              | 4   | 5380.149  | 9630024280 | 5380.237  | 9630028263 |
|                                                                                                                                                                                                                                                   |                                            | EPDM             |     | 5380.093  | 9630024206 | 5380.241  | 9630025646 |
|                                                                                                                                                                                                                                                   |                                            | FPM              |     | 5380.101  | 9630024214 | 5380.239  | 9630021115 |
|                                                                                                                                                                                                                                                   |                                            | PTFE             |     | 5380.123  | 9630024254 | 5380.243  | 9630026094 |
| 74A                                                                                                                                                                                                                                               | Rotary Seal Assembly (inboard)             | Stainless Steel  | 2   | R5610.081 | 9630026160 | R5610.082 | 9630025253 |
|                                                                                                                                                                                                                                                   |                                            | Tungsten Carbide |     | R5610.087 | 9630025255 | R5610.088 | 9630026217 |
|                                                                                                                                                                                                                                                   |                                            | Silicon Carbide  |     | R5610.093 | 9630027017 | R5610.094 | 9630027016 |
| 74B                                                                                                                                                                                                                                               | Rotary Seal Assembly (outboard)            | Stainless Steel  | 2   | R7400.123 | 9630026877 | R7400.124 | 9630026882 |
|                                                                                                                                                                                                                                                   |                                            | Tungsten Carbide |     | R7400.133 | 9630026569 | R7400.134 | 9630026585 |
|                                                                                                                                                                                                                                                   |                                            | Silicon Carbide  |     | R7400.183 | 9630027023 | R7400.184 | 9630045909 |
| Note: Rotary Seal Assembly Inboard (74A) comprises of rotary seal ring, wave spring (99) and washer (98) . Rotary Seal Assembly Outboard (74B) comprises of rotary seal ring, wave spring (99), washer (98) grub screw (78) and drive ring (100). |                                            |                  |     |           |            |           |            |
| 78                                                                                                                                                                                                                                                | Grub Screw                                 |                  | 6   | 6010.013  | 9630030299 | 6010.015  | 9630028475 |
| 98                                                                                                                                                                                                                                                | Washer                                     |                  | 4   | R6400.063 | 9630045432 | R6400.064 | 9630045433 |
| 99                                                                                                                                                                                                                                                | Wave Spring (see note 1)                   |                  | 4   | R6300.033 | 9630022957 | R6300.034 | 9630026228 |
| 100                                                                                                                                                                                                                                               | Drive Ring                                 |                  | 2   | R5620.043 | 9630064229 | R5620.044 | 9630064230 |

Note 1. If PTFE 'O' Rings are fitted it is necessary to use double wave springs for inboard seal only i.e. Qty 6.

| R90 Double Mechanical Seals (Parts) - SRU5 and SRU6 Pump Models                                                                                                                                                                                   |                                            |                  |     |           |            |           |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------|-----|-----------|------------|-----------|------------|
| Drg No.                                                                                                                                                                                                                                           | Description                                | Material         | Qty | SRU5      |            | SRU6      |            |
|                                                                                                                                                                                                                                                   |                                            |                  |     | Part No   | Item No    | Part No   | Item No    |
| 71                                                                                                                                                                                                                                                | Stationary Seal Ring 'O' Ring              | NBR              | 4   | 5380.246  | 9630025417 | 5380.254  | 9630027486 |
|                                                                                                                                                                                                                                                   |                                            | EPDM             |     | 5380.250  | 9630025437 | 5380.258  | 9630029893 |
|                                                                                                                                                                                                                                                   |                                            | FPM              |     | 5380.248  | 9630025398 | 5380.256  | 9630029897 |
|                                                                                                                                                                                                                                                   |                                            | PTFE             |     | 5380.252  | 9630025846 | 5380.260  | 9630029885 |
| 72                                                                                                                                                                                                                                                | Stationary Seal Ring (inboard or outboard) | Solid Carbon     | 4   | R5630.070 | 9630026196 | R5630.071 | 9630029729 |
|                                                                                                                                                                                                                                                   |                                            | Inserted Carbon  |     | R5630.064 | 9630026207 | R5630.065 | 9630026165 |
|                                                                                                                                                                                                                                                   |                                            | Tungsten Carbide |     | R5630.076 | 9630026219 | R5630.077 | 9630026193 |
|                                                                                                                                                                                                                                                   |                                            | Silicon Carbide  |     | R5630.082 | 9630044328 | R5630.083 | 9630027019 |
| 73                                                                                                                                                                                                                                                | Rotary Seal Ring 'O' Ring                  | NBR              | 4   | 5380.245  | 9630026648 | 5380.253  | 9630026625 |
|                                                                                                                                                                                                                                                   |                                            | EPDM             |     | 5380.249  | 9630025314 | 5380.257  | 9630029896 |
|                                                                                                                                                                                                                                                   |                                            | FPM              |     | 5380.247  | 9630025438 | 5380.255  | 9630026693 |
|                                                                                                                                                                                                                                                   |                                            | PTFE             |     | 5380.251  | 9630026704 | 5380.259  | 9630029889 |
| 74A                                                                                                                                                                                                                                               | Rotary Seal Assembly (inboard)             | Stainless Steel  | 2   | R5610.083 | 9630026210 | R5610.084 | 9630025254 |
|                                                                                                                                                                                                                                                   |                                            | Tungsten Carbide |     | R5610.089 | 9630025256 | R5610.090 | 9630026166 |
|                                                                                                                                                                                                                                                   |                                            | Silicon Carbide  |     | R5610.095 | 9630026651 | R5610.096 | 9630026650 |
| 74B                                                                                                                                                                                                                                               | Rotary Seal Assembly (outboard)            | Stainless Steel  | 2   | R7400.125 | 9630026172 | R7400.126 | 9630026449 |
|                                                                                                                                                                                                                                                   |                                            | Tungsten Carbide |     | R7400.135 | 9630026584 | R7400.136 | 9630022294 |
|                                                                                                                                                                                                                                                   |                                            | Silicon Carbide  |     | R7400.185 | 9630027022 | R7400.186 | 9630046520 |
| Note: Rotary Seal Assembly Inboard (74A) comprises of rotary seal ring, wave spring (99) and washer (98) . Rotary Seal Assembly Outboard (74B) comprises of rotary seal ring, wave spring (99), washer (98) grub screw (78) and drive ring (100). |                                            |                  |     |           |            |           |            |
| 78                                                                                                                                                                                                                                                | Grub Screw                                 |                  | 6   | 6010.014  | 9630030300 | 6010.018  | 9630026071 |
| 98                                                                                                                                                                                                                                                | Washer                                     |                  | 4   | R6400.065 | 9630045434 | R6400.066 | 9630045435 |
| 99                                                                                                                                                                                                                                                | Wave Spring (see note 1)                   |                  | 4   | R6300.035 | 9630026208 | -         | -          |
|                                                                                                                                                                                                                                                   | Coil Spring                                |                  | 24  | -         | -          | R6300.036 | 9630026227 |
| 100                                                                                                                                                                                                                                               | Drive Ring                                 |                  | 2   | R5620.045 | 9630064231 | R5620.046 | 9630058823 |

Note 1. If PTFE 'O' Rings are fitted it is necessary to use double wave springs for inboard seal only i.e. Qty 6.

## R90 Double Mechanical Seal - Exploded View Drawing



| Hyclean Single Mechanical Seals (Complete) - SRU1 and SRU2 Pump Models                                |           |           |            |                |            |            |
|-------------------------------------------------------------------------------------------------------|-----------|-----------|------------|----------------|------------|------------|
| 2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement |           |           |            |                |            |            |
| Rotary Seal /<br>Stationary Seal Ring                                                                 | 'O' Rings | SRU1      |            | SRU2           |            |            |
|                                                                                                       |           | Part No.  | Item No.   | Part No.       | Item No.   |            |
| Stainless Steel /<br>Carbon                                                                           | NBR       | 7600.101N | 9630070142 | 7600.102N      | 9630046729 |            |
|                                                                                                       | EPDM      | 7600.101E | 9630053608 | 7600.102E      | 9630046731 |            |
|                                                                                                       | FPM       | 7600.101V | 9630060999 | 7600.102V      | 9630046730 |            |
| Silicon Carbide /<br>Carbon                                                                           | NBR       | 7600.181N | 9630090687 | 7600.182N      | 9630046745 |            |
|                                                                                                       | EPDM      | 7600.181E | 9630090686 | 7600.182E      | 9630046747 |            |
|                                                                                                       | FPM       | 7600.181V | 9630057357 | 7600.182V      | 9630046746 |            |
| Silicon Carbide /<br>Silicon Carbide                                                                  | NBR       | 7600.201N | 9630090685 | 7600.202N      | 9630046758 |            |
|                                                                                                       | EPDM      | 7600.201E | 9630053609 | 7600.202E      | 9630046760 |            |
|                                                                                                       | FPM       | 7600.201V | 9630065312 | 7600.202V      | 9630046759 |            |
| Description                                                                                           | Qty       | SRU1      |            | SRU2           |            |            |
|                                                                                                       |           | Part No.  | Item No.   | Part No.       | Item No.   |            |
| Retaining Clip                                                                                        | 4         | 5087.054  | 9630050761 | 31494.5087.052 | 9630042394 |            |
| Screw, Retaining Clip                                                                                 | 4         | 5990.067  | 9630027365 | 5990.067       | 9630027365 |            |
| Additional parts to convert pump fitted with above Hyclean seals to single flushed seals              |           |           |            |                |            |            |
| Description                                                                                           | Drawing   | Qty       | SRU1       |                | SRU2       |            |
|                                                                                                       | Item No.  |           | Part No.   | Item No.       | Part No.   | Item No.   |
| Conversion kit - BSPT                                                                                 | -         | 1         | 4010.341A  | 9630091231     | 4010.342A  | 9630091233 |
| Conversion kit - NPT                                                                                  | -         |           | 4010.341B  | 9630091232     | 4010.342B  | 9630091234 |
| Conversion kits comprising of:-                                                                       |           |           |            |                |            |            |
| Housing, BSPT                                                                                         | 79        | 2         | 5265.423A  | 9630054246     | 5265.388A  | 9630034722 |
| Housing, NPT                                                                                          |           |           | 5265.423B  | 9630054248     | 5265.388B  | 9630041956 |
| 'O' Ring (FPM)                                                                                        | 87        | 2         | 5380.273   | 9630027378     | 1551.138   | 9630037158 |
| Lip Seal (FPM)                                                                                        | 88        | 2         | 5310.114   | 9630054231     | 5310.107   | 9630043050 |
| Screw, Housing                                                                                        | -         | 4         | 5990.012   | 9630024603     | 5990.011   | 9630024601 |

Note: Retaining clip and screw not required for flushed seals.

| Hyclean Single Mechanical Seals (Complete) - SRU3 and SRU4 Pump Models                                |           |                |            |                |            |            |
|-------------------------------------------------------------------------------------------------------|-----------|----------------|------------|----------------|------------|------------|
| 2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement |           |                |            |                |            |            |
| Rotary Seal /<br>Stationary Seal Ring                                                                 | 'O' Rings | SRU3           |            | SRU4           |            |            |
|                                                                                                       |           | Part No.       | Item No.   | Part No.       | Item No.   |            |
| Stainless Steel /<br>Carbon                                                                           | NBR       | 7600.103N      | 9630046733 | 7600.104N      | 9630046737 |            |
|                                                                                                       | EPDM      | 7600.103E      | 9630046735 | 7600.104E      | 9630046741 |            |
|                                                                                                       | FPM       | 7600.103V      | 9630046734 | 7600.104V      | 9630046740 |            |
| Silicon Carbide /<br>Carbon                                                                           | NBR       | 7600.183N      | 9630046749 | 7600.184N      | 9630046752 |            |
|                                                                                                       | EPDM      | 7600.183E      | 9630046751 | 7600.184E      | 9630046754 |            |
|                                                                                                       | FPM       | 7600.183V      | 9630046750 | 7600.184V      | 9630046753 |            |
| Silicon Carbide /<br>Silicon Carbide                                                                  | NBR       | 7600.203N      | 9630046761 | 7600.204N      | 9630046765 |            |
|                                                                                                       | EPDM      | 7600.203E      | 9630046763 | 7600.204E      | 9630046767 |            |
|                                                                                                       | FPM       | 7600.203V      | 9630046762 | 7600.204V      | 9630046766 |            |
| Description                                                                                           | Qty       | SRU3           |            | SRU4           |            |            |
|                                                                                                       |           | Part No.       | Item No.   | Part No.       | Item No.   |            |
| Retaining Clip                                                                                        | 4         | 31495.5087.053 | 9630042396 | 31495.5087.053 | 9630042396 |            |
| Screw, Retaining Clip                                                                                 | 4         | 5990.064       | 9630042399 | 5990.064       | 9630042399 |            |
| Additional parts to convert pump fitted with above Hyclean seals to single flushed seals              |           |                |            |                |            |            |
| Description                                                                                           | Drawing   | Qty            | SRU3       |                | SRU4       |            |
|                                                                                                       | Item No.  |                | Part No.   | Item No.       | Part No.   | Item No.   |
| Conversion kit - BSPT                                                                                 | -         | 1              | 4010.343A  | 9630091235     | 4010.344A  | 9630091237 |
| Conversion kit - NPT                                                                                  | -         |                | 4010.343B  | 9630091236     | 4010.344B  | 9630091238 |
| Conversion kits comprising of:-                                                                       |           |                |            |                |            |            |
| Housing, BSPT                                                                                         | 79        | 2              | 5265.389A  | 9630042563     | 5265.390A  | 9630029496 |
| Housing, NPT                                                                                          |           |                | 5265.389B  | 9630042326     | 5265.390B  | 9630042327 |
| 'O' Ring (FPM)                                                                                        | 87        | 2              | 5380.399   | 9630043058     | 5380.403   | 9630043060 |
| Lip Seal (FPM)                                                                                        | 88        | 2              | 5310.027   | 9630024046     | 5310.109   | 9630043052 |
| Screw, Housing                                                                                        | -         | 4              | 5990.066   | 9630028936     | 5990.066   | 9630028936 |

Note: Retaining clip and screw not required for flushed seals.

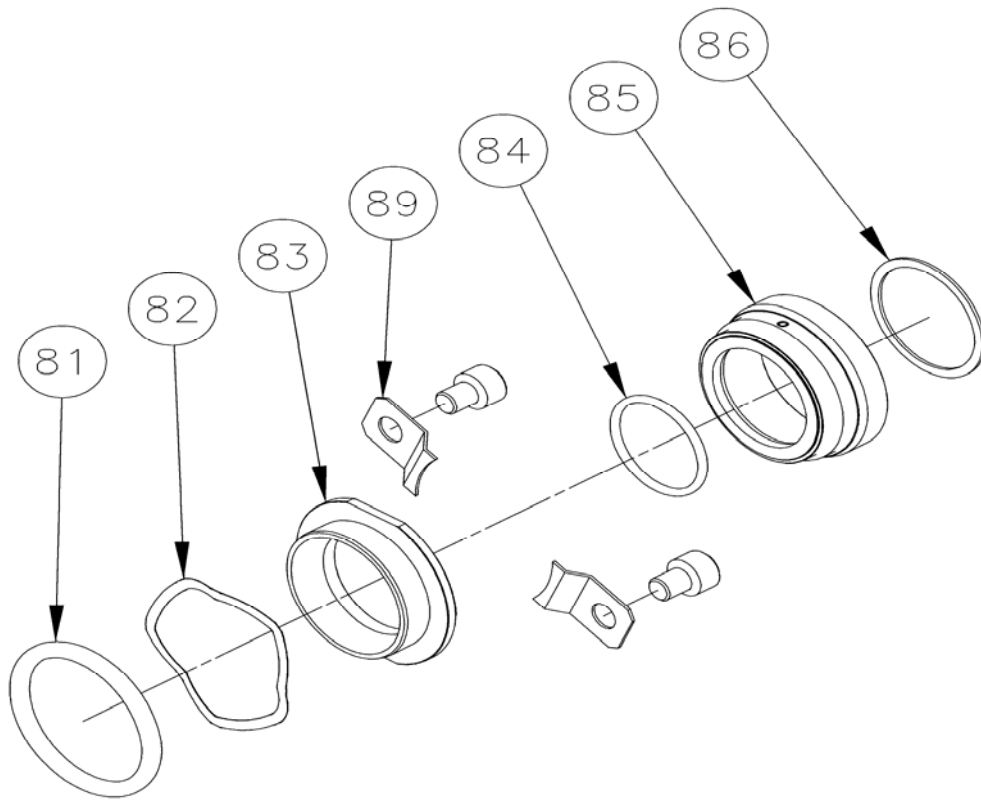
| Hyclean Single Mechanical Seals (Complete) - SRU5 and SRU6 Pump Models                                |           |                |            |                |            |            |
|-------------------------------------------------------------------------------------------------------|-----------|----------------|------------|----------------|------------|------------|
| 2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement |           |                |            |                |            |            |
| Rotary Seal /<br>Stationary Seal Ring                                                                 | 'O' Rings | SRU5           |            | SRU6           |            |            |
|                                                                                                       |           | Part No.       | Item No.   | Part No.       | Item No.   |            |
| Stainless Steel /<br>Carbon                                                                           | NBR       | 7600.105N      | 9630046738 | 7600.106N      | 9630053215 |            |
|                                                                                                       | EPDM      | 7600.105E      | 9630046744 | 7600.106E      | 9630041719 |            |
|                                                                                                       | FPM       | 7600.105V      | 9630046743 | 7600.106V      | 9630030780 |            |
| Silicon Carbide /<br>Carbon                                                                           | NBR       | 7600.185N      | 9630046755 | 7600.186N      | 9630090689 |            |
|                                                                                                       | EPDM      | 7600.185E      | 9630046757 | 7600.186E      | 9630041729 |            |
|                                                                                                       | FPM       | 7600.185V      | 9630046756 | 7600.186V      | 9630057267 |            |
| Silicon Carbide /<br>Silicon Carbide                                                                  | NBR       | 7600.205N      | 9630046769 | 7600.206N      | 9630060539 |            |
|                                                                                                       | EPDM      | 7600.205E      | 9630046771 | 7600.206E      | 9630041720 |            |
|                                                                                                       | FPM       | 7600.205V      | 9630046770 | 7600.206V      | 9630049360 |            |
| Description                                                                                           | Qty       | SRU5           |            | SRU6           |            |            |
|                                                                                                       |           | Part No.       | Item No.   | Part No.       | Item No.   |            |
| Retaining Clip                                                                                        | 4         | 31495.5087.053 | 9630042396 | 31495.5087.053 | 9630042396 |            |
| Screw, Retaining Clip                                                                                 | 4         | 5990.064       | 9630042399 | 5990.064       | 9630042399 |            |
| Additional parts to convert pump fitted with above Hyclean seals to single flushed seals              |           |                |            |                |            |            |
| Description                                                                                           | Drawing   | Qty            | SRU5       |                | SRU6       |            |
|                                                                                                       | Item No.  |                | Part No.   | Item No.       | Part No.   | Item No.   |
| Conversion kit - BSPT                                                                                 | -         | 1              | 4010.345A  | 9630091239     | 4010.346A  | 9630091241 |
| Conversion kit - NPT                                                                                  | -         |                | 4010.345B  | 9630091240     | 4010.346B  | 9630091242 |
| Conversion kits comprising of:-                                                                       |           |                |            |                |            |            |
| Housing, BSPT                                                                                         | 79        | 2              | 5265.391A  | 9630042118     | 5265.411A  | 9630050398 |
| Housing, NPT                                                                                          |           |                | 5265.391B  | 9630042121     | 5265.411B  | 9630049929 |
| 'O' Ring (FPM)                                                                                        | 87        | 2              | 5380.407   | 9630043063     | 5380.292   | 9630031929 |
| Lip Seal (FPM)                                                                                        | 88        | 2              | 5310.052   | 9630028335     | 5310.068   | 9630032804 |
| Screw, Housing                                                                                        | -         | 4              | 5990.034   | 9630024635     | -          | -          |
| Stud                                                                                                  | -         | 4              | -          | -              | 6350.105   | 9630027485 |
| Nut                                                                                                   | -         | 4              | -          | -              | 5330.000   | 9630024051 |
| Washer                                                                                                | -         | 4              | -          | -              | 6400.037   | 9630024233 |

Note: Retaining clip and screw not required for flushed seals.

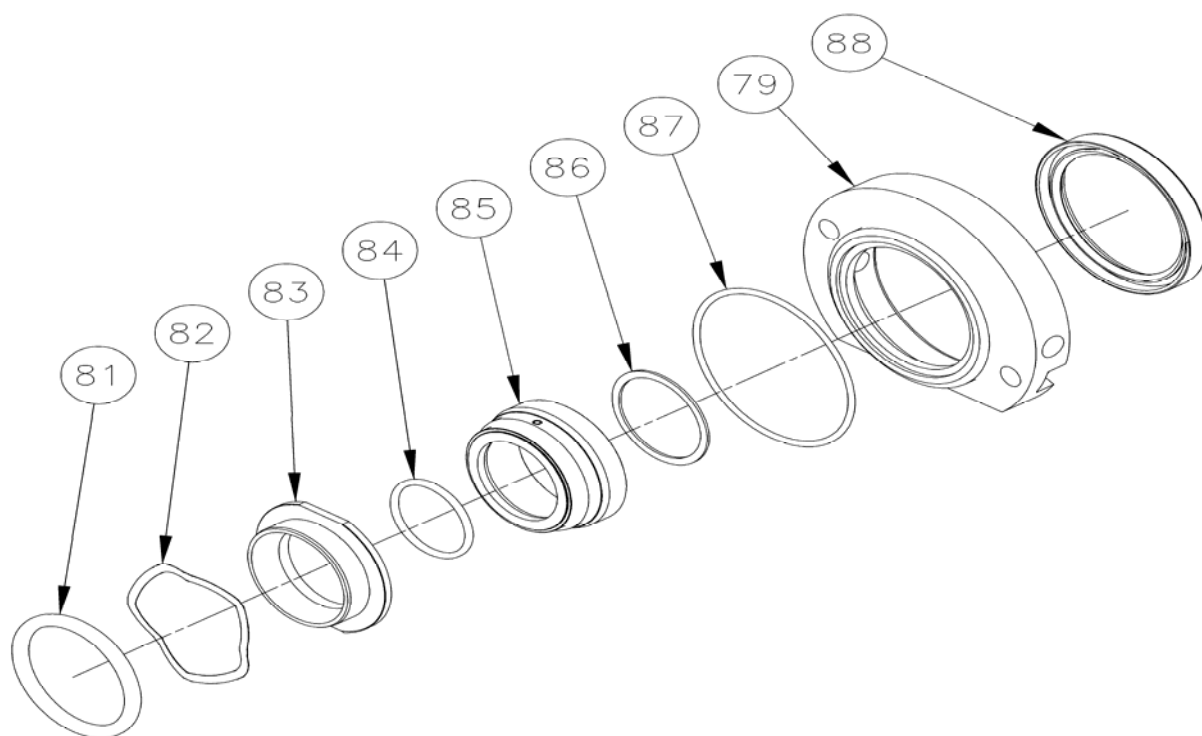
| Hyclean Single Mechanical Seals (Parts) - SRU Pump Models |                      |                                                      |     |              |            |              |            |
|-----------------------------------------------------------|----------------------|------------------------------------------------------|-----|--------------|------------|--------------|------------|
| Drg No.                                                   | Description          | Material                                             | Qty | SRU1         |            | SRU2         |            |
|                                                           |                      |                                                      |     | Part No      | Item No    | Part No      | Item No    |
| 81                                                        | Rotorcase 'O' Ring   | NBR<br>EPDM<br>FPM                                   | 2   | 1550.320     | 9630050800 | 31494.5001.1 | 9630042759 |
|                                                           |                      |                                                      |     | 1555.320     | 9630050799 | 31494.5001.5 | 9630042761 |
|                                                           |                      |                                                      |     | 1551.320     | 9630050801 | 31494.5001.2 | 9630042760 |
| 82                                                        | Wave Spring          |                                                      | 2   | R6300.039    | 9630050798 | 31494.0508.1 | 9630042767 |
| 83                                                        | Stationary Seal Ring | Solid Carbon<br>Silicon Carbide<br>Inserted Sil.Car. | 2   | R5630.092    | 9630031237 | 31494.0501.2 | 9630029349 |
|                                                           |                      |                                                      |     | R5630.093    | 9630023183 | 31494.0501.3 | 9630029474 |
|                                                           |                      |                                                      |     | -            | -          | 31494.0501.9 | 9630057066 |
| 84                                                        | Shaft 'O' Ring       | NBR<br>EPDM<br>FPM                                   | 2   | 1550.114     | 9630023345 | 1550.121     | 9630019400 |
|                                                           |                      |                                                      |     | 1555.114     | 9630023526 | 1555.121     | 9630025331 |
|                                                           |                      |                                                      |     | 1551.114     | 9630023406 | 1551.121     | 9630019399 |
| 85                                                        | Rotary Seal Ring     | Stainless Steel<br>Silicon Carbide                   | 2   | R5610.101    | 9630031240 | 31494.0506.1 | 9630042757 |
|                                                           |                      |                                                      |     | R5610.102    | 9630031241 | 31494.0506.3 | 9630042758 |
| 86                                                        | Washer               | NBR<br>FPM                                           | 2   | 6400.086     | 9630050796 | 6400.069     | 9630046535 |
|                                                           |                      |                                                      |     | 6400.087     | 9630050797 | 6400.073     | 9630046695 |
| Drg No.                                                   | Description          | Material                                             | Qty | SRU3         |            | SRU4         |            |
|                                                           |                      |                                                      |     | Part No      | Item No    | Part No      | Item No    |
| 81                                                        | Rotorcase 'O' Ring   | NBR<br>EPDM<br>FPM                                   | 2   | 31495.5001.1 | 9630042771 | 31496.5001.1 | 9630042786 |
|                                                           |                      |                                                      |     | 31495.5001.5 | 9630042773 | 31496.5001.5 | 9630042788 |
|                                                           |                      |                                                      |     | 31495.5001.2 | 9630042772 | 31496.5001.2 | 9630042787 |
| 82                                                        | Wave Spring          |                                                      | 2   | 31495.0508.1 | 9630042780 | 31496.0508.1 | 9630042794 |
| 83                                                        | Stationary Seal Ring | Solid Carbon<br>Silicon Carbide<br>Inserted Sil.Car. | 2   | 31495.0501.2 | 9630037760 | 31496.0501.2 | 9630025796 |
|                                                           |                      |                                                      |     | 31495.0501.3 | 9630042768 | 31496.0501.3 | 9630042783 |
|                                                           |                      |                                                      |     | 31495.0501.9 | 9630056418 | 31496.0501.9 | 9630052311 |
| 84                                                        | Shaft 'O' Ring       | NBR<br>EPDM<br>FPM                                   | 2   | 1550.124     | 9630046505 | 1550.131     | 9630023353 |
|                                                           |                      |                                                      |     | 1555.124     | 9630046509 | 1555.131     | 9630023531 |
|                                                           |                      |                                                      |     | 1551.124     | 9630046508 | 1551.131     | 9630023418 |
| 85                                                        | Rotary Seal Ring     | Stainless Steel<br>Silicon Carbide                   | 2   | 31495.0506.1 | 9630042769 | 31496.0506.1 | 9630042784 |
|                                                           |                      |                                                      |     | 31495.0506.3 | 9630042770 | 31496.0506.3 | 9630042785 |
| 86                                                        | Washer               | NBR<br>FPM                                           | 2   | 6400.070     | 9630046536 | 6400.071     | 9630046537 |
|                                                           |                      |                                                      |     | 6400.074     | 9630046696 | 6400.075     | 9630046697 |
| Drg No.                                                   | Description          | Material                                             | Qty | SRU5         |            | SRU6         |            |
|                                                           |                      |                                                      |     | Part No      | Item No    | Part No      | Item No    |
| 81                                                        | Rotorcase 'O' Ring   | NBR<br>EPDM<br>FPM                                   | 2   | 31497.5001.1 | 9630042799 | 1550.339     | 9630048174 |
|                                                           |                      |                                                      |     | 31497.5001.5 | 9630042801 | 1555.339     | 9630030198 |
|                                                           |                      |                                                      |     | 31497.5001.2 | 9630042800 | 1551.339     | 9630048175 |
| 82                                                        | Wave Spring          |                                                      | 2   | 31497.0508.1 | 9630042807 | 31498.0508.1 | 9630048005 |
| 83                                                        | Stationary Seal Ring | Solid Carbon<br>Silicon Carbide<br>Inserted Sil.Car. | 2   | 31497.0501.2 | 9630039819 | 31498.0501.2 | 9630047980 |
|                                                           |                      |                                                      |     | 31497.0501.3 | 9630042795 | -            | -          |
|                                                           |                      |                                                      |     | 31497.0501.9 | 9630052312 | 31498.0501.3 | 9630048002 |
| 84                                                        | Shaft 'O' Ring       | NBR<br>EPDM<br>FPM                                   | 2   | 1550.137     | 9630046511 | 5380.246     | 9630025417 |
|                                                           |                      |                                                      |     | 1555.137     | 9630046514 | 5380.250     | 9630025437 |
|                                                           |                      |                                                      |     | 1551.137     | 9630046513 | 5380.248     | 9630025398 |
| 85                                                        | Rotary Seal Ring     | Stainless Steel<br>Silicon Carbide                   | 2   | 31497.0506.1 | 9630042797 | 31498.0506.1 | 9630048004 |
|                                                           |                      |                                                      |     | 31497.0506.3 | 9630042798 | 31498.0506.3 | 9630048003 |
| 86                                                        | Washer               | NBR<br>FPM                                           | 2   | 6400.072     | 9630046538 | 6400.079     | 9630048006 |
|                                                           |                      |                                                      |     | 6400.076     | 9630046698 | 6400.080     | 9630048007 |



## Hyclean Mechanical Seal - Exploded View Drawing



## Hyclean Flushed Mechanical Seal - Exploded View Drawing



### Packed Gland Seals - Pump Models SRU1 to SRU4

All SRU pumps are fitted with 10 packing rings (i.e.5 per shaft) except SRU1, which has 8 packing rings (i.e. 4 per shaft). If a lantern ring is fitted, this replaces 1 packing ring on each shaft.

| Drg<br>No. | Description              |            | Qty | SRU1       |            | SRU2      |            |
|------------|--------------------------|------------|-----|------------|------------|-----------|------------|
|            |                          |            |     | Part No    | Item No    | Part No   | Item No    |
| 1          | Shaft Sleeve 'O'<br>Ring | NBR        | 2   | 5380.316   | 9630034652 | 5380.052  | 9630024180 |
|            |                          | EPDM       |     | 5380.416   | 9630043405 | 5380.417  | 9630043406 |
|            |                          | FPM        |     | 5380.319   | 9630034859 | 5380.053  | 9630024181 |
|            |                          | PTFE       |     | 5380.320   | 9630034860 | 5380.283  | 9630031603 |
| 2          | Shaft Sleeve             | St. Stl.   | 2   | 6200.220   | 9630030335 | 6200.204  | 9630032656 |
|            |                          | Hardened   |     | 6200.168   | 9630034852 | 6200.169  | 9630031521 |
| 3          | Spacer                   |            | 2   | 5670.080   | 9630034857 | 5670.081  | 9630031533 |
| 4          | Gland Packing            | Polyamide  | 10  | 5240.061   | 9630034863 | 5240.062  | 9630025189 |
|            |                          | PTFE       |     | 5240.071   | 9630034864 | 5240.072  | 9630021041 |
| 5          | Lantern Ring (if fitted) |            | 2   | 5650.024   | 9630034869 | 5650.019  | 9630031639 |
| 6          | Gasket                   |            | 1   | 5198.201   | 9630062179 | -         | -          |
|            |                          |            | 2   | -          | -          | 5198.100  | 9630031523 |
| 7          | Housing                  | Unflushed  | 2   | 5235.014   | 9630034843 | 5235.016  | 9630031527 |
|            |                          | Flush BSPT |     | 5235.014AA | 9630101726 | 5235.016A | 9630031529 |
|            |                          | Flush NPT  |     | 5335.014BA | 9630101727 | 5335.016B | 9630032351 |
| 8          | Gland Follower           |            | 2   | 5230.070   | 9630033379 | 5230.053  | 9630031525 |
| 9          | Slinger                  |            | 2   | 5665.029   | 9630034858 | 5665.023  | 9630031784 |
| 10         | Screw                    |            | 6   | 6010.011   | 9630024658 | 6010.019  | 9630026007 |
|            | Nut                      |            | 4   | 5330.036   | 9630058700 | 5330.035  | 9630058699 |
|            | Stud                     |            | 4   | 6350.115   | 9630034862 | 6350.103  | 9630027364 |

| Drg No. | Description                 |            | Qty | SRU3      |            | SRU4      |            |
|---------|-----------------------------|------------|-----|-----------|------------|-----------|------------|
|         |                             |            |     | Part No   | Item No    | Part No   | Item No    |
| 1       | Shaft Sleeve 'O' Ring       | NBR        | 2   | 5380.021  | 9630024120 | 5380.030  | 9630024129 |
|         |                             | EPDM       |     | 5380.415  | 9630043403 | 5380.410  | 9630043109 |
|         |                             | FPM        |     | 5380.019  | 9630024118 | 5380.275  | 9630026743 |
|         |                             | PTFE       |     | 5380.284  | 9630031604 | 5380.285  | 9630031605 |
| 2       | Shaft Sleeve                | St. Stl.   | 2   | 6200.212  | 9630033149 | 6200.239  | 9630041933 |
|         |                             | Hardened   |     | 6200.213  | 9630033145 | 6200.171  | 9630031339 |
| 3       | Spacer                      |            | 2   | 5670.082  | 9630031469 | 5670.083  | 9630031353 |
| 4       | Gland Packing               | Polyamide  | 10  | 5240.063  | 9630025390 | 5240.064  | 9630025439 |
|         |                             | PTFE       |     | 5240.073  | 9630026753 | 5240.074  | 9630021042 |
| 5       | Lantern Ring (if fitted)    |            | 2   | 5650.020  | 9630031640 | 5650.021  | 9630031641 |
| 6       | Gasket                      |            | 2   | 5198.101  | 9630021471 | 5198.102  | 9630031351 |
| 7       | Housing                     | Unflushed  | 2   | 5235.018  | 9630031463 | 5235.020  | 9630031343 |
|         |                             | Flush BSPT |     | 5235.018A | 9630031465 | 5235.020A | 9630031345 |
|         |                             | Flush NPT  |     | 5335.018B | 9630032353 | 5335.020B | 9630023254 |
| 8       | Gland Follower              |            | 2   | 5230.054  | 9630031467 | -         | -          |
| 8a      | Split Gland Follower        |            | 4   | -         | -          | 5230.080  | 9630051586 |
| 8b      | Split Gland Follower Plate  |            | 4   | -         | -          | 5230.087  | 9630051619 |
| 8c      | Screw, Split Gland Follower |            | 4   | -         | -          | 5990.061  | 9630040714 |
| 9       | Slinger                     |            | 2   | 5665.024  | 9630031797 | 5665.025  | 9630031798 |
| 10      | Screw                       |            | 2   | 6010.019  | 9630026007 | 6010.019  | 9630026007 |
|         | Nut                         |            | 4   | 5330.035  | 9630058699 | 5330.033  | 9630025350 |
|         | Stud                        |            | 4   | 6350.144  | 9630058750 | 6350.125  | 9630042574 |



### Packed Gland Seals - Pump Models SRU5 and SRU6

All SRU pumps are fitted with 10 packing rings (i.e.5 per shaft) except SRU1, which has 8 packing rings (i.e. 4 per shaft). If a lantern ring is fitted, this replaces 1 packing ring on each shaft.

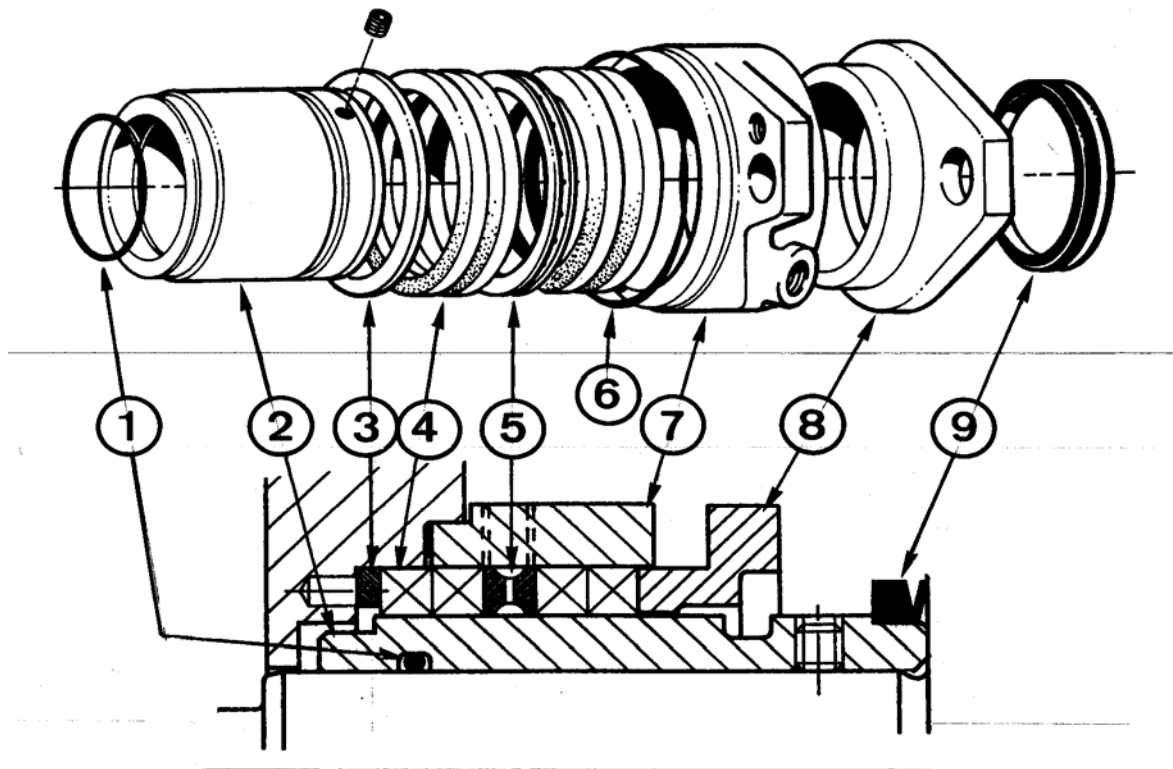
| Drg<br>No. | Description                 | Qty | SRU5     |            | SRU6       |            |            |
|------------|-----------------------------|-----|----------|------------|------------|------------|------------|
|            |                             |     | Part No  | Item No    | Part No    | Item No    |            |
| 1          | Shaft Sleeve 'O'<br>Ring    | 2   |          | 5380.076   | 9630024193 | 5380.136   | 9630024267 |
|            |                             |     |          | 5380.198   | 9630025794 | 5380.134   | 9630024265 |
|            |                             |     |          | 5380.077   | 9630024194 | 5380.158   | 9630024289 |
|            |                             |     |          | 5380.192   | 9630024367 | 5380.165   | 9630024337 |
| 2          | Shaft Sleeve                | 2   | 6200.172 | 9630031081 | 6200.173   | 9630030928 |            |
| 3          | Spacer                      | 2   | 5670.084 | 9630031087 | 5670.085   | 9630030926 |            |
| 4          | Gland Packing               | 10  |          | 5240.065   | 9630025915 | 5240.066   | 9630021037 |
|            |                             |     |          | 5240.075   | 9630026564 | 5240.076   | 9630026406 |
| 5          | Lantern Ring (if fitted)    | 2   | 5650.022 | 9630031642 | 5650.023   | 9630031643 |            |
| 6          | Gasket                      | 2   | 5198.103 | 9630031077 | 5198.104   | 9630030911 |            |
| 7          | Housing                     | 2   |          | 5235.022   | 9630031061 | 5235.024   | 9630030918 |
|            |                             |     |          | 5235.022A  | 9630031063 | 5235.024A  | 9630030936 |
|            |                             |     |          | 5335.022B  | 9630032355 | 5335.024B  | 9630032356 |
| 8a         | Split Gland Follower        | 4   | 5230.078 | 9630051180 | 5230.082   | 9630052130 |            |
| 8b         | Split Gland Follower Plate  | 4   | 5230.088 | 9630052140 | 5230.089   | 9630052134 |            |
| 8c         | Screw, Split Gland Follower | 4   | 5990.061 | 9630040714 | 5990.074   | 9630051541 |            |
| 9          | Slinger                     | 2   | 5665.027 | 9630031800 | 5665.028   | 9630031801 |            |
| 10         | Screw                       | 6   | 6010.014 | 9630030300 | 6010.014   | 9630030300 |            |
|            | Nut                         | 4   | 5330.033 | 9630025350 | 5330.033   | 9630025350 |            |
|            | Stud                        | 4   | 6350.107 | 9630028904 | 6350.108   | 9630028906 |            |



**CSI**

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# Packed Gland Seal - Exploded View Drawing



**CSI**

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| Pressure Relief Valve (Complete) - SRU Pump Models                                                               |              |            |              |            |              |            |
|------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|------------|--------------|------------|
| Complete assembly includes rotorcase cover.<br>For elastomers required: N = NBR, E = EPDM, V = FPM and P = PTFE. |              |            |              |            |              |            |
| Valve type                                                                                                       | SRU1         |            | SRU2         |            | SRU3         |            |
|                                                                                                                  | Part No.     | Item No.   | Part No.     | Item No.   | Part No.     | Item No.   |
| Std pressure<br>< 12 bar (SRU1)<br>< 10 bar (2-3)                                                                | 4083.001N    | 9630032548 | 4083.002N    | 9630032550 | 4083.003N    | 9630032551 |
|                                                                                                                  | 4083.001E    | 9630047160 | 4083.002E    | 9630027296 | 4083.003E    | 9630043291 |
|                                                                                                                  | 4083.001V    | 9630032549 | 4083.002V    | 9630033115 | 4083.003V    | 9630033119 |
|                                                                                                                  | 4083.001P    | 9630034307 | 4083.002P    | 9630034216 | 4083.003P    | 9630034567 |
| High pressure<br>> 12 bar (SRU1)<br>> 10 bar (2-3)                                                               | 4083.001N/HP | 9630045539 | 4083.002N/HP | 9630024964 | 4083.003N/HP | 9630048177 |
|                                                                                                                  | 4083.001E/HP | 9630047618 | 4083.002E/HP | 9630024957 | 4083.003E/HP | 9630045905 |
|                                                                                                                  | 4083.001V/HP | 9630037687 | 4083.002V/HP | 9630045997 | 4083.003V/HP | 9630045609 |
|                                                                                                                  | 4083.001P/HP | 9630047617 | 4083.002P/HP | 9630024959 | 4083.003P/HP | 9630048178 |
| Std pressure<br>< 12 bar (SRU1)<br>< 10 bar (2-3) with<br>lever lift                                             | 4083.101N    | 9630044546 | 4083.102N    | 9630045082 | 4083.103N    | 9630046971 |
|                                                                                                                  | 4083.101E    | 9630091243 | 4083.102E    | 9630046972 | 4083.103E    | 9630046973 |
|                                                                                                                  | 4083.101V    | 9630091244 | 4083.102V    | 9630059453 | 4083.103V    | 9630026838 |
|                                                                                                                  | 4083.101P    | 9630091245 | 4083.102P    | 9630091250 | 4083.103P    | 9630091255 |
| High pressure<br>> 12 bar (SRU1)<br>> 10 bar (2-3)<br>with lever lift                                            | 4083.101N/HP | 9630091246 | 4083.102N/HP | 9630091251 | 4083.103N/HP | 9630091256 |
|                                                                                                                  | 4083.101E/HP | 9630091247 | 4083.102E/HP | 9630091252 | 4083.103E/HP | 9630091257 |
|                                                                                                                  | 4083.101V/HP | 9630091248 | 4083.102V/HP | 9630091253 | 4083.103V/HP | 9630091258 |
|                                                                                                                  | 4083.101P/HP | 9630091249 | 4083.102P/HP | 9630091254 | 4083.103P/HP | 9630091259 |

| Valve type                                   | SRU4         |            | SRU5         |            |
|----------------------------------------------|--------------|------------|--------------|------------|
|                                              | Part No.     | Item No.   | Part No.     | Item No.   |
| Std pressure<br>< 10 bar                     | 4083.004N    | 9630032552 | 4083.005N    | 9630032553 |
|                                              | 4083.004E    | 9630039307 | 4083.005E    | 9630045541 |
|                                              | 4083.004V    | 9630033120 | 4083.005V    | 9630033128 |
|                                              | 4083.004P    | 9630034189 | 4083.005P    | 9630045590 |
| High pressure<br>> 10 bar                    | 4083.004N/HP | 9630033094 | 4083.005N/HP | 9630047693 |
|                                              | 4083.004E/HP | 9630031450 | 4083.005E/HP | 9630047692 |
|                                              | 4083.004V/HP | 9630037120 | 4083.005V/HP | 9630029103 |
|                                              | 4083.004P/HP | 9630030615 | 4083.005P/HP | 9630045543 |
| Std pressure<br>< 10 bar<br>with lever lift  | 4083.104N    | 9630091260 | 4083.105N    | 9630091265 |
|                                              | 4083.104E    | 9630046974 | 4083.105E    | 9630091266 |
|                                              | 4083.104V    | 9630075494 | 4083.105V    | 9630047273 |
|                                              | 4083.104P    | 9630042755 | 4083.105P    | 9630042284 |
| High pressure<br>> 10 bar<br>with lever lift | 4083.104N/HP | 9630091261 | 4083.105N/HP | 9630091267 |
|                                              | 4083.104E/HP | 9630091262 | 4083.105E/HP | 9630091268 |
|                                              | 4083.104V/HP | 9630091263 | 4083.105V/HP | 9630091269 |
|                                              | 4083.104P/HP | 9630091264 | 4083.105P/HP | 9630091270 |

| Valve type | SRU6 standard |            | SRU6 with lever lift |            |
|------------|---------------|------------|----------------------|------------|
|            | Part No.      | Item No.   | Part No.             | Item No.   |
| < 7 bar    | 4083.006N     | 9630032554 | 4083.106N            | 9630091272 |
|            | 4083.006E     | 9630057151 | 4083.106E            | 9630055893 |
|            | 4083.006V     | 9630033133 | 4083.106V            | 9630054329 |
|            | 4083.006P     | 9630042269 | 4083.106P            | 9630042271 |
| < 10 bar   | 4083.006N/ME  | 9630045542 | 4083.106N/ME         | 9630091273 |
|            | 4083.006E/ME  | 9630025005 | 4083.106E/ME         | 9630091274 |
|            | 4083.006V/ME  | 9630046886 | 4083.106V/ME         | 9630091275 |
|            | 4083.006P/ME  | 9630022269 | 4083.106P/ME         | 9630091276 |
| < 15 bar   | 4083.006N/HP  | 9630038272 | 4083.106N/HP         | 9630091277 |
|            | 4083.006E/HP  | 9630058067 | 4083.106E/HP         | 9630091278 |
|            | 4083.006V/HP  | 9630045807 | 4083.106V/HP         | 9630091279 |
|            | 4083.006P/HP  | 9630048700 | 4083.106P/HP         | 9630091280 |
| < 18 bar   | 4083.006N/HP1 | 9630049002 | 4083.106N/HP1        | 9630091281 |
|            | 4083.006E/HP1 | 9630062101 | 4083.106E/HP1        | 9630091282 |
|            | 4083.006V/HP1 | 9630036122 | 4083.106V/HP1        | 9630091283 |
|            | 4083.006P/HP1 | 9630091271 | 4083.106P/HP1        | 9630091284 |

| Pressure Relief Valve (Parts) - SRU1 to SRU5 Pump Models |                                  |                         |     |          |            |          |            |
|----------------------------------------------------------|----------------------------------|-------------------------|-----|----------|------------|----------|------------|
| Drg No.                                                  | Description                      |                         | Qty | SRU1-3   |            | SRU4-5   |            |
|                                                          |                                  |                         |     | Part No  | Item No    | Part No  | Item No    |
| 1                                                        | Rotorcase cover                  | SRU1                    | 1   | 5131.093 | 9630026292 | -        | -          |
|                                                          |                                  | SRU2                    |     | 5131.094 | 9630026902 | -        | -          |
|                                                          |                                  | SRU3                    |     | 5131.095 | 9630026356 | -        | -          |
|                                                          |                                  | SRU4                    |     | -        | -          | 5131.096 | 9630028799 |
|                                                          |                                  | SRU5                    |     | -        | -          | 5131.097 | 9630028797 |
| 2                                                        | Hydraulic Piston                 | SRU1                    | 1   | 6130.035 | 9630047336 | -        | -          |
|                                                          |                                  | SRU2                    |     | 6130.036 | 9630047338 | -        | -          |
|                                                          |                                  | SRU3                    |     | 6130.037 | 9630047340 | -        | -          |
|                                                          |                                  | SRU4                    |     | -        | -          | 6130.038 | 9630047649 |
|                                                          |                                  | SRU5                    |     | -        | -          | 6130.039 | 9630047651 |
| 3                                                        | 'O' Ring, Hydraulic Piston       | NBR                     | 1   | 5380.030 | 9630024129 | 5380.028 | 9630024127 |
|                                                          |                                  | EPDM                    |     | 5380.410 | 9630043109 | 5380.411 | 9630043110 |
|                                                          |                                  | FPM                     |     | 5380.275 | 9630027643 | 5380.035 | 9630024131 |
|                                                          |                                  | PTFE                    |     | 5380.285 | 9630031605 | 5380.303 | 9630032248 |
| 4                                                        | Valve Pin                        |                         | 1   | 5170.027 | 9630026075 | 5170.028 | 9630031806 |
| 5                                                        | Shim set                         | St. Stl.                | 1   | 6150.323 | 9630101745 | 6150.324 | 9630101746 |
| 6                                                        | Backstop disc                    |                         | 1   | 5135.009 | 9630027707 | 5135.010 | 9630031804 |
| 7                                                        | 'O' Ring (NBR), Backstop disc    |                         | 1   | 5380.269 | 9630027508 | 5380.291 | 9630031831 |
| 8/15                                                     | Bush                             |                         | 2   | 5060.015 | 9630047342 | 5060.016 | 9630047647 |
| 9                                                        | Screw, Backstop disc             |                         | 4   | 5990.011 | 9630024601 | 5990.012 | 9630024603 |
| 10                                                       | Valve shaft                      | Standard for lever lift | 1   | 6130.025 | 9630027738 | 6130.028 | 9630031808 |
|                                                          |                                  |                         |     | 6130.034 | 9630042536 | 6130.033 | 9630042279 |
| 11                                                       | 'O' Ring (NBR), Pneumatic piston |                         | 1   | 5380.267 | 9630027500 | 5380.289 | 9630031829 |
| 12                                                       | Pneumatic Piston                 |                         | 1   | 6130.027 | 9630026981 | 6130.031 | 9630031814 |
| 13                                                       | 'O' Ring (NBR), Pneumatic piston |                         | 1   | 5380.268 | 9630027160 | 5380.290 | 9630031830 |
| 14                                                       | Circlip                          |                         | 1   | 5090.007 | 9630027978 | 5090.008 | 9630031833 |
| 16                                                       | Valve Guide                      | Standard For lever lift | 1   | 5245.002 | 9630025565 | 5245.005 | 9630031816 |
|                                                          |                                  |                         |     | 5245.014 | 9630042540 | 5245.012 | 9630042273 |
| 17                                                       | Valve Guide Pin                  |                         | 1   | 5245.004 | 9630027546 | 5245.007 | 9630031824 |
| 18                                                       | Spring, compression              | < 10 bar                | 4   | 6290.017 | 9630029781 | 6290.021 | 9630033372 |
|                                                          |                                  | > 10 bar                |     | 6290.023 | 9630034501 | 6290.024 | 9630034502 |
| 19                                                       | Screw, spring guide              |                         | 4   | 5990.046 | 9630027692 | 5990.024 | 9630024621 |
| 20                                                       | Valve spring guide               |                         | 4   | 5245.003 | 9630027785 | 5245.006 | 9630031818 |
| 21                                                       | Valve spring adjuster            |                         | 1   | 5015.009 | 9630027770 | 5015.010 | 9630031820 |
| 22                                                       | Washer                           |                         | 1   | -        | -          | 6400.048 | 9630035232 |
| 23                                                       | Nut                              |                         | 1   | 5340.048 | 9630027975 | 5340.049 | 9630031834 |
| 24                                                       | Valve housing                    | Standard For lever lift | 1   | 5267.023 | 9630027977 | 5267.024 | 9630031822 |
|                                                          |                                  |                         |     | 5267.026 | 9630042538 | 5267.025 | 9630042277 |
| 25                                                       | Screw, valve housing             | Standard For lever lift | 1   | 5985.001 | 9630027694 | 5985.001 | 9630027694 |
|                                                          |                                  |                         | 2   | 6000.009 | 9630045083 | 6000.001 | 9630024638 |
| 26                                                       | Screw, spring adjuster           |                         | 4   | 5990.046 | 9630027692 | 5990.050 | 9630032120 |
| -                                                        | Thrust washer                    |                         | 1   | 6400.055 | 9630042424 | 6400.055 | 9630042424 |
| -                                                        | Nut                              | Lever lift only         | 1   | 5330.033 | 9630025350 | 5330.033 | 9630025350 |
| -                                                        | Thrust washer adaptor            |                         | 1   | 6400.054 | 9630042423 | 6400.054 | 9630042423 |
| -                                                        | Lever sub-assembly               |                         | 1   | 4083.023 | 9630045081 | 4083.022 | 9630042457 |



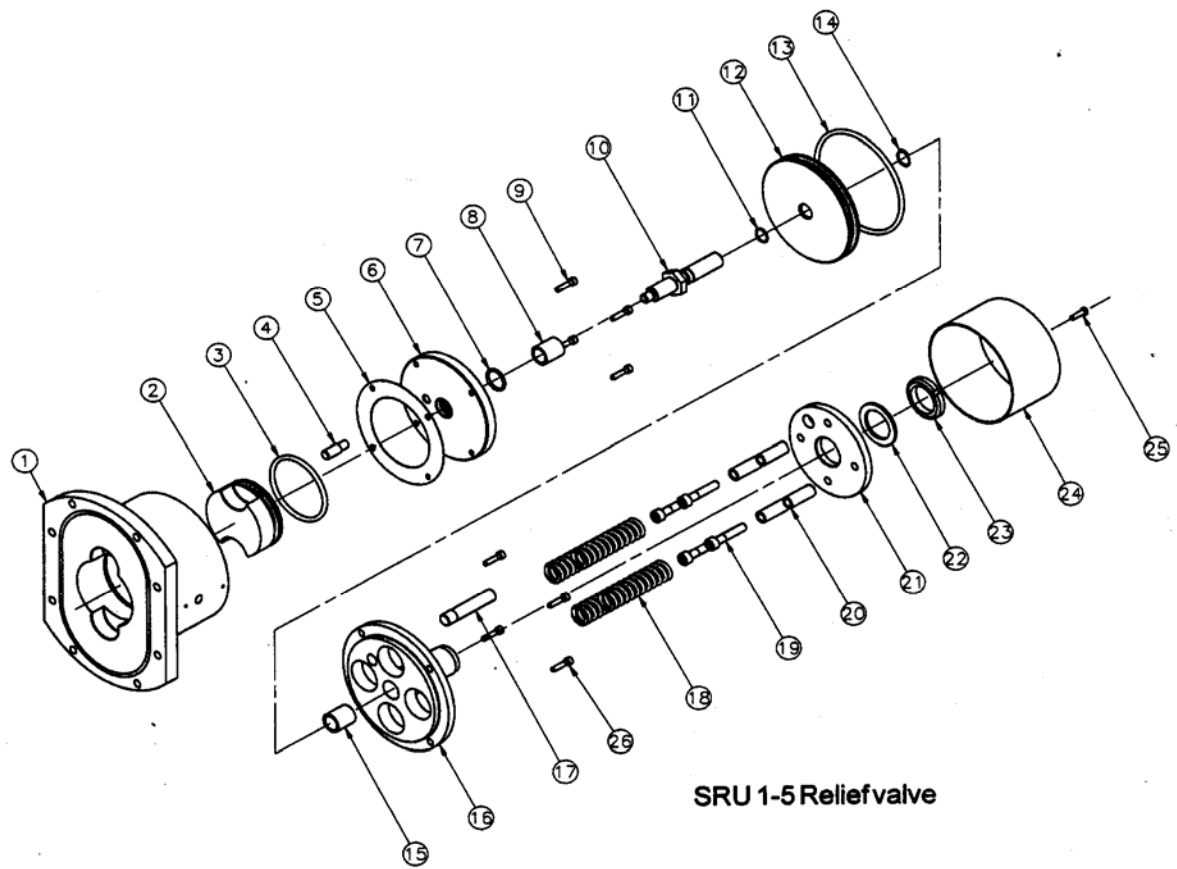
| Pressure Relief Valve (Parts) - SRU6 Pump Models |                                  |          |                |            |
|--------------------------------------------------|----------------------------------|----------|----------------|------------|
| Drg No.                                          | Description                      | Qty      | SRU6           |            |
|                                                  |                                  |          | Part No        | Item No    |
| 1                                                | Rotorcase cover                  | 1        | 5131.098       |            |
| 2                                                | Hydraulic Piston                 | 1        | 6130.030       |            |
| 3                                                | 'O' Ring, Hydraulic Piston       | 1        | NBR            | 5380.288   |
|                                                  |                                  |          | EPDM           | 5380.412   |
|                                                  |                                  |          | FPM            | 5380.301   |
|                                                  |                                  |          | PTFE           | 5380.302   |
| 4                                                | Valve Pin                        | 1        | 5170.028       | 9630028374 |
| 5                                                | Shim set                         | 1        | 6150.324       | 9630043111 |
| 6                                                | Backstop disc                    | 1        | 5135.010       | 9630032246 |
| 7                                                | 'O' Ring (NBR), Backstop disc    | 1        | 5380.291       | 9630032247 |
| 8/15                                             | Bush                             | 2        | 5060.011       | 9630031806 |
| 9                                                | Screw, Backstop disc             | 4        | 5990.012       | 9630101746 |
| 10                                               | Valve shaft                      | 1        | Standard       | 6130.028   |
|                                                  |                                  |          | For lever lift | 6130.033   |
| 11                                               | 'O' Ring (NBR), Pneumatic piston | 1        | 5380.289       | 9630031808 |
| 12                                               | Pneumatic Piston                 | 1        | 6130.032       | 9630042279 |
| 13                                               | 'O' Ring (NBR), Pneumatic piston | 1        | 5380.290       | 9630031829 |
| 14                                               | Circlip                          | 1        | 5090.008       | 9630034718 |
| 16                                               | Valve Guide                      | 1        | Standard       | 5245.009   |
|                                                  |                                  |          | For lever lift | 5245.013   |
| 17                                               | Valve Guide Pin                  | 1        | 5245.007       | 9630034714 |
| 18                                               | Spring, disc                     | < 7 bar  | 6280.002       | 9630042275 |
|                                                  |                                  | < 10 bar |                |            |
|                                                  |                                  | < 15 bar |                |            |
|                                                  |                                  | < 18 bar |                |            |
| 19                                               | Nut, spring guide                | 4        | 5330.029       | 9630034716 |
| 20                                               | Valve spring guide               | 4        | 5245.010       | 9630034712 |
| 21                                               | Valve spring adjuster            | 1        | 5015.011       | 9630034727 |
| 22                                               | Washer                           | 12       | 6400.047       | 9630053244 |
| 23                                               | Nut                              | 1        | 5340.054       | 9630031822 |
| 24                                               | Valve housing                    | 1        | Standard       | 5267.024   |
|                                                  |                                  |          | For lever lift | 5267.025   |
| 25                                               | Screw, valve housing             | 1        | 5985.001       | 9630042277 |
|                                                  |                                  | 2        | 6000.001       | 9630027694 |
| 25a                                              | Washer, valve housing screw      | 1        | 6400.046       | 9630024638 |
| 26                                               | Screw, spring adjuster           | 8        | 5990.050       | 9630030121 |
|                                                  | Thrust washer                    | 1        | 6400.055       | 9630032120 |
|                                                  | Nut                              | 1        | 5330.033       | 9630042424 |
|                                                  | Thrust washer adaptor            | 1        | 6400.054       | 9630025350 |
|                                                  | Lever sub-assembly               | 1        | 4083.022       | 9630042423 |

Note: For SRU6 Items 1 and 2 are only available as spare parts as part of complete assembly.

| SRU6 Relief Valve Spring Arrangements |                                |                                  |                                    |                                     |
|---------------------------------------|--------------------------------|----------------------------------|------------------------------------|-------------------------------------|
|                                       | < 7 bar                        | < 10 bar                         | < 15 bar                           | < 18 bar                            |
| Springs arranged:                     | ( ) ( ) ( ) ( )                | (( )) (( )) (( )) (( ))          | (( (( )) (( (( )) (( (( ))         | (( (( )) (( (( )) (( (( ))          |
| 1 stack =                             | ( ) 2 springs<br>18 stacks/set | (( )) 4 springs<br>12 stacks/set | (( (( )) 6 springs<br>9 stacks/set | (( (( )) 6 springs<br>10 stacks/set |
| Qty sets each valve:                  | 4                              | 4                                | 4                                  | 4                                   |
| Total qty springs:                    | 144                            | 192                              | 216                                | 240                                 |



## Pressure Relief Valve - Exploded View Drawing

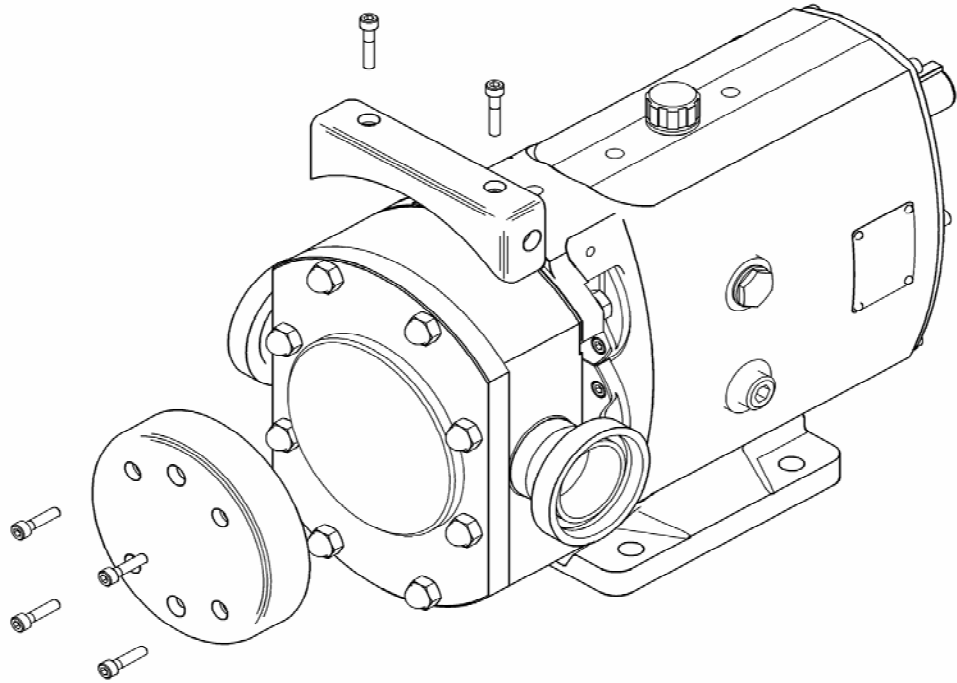


| Rotorcase Cover Jackets - SRU Pump Models |                                                    |     |          |            |
|-------------------------------------------|----------------------------------------------------|-----|----------|------------|
| Pump Model                                | Description                                        | Qty | Part No. | Item No.   |
| SRU1                                      | Rotorcase cover drilled for jacket                 | 1   | 5130.331 | 9630027764 |
|                                           | Jacket - standard (for ATEX pump see 'ATEX Parts') | 1   | 5268.025 | 9630031941 |
|                                           | Screw                                              | 4   | 5990.012 | 9630024603 |
| SRU2                                      | Rotorcase cover drilled for jacket                 | 1   | 5130.332 | 9630027767 |
|                                           | Jacket - standard (for ATEX pump see 'ATEX Parts') | 1   | 5268.026 | 9630031943 |
|                                           | Screw                                              | 4   | 5990.012 | 9630024603 |
| SRU3                                      | Rotorcase cover drilled for jacket                 | 1   | 5130.333 | 9630027766 |
|                                           | Jacket - standard (for ATEX pump see 'ATEX Parts') | 1   | 5268.027 | 9630031945 |
|                                           | Screw                                              | 4   | 5990.012 | 9630024603 |
| SRU4                                      | Rotorcase cover drilled for jacket                 | 1   | 5130.334 | 9630030268 |
|                                           | Jacket - standard (for ATEX pump see 'ATEX Parts') | 1   | 5268.028 | 9630031947 |
|                                           | Screw                                              | 4   | 5990.050 | 9630032120 |
| SRU5                                      | Rotorcase cover drilled for jacket                 | 1   | 5130.335 | 9630027765 |
|                                           | Jacket - standard (for ATEX pump see 'ATEX Parts') | 1   | 5268.029 | 9630031949 |
|                                           | Screw                                              | 4   | 5990.050 | 9630032120 |
| SRU6                                      | Rotorcase cover drilled for jacket                 | 1   | 5130.336 | 9630027763 |
|                                           | Jacket - standard (for ATEX pump see 'ATEX Parts') | 1   | 5268.030 | 9630031951 |
|                                           | Screw                                              | 4   | 5990.048 | 9630031826 |

| Rotorcase Saddles - SRU Pump Models |                                                    |     |                 |            |
|-------------------------------------|----------------------------------------------------|-----|-----------------|------------|
| Pump Model                          | Description                                        | Qty | Part No.        | Item No.   |
| SRU1                                | Rotorcase drilled for saddle                       | 1   | See Pages 31-33 |            |
|                                     | Saddle - standard (for ATEX pump see 'ATEX Parts') | 2   | 5268.031        | 9630032345 |
|                                     | Screw                                              | 4   | 5990.043        | 9630018807 |
| SRU2                                | Rotorcase drilled for saddle                       | 1   | See Pages 31-33 |            |
|                                     | Saddle - standard (for ATEX pump see 'ATEX Parts') | 2   | 5268.032        | 9630032347 |
|                                     | Screw                                              | 4   | 5990.012        | 9630024603 |
| SRU3                                | Rotorcase drilled for saddle                       | 1   | See Pages 31-33 |            |
|                                     | Saddle - standard (for ATEX pump see 'ATEX Parts') | 2   | 5268.033        | 9630031953 |
|                                     | Screw                                              | 4   | 5990.009        | 9630024598 |
| SRU4                                | Rotorcase drilled for saddle                       | 1   | See Pages 31-33 |            |
|                                     | Saddle - standard (for ATEX pump see 'ATEX Parts') | 2   | 5268.034        | 9630031955 |
|                                     | Screw                                              | 4   | 5990.048        | 9630031826 |
| SRU5                                | Rotorcase drilled for saddle                       | 1   | See Pages 31-33 |            |
|                                     | Saddle - standard (for ATEX pump see 'ATEX Parts') | 2   | 5268.035        | 9630031957 |
|                                     | Screw                                              | 4   | 5990.010        | 9630024599 |
| SRU6                                | Rotorcase drilled for saddle                       | 1   | See Pages 31-33 |            |
|                                     | Saddle - standard (for ATEX pump see 'ATEX Parts') | 2   | 5268.036        | 9630031959 |
|                                     | Screw                                              | 4   | 5990.010        | 9630024599 |



## Jackets and Saddles - Exploded View Drawing



| SRU - EPDM USP Class VI 'O' Rings & Seals |                                                                                                                                     |     |                                                                            |                                                                                  |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Drg No.                                   | Description                                                                                                                         | Qty | Part No.                                                                   | Item No.                                                                         |
| 11                                        | 'O' Ring, cover - plain                                                                                                             | 1   | 1556.239<br>1556.249<br>1556.258<br>1556.265<br>1556.273<br>1556.277       | 9630854451<br>9630854461<br>9630854477<br>9630854455<br>9630854469<br>9630854485 |
| 18                                        | 'O' Ring, rotor                                                                                                                     | 2   | 5380.779<br>1556.022<br>1556.026<br>1556.030<br>1556.135<br>1556.143       | 9630854492<br>9630854464<br>9630854480<br>9630854458<br>9630854472<br>9630854486 |
| 20                                        | 'O' Ring, rotor nut                                                                                                                 | 2   | 5380.778<br>1556.020<br>1556.024<br>1556.029<br>1556.133<br>1556.143       | 9630854491<br>9630854463<br>9630854479<br>9630854457<br>9630854471<br>9630854486 |
|                                           | Cover/Spline Sealing Kit<br>(comprises cover, rotor and rotor nut sealing 'O' rings for one pump)                                   | 1   | KU1YC<br>KU2YC<br>KU3YC<br>KU4YC<br>KU5YC<br>KU6YC                         | 9630856959<br>9630855540<br>9630856960<br>9630855577<br>9630856961<br>9630855541 |
| 81                                        | Hyclean Rotorcase 'O' Ring                                                                                                          | 1   | 1556.320<br>1556.325<br>1556.328<br>1556.332<br>1556.335<br>1556.339       | 9630854453<br>9630854467<br>9630854483<br>9630854459<br>9630854475<br>9630854489 |
| 84                                        | Hyclean Shaft 'O' Ring                                                                                                              | 2   | 1556.114<br>1556.121<br>1556.124<br>1556.131<br>1556.137<br>1556.230       | 9630854454<br>9630854468<br>9630854484<br>9630854460<br>9630854476<br>9630854473 |
|                                           | Hyclean Single Mech Seal<br>SC / SC / EPDM USP Class VI                                                                             | 2   | 7600.201Y<br>7600.202Y<br>7600.203Y<br>7600.204Y<br>7600.205Y<br>7600.206Y | 9630855444<br>9630855445<br>9630855447<br>9630855452<br>9630855453<br>9630855454 |
|                                           | Service Kit (USA only)<br>Hyc SC/SC/EPDM USP Class VI<br>(comprises cover/spline sealing 'O' rings and mechanical seals for 1 pump) | 1   | KU1YC-H26<br>KU2YC-H26<br>KU3YC-H26<br>KU4YC-H26<br>KU5YC-H26<br>KU6YC-H26 | 9630856966<br>9630856967<br>9630856968<br>9630856969<br>9630856970<br>9630856971 |



| Electropolishing (Rotorcase Covers and Rotors) |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Drg No.                                        | Description                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Qty | Part No.                                                                                                                                                                                                                                                                                                                                                                                           | Item No.                                                                                                                                                                                                                                                                                                                                                                 |
| 12                                             | Cover, rotorcase - EP               | SRU1<br>SRU2<br>SRU3<br>SRU4<br>SRU5<br>SRU6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1   | 5130.311EP<br>5130.312EP<br>5130.313EP<br>5130.314EP<br>5130.315EP<br>5130.316EP                                                                                                                                                                                                                                                                                                                   | 9630856164<br>9630856021<br>9630855313<br>9630854961<br>9630855202<br>9630124278                                                                                                                                                                                                                                                                                         |
| 17                                             | Rotor, Trilobe Stainless Steel - EP | 8 bar 70°C<br>8 bar 130°C<br>8 bar 200°C<br>SRU1/005<br>5 bar 70°C<br>5 bar 130°C<br>5 bar 200°C<br>SRU1/008<br>10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C<br>SRU2/013/<br>LS and HS<br>15 bar 70°C<br>15 bar 130°C<br>15 bar 200°C<br>SRU2/013/<br>LD and HD<br>7 bar 70°C<br>7 bar 130°C<br>7 bar 200°C<br>SRU2/018/<br>LS and HS<br>10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C<br>SRU2/018/<br>LD and HD<br>10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C<br>SRU3/027/<br>LS and HS<br>15 bar 70°C<br>15 bar 130°C<br>15 bar 200°C<br>SRU3/027/<br>LD and HD<br>7 bar 70°C<br>7 bar 130°C<br>7 bar 200°C<br>SRU3/038/<br>LS and HS<br>10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C<br>SRU3/038/<br>LD and HD<br>10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C<br>SRU4/055/<br>LS and HS<br>20 bar 70°C<br>20 bar 130°C<br>20 bar 200°C<br>SRU4/055/<br>LD and HD<br>7 bar 70°C<br>7 bar 130°C<br>7 bar 200°C<br>SRU4/079/<br>LS and HS<br>15 bar 70°C<br>15 bar 130°C<br>15 bar 200°C<br>SRU4/079/<br>LD and HD | 2   | 5712.005GEP<br>5712.005HEP<br>5712.008DEP<br>5712.008EEP<br>5712.008FEP<br>5740.013MEP<br>5740.013NEP<br>5740.013PEP<br>5740.018MEP<br>5740.018NEP<br>5740.018PEP<br>5740.027MEP<br>5740.027NEP<br>5740.027PEP<br>5740.027VEP<br>5740.038MEP<br>5740.038NEP<br>5740.038PEP<br>5740.055DEP<br>5740.055EEP<br>5740.055KEP<br>5740.055LEP<br>5740.079DEP<br>5740.079EEP<br>5740.079KEP<br>5740.079LEP | 9630090643<br>9630856252<br>9630855579<br>9630856253<br>9630125230<br>9630856319<br>9630856320<br>9630124757<br>9630854738<br>9630856321<br>9630856322<br>9630124364<br>9630856323<br>9630854675<br>9630857260<br>9630855311<br>9630856324<br>9630855852<br>9630111455<br>9630856325<br>9630855259<br>9630856326<br>9630123804<br>9630856327<br>9630856328<br>9630856329 |



| Electropolishing (Rotors cont'd and Rotor Nuts) |                                     |                                             |     |                            |                          |
|-------------------------------------------------|-------------------------------------|---------------------------------------------|-----|----------------------------|--------------------------|
| Drg No.                                         | Description                         |                                             | Qty | Part No.                   | Item No.                 |
| 17                                              | Rotor, Trilobe Stainless Steel - EP | 10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C | 2   | 5740.116DEP<br>5740.116EEP | 9630856330<br>9630855200 |
|                                                 |                                     | 20 bar 70°C<br>20 bar 130°C<br>20 bar 200°C |     | 5740.116KEP<br>5740.116LEP | 9630856331<br>9630856332 |
|                                                 |                                     | 7 bar 70°C<br>7 bar 130°C<br>7 bar 200°C    |     | 5740.168DEP<br>5740.168EEP | 9630856334<br>9630856335 |
|                                                 |                                     | 15 bar 70°C<br>15 bar 130°C<br>15 bar 200°C |     |                            |                          |
|                                                 |                                     | 10 bar 70°C<br>10 bar 130°C<br>10 bar 200°C |     | 5740.260DEP<br>5740.260EEP | 9630126882<br>9630124276 |
|                                                 |                                     | 20 bar 70°C<br>20 bar 130°C<br>20 bar 200°C |     |                            |                          |
|                                                 |                                     | 7 bar 70°C<br>7 bar 130°C<br>7 bar 200°C    |     | 5740.353DEP<br>5740.353EEP | 9630113414<br>9630856152 |
|                                                 |                                     | 15 bar 70°C<br>15 bar 130°C<br>15 bar 200°C |     |                            |                          |
|                                                 |                                     |                                             |     |                            |                          |
|                                                 |                                     |                                             |     |                            |                          |
|                                                 |                                     |                                             |     |                            |                          |
|                                                 |                                     |                                             |     |                            |                          |
| 22                                              | Nut, rotor retention (RH) - EP      | SRU1/005                                    | 2   | 5900.161EP                 | 9630856369               |
|                                                 |                                     | SRU1/008                                    |     | 5900.162EP                 | 9630856370               |
|                                                 |                                     | SRU2/013                                    |     | 5900.163EP                 | 9630124758               |
|                                                 |                                     | SRU2/018                                    |     | 5900.164EP                 | 9630854960               |
|                                                 |                                     | SRU3/027                                    |     | 5900.165EP                 | 9630125624               |
|                                                 |                                     | SRU3/038                                    |     | 5900.166EP                 | 9630855295               |
|                                                 |                                     | SRU4/055                                    |     | 5900.167EP                 | 9630856371               |
|                                                 |                                     | SRU4/079                                    |     | 5900.168EP                 | 9630854962               |
|                                                 |                                     | SRU5/116                                    |     | 5900.169EP                 | 9630856372               |
|                                                 |                                     | SRU5/168                                    |     | 5900.170EP                 | 9630111739               |
|                                                 |                                     | SRU6/260                                    |     | 5900.171EP                 | 9630124279               |
|                                                 |                                     | SRU6/353                                    |     | 5900.172EP                 | 9630854039               |
|                                                 | Nut, rotor retention (LH) - EP      | SRU1/005                                    |     | 5900.181EP                 | 9630856373               |
|                                                 |                                     | SRU1/008                                    |     | 5900.182EP                 | 9630856374               |
|                                                 |                                     | SRU2/013                                    |     | 5900.183EP                 | 9630856375               |
|                                                 |                                     | SRU2/018                                    |     | 5900.184EP                 | 9630856003               |
|                                                 |                                     | SRU3/027                                    |     | 5900.185EP                 | 9630856376               |
|                                                 |                                     | SRU3/038                                    |     | 5900.186EP                 | 9630855074               |
|                                                 |                                     | SRU4/055                                    |     | 5900.187EP                 | 9630856377               |
|                                                 |                                     | SRU4/079                                    |     | 5900.188EP                 | 9630856378               |
|                                                 |                                     | SRU5/116                                    |     | 5900.189EP                 | 9630856379               |
|                                                 |                                     | SRU5/168                                    |     | 5900.190EP                 | 9630111740               |
|                                                 |                                     | SRU6/260                                    |     | 5900.191EP                 | 9630124280               |
|                                                 |                                     | SRU6/353                                    |     | 5900.192EP                 | 9630855620               |



| Electropolishing (Rotorcase) |                                                                |      |     |          |     |             |            |
|------------------------------|----------------------------------------------------------------|------|-----|----------|-----|-------------|------------|
| Drg No.                      | Description                                                    | Size |     | Pump     | Qty | Part No.    | Item No.   |
|                              |                                                                | in   | mm  |          |     |             |            |
| 9                            | Rotorcase for Hyclean seal and Tri- clamp (BS4825) connections | 1    | 25  | SRU1/005 | 1   | 9285.082SEP | 9630856355 |
|                              |                                                                | 1    | 25  | SRU1/008 |     |             |            |
|                              |                                                                | 1½   | 40  | SRU1/008 |     | 9286.083SEP | 9630856356 |
|                              |                                                                | 1    | 25  | SRU2/013 |     |             |            |
|                              |                                                                | 1½   | 40  | SRU2/013 |     | 9211.083SEP | 9630856354 |
|                              |                                                                | 1½   | 40  | SRU2/018 |     | 9212.274SEP | 9630856020 |
|                              |                                                                | 2    | 50  | SRU2/018 |     | 9212.084SEP | 9630855315 |
|                              |                                                                | 1½   | 40  | SRU3/027 |     | 9213.274SEP | 9630099579 |
|                              |                                                                | 2    | 50  | SRU3/027 |     | 9213.084SEP | 9630854899 |
|                              |                                                                | 2    | 50  | SRU3/038 |     | 9214.271SEP | 9630855608 |
|                              |                                                                | 2½   | 65  | SRU3/038 |     | 9214.086SEP | 9630855312 |
|                              |                                                                | 2    | 50  | SRU4/055 |     | 9215.271SEP | 9630855224 |
|                              |                                                                | 2½   | 65  | SRU4/055 |     | 9215.086SE  | 9630067560 |
|                              |                                                                | 2½   | 65  | SRU4/079 |     |             |            |
|                              |                                                                | 3    | 80  | SRU4/079 |     | 9216.149SEP | 9630854963 |
|                              |                                                                | 2½   | 65  | SRU5/116 |     | 9217.323SEP | 9630856358 |
|                              |                                                                | 3    | 80  | SRU5/116 |     | 9217.149SEP | 9630856357 |
|                              |                                                                | 3    | 80  | SRU5/168 |     |             |            |
|                              |                                                                | 4    | 100 | SRU5/168 |     | 9218.150SEP | 9630856359 |
|                              |                                                                | 4    | 100 | SRU6/260 |     | 9423.088SEP | 9630124277 |
|                              |                                                                | 4    | 100 | SRU6/353 |     |             |            |
|                              |                                                                | 6    | 150 | SRU6/353 |     | 9220.300SEP | 9630113549 |



| ATEX Parts |                                                                                                                                                                                              |                 |       |              |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------|--------------|------------|
| Drg No.    | Description                                                                                                                                                                                  |                 | Qty   | Part No.     | Item No.   |
| 46         | Sight glass                                                                                                                                                                                  | SRU1-4          | 1     | 5480.010     | 9630855435 |
|            |                                                                                                                                                                                              | Horiz port      | 2     |              |            |
|            |                                                                                                                                                                                              | Vert port       | 1     |              |            |
| 47         | Filler plug                                                                                                                                                                                  | SRU1-4          | 1     | 5192.286     | 9630105171 |
|            |                                                                                                                                                                                              | Horiz port      | 2     |              |            |
|            |                                                                                                                                                                                              | Vert port       | 1     |              |            |
|            | Washer, bonded - for filler plug                                                                                                                                                             | NBR             | 1 / 2 | 31499.5916.1 | 9630039007 |
| 50         | Gland guard                                                                                                                                                                                  | SRU1            | 2     | 5243.136     | 9630112468 |
|            |                                                                                                                                                                                              | SRU2            |       | 5243.137     | 9630123783 |
|            |                                                                                                                                                                                              | SRU3            |       | 5243.138     | 9630124138 |
|            |                                                                                                                                                                                              | SRU4            |       | 5243.139     | 9630855285 |
|            |                                                                                                                                                                                              | Lower vert port | 1     | 5243.148     | 9630855513 |
|            |                                                                                                                                                                                              | Upper vert port |       | 5243.150     | 9630855514 |
|            |                                                                                                                                                                                              | Horiz port      | 2     | 5243.134     | 9630112074 |
|            |                                                                                                                                                                                              | Lower vert port | 1     | 5243.149     | 9630855500 |
|            |                                                                                                                                                                                              | Upper vert port |       | 5243.151     | 9630855501 |
|            |                                                                                                                                                                                              | Horiz port      | 2     | 5243.152     |            |
| 72b        | Stationary seal ring with thermocouple (R90 Single mechanical seal). Note: Only silicon carbide available and normally 1 off is req'd as other seal ring will be as standard silicon carbide | SRU1            | 1     | R5630.181    | 9630113595 |
|            |                                                                                                                                                                                              | SRU2            |       | R5630.182    | 9630113596 |
|            |                                                                                                                                                                                              | SRU3            |       | R5630.183    | 9630113598 |
|            |                                                                                                                                                                                              | SRU4            |       | R5630.184    | 9630113599 |
|            |                                                                                                                                                                                              | SRU5            |       | R5630.185    | 9630113600 |
|            |                                                                                                                                                                                              | SRU6            |       | R5630.186    | 9630113601 |
|            |                                                                                                                                                                                              |                 |       |              |            |
| 72c        | Stationary seal ring with thermocouple (R90 Double mechanical seal) Note: Only silicon carbide available and normally 1 off is req'd as other seal ring will be as standard silicon carbide  | SRU1            | 1     | R5630.191    | 9630123885 |
|            |                                                                                                                                                                                              | SRU2            |       | R5630.192    | 9630123886 |
|            |                                                                                                                                                                                              | SRU3            |       | R5630.193    | 9630123887 |
|            |                                                                                                                                                                                              | SRU4            |       | R5630.194    | 9630123888 |
|            |                                                                                                                                                                                              | SRU5            |       | R5630.195    | 9630123889 |
|            |                                                                                                                                                                                              | SRU6            |       | R5630.196    | 9630123890 |
|            |                                                                                                                                                                                              |                 |       |              |            |
| 79         | Seal housing, double mechanical seal for thermocouple (R90 Double mechanical seal) Note: Normally 1 off is req'd as other seal housing will be as standard                                   | SRU1            | 1     | 5265.221A.T  |            |
|            |                                                                                                                                                                                              | SRU2            |       | 5265.325A.T  |            |
|            |                                                                                                                                                                                              | SRU3            |       | 5265.326A.T  |            |
|            |                                                                                                                                                                                              | SRU4            |       | 5265.327A.T  |            |
|            |                                                                                                                                                                                              | SRU5            |       | 5265.328A.T  |            |
|            |                                                                                                                                                                                              | SRU6            |       | 5265.329A.T  |            |
|            |                                                                                                                                                                                              |                 |       |              |            |
| 101        | Thermocouple clamp plate                                                                                                                                                                     | SRU1            | 1     | 5087.081     | 9630855569 |
|            |                                                                                                                                                                                              | SRU2            |       | 5087.082     |            |
|            |                                                                                                                                                                                              | SRU3            |       | 5087.083     |            |
|            |                                                                                                                                                                                              | SRU4            |       | 5087.084     |            |
|            |                                                                                                                                                                                              | SRU5            |       | 5087.085     |            |
|            |                                                                                                                                                                                              | SRU6            |       | 5087.086     |            |
|            |                                                                                                                                                                                              |                 |       |              |            |
| 102        | Screw, thermocouple clamp plate                                                                                                                                                              | SRU1            | 2     | 5990.007     | 9630024595 |
|            |                                                                                                                                                                                              | SRU2-3          |       | 5990.066     | 9630028936 |
|            |                                                                                                                                                                                              | SRU4-6          |       | 5990.083     | 9630074138 |
| 103        | Plastic bush                                                                                                                                                                                 | SRU1-6          | 1     | 5060.021     | 9630855571 |
| 104        | Screw, bush locking                                                                                                                                                                          | SRU1-6          | 1     | 5990.088     | 9630855570 |
|            | Jacket, rotorcase cover (stainless steel)                                                                                                                                                    | SRU1            | 1     | 5268.091     | 9630855436 |
|            |                                                                                                                                                                                              | SRU2            |       | 5268.092     | 9630855437 |
|            |                                                                                                                                                                                              | SRU3            |       | 5268.093     | 9630126740 |
|            |                                                                                                                                                                                              | SRU4            |       | 5268.094     | 9630854731 |
|            |                                                                                                                                                                                              | SRU5            |       | 5268.095     | 9630855438 |
|            |                                                                                                                                                                                              | SRU6            |       | 5268.096     | 9630855439 |
|            |                                                                                                                                                                                              |                 |       |              |            |
|            | Saddle, rotorcase (stainless steel)                                                                                                                                                          | SRU1            | 2     | 5268.081     | 9630855440 |
|            |                                                                                                                                                                                              | SRU2            |       | 5268.082     | 9630855441 |
|            |                                                                                                                                                                                              | SRU3            |       | 5268.083     | 9630126739 |
|            |                                                                                                                                                                                              | SRU4            |       | 5268.084     | 9630854730 |
|            |                                                                                                                                                                                              | SRU5            |       | 5268.085     | 9630855442 |
|            |                                                                                                                                                                                              | SRU6            |       | 5268.086     | 9630855443 |
|            |                                                                                                                                                                                              |                 |       |              |            |
|            | Stud, earthing                                                                                                                                                                               | SRU1            | 1     | 6350.148     | 9630105360 |
|            |                                                                                                                                                                                              | SRU2-4          |       | 6350.149     | 9630105362 |
|            |                                                                                                                                                                                              | SRU5-6          |       | 6350.148     | 9630105360 |
|            | Nut, earthing stud                                                                                                                                                                           |                 | 2     | 5330.003     | 9630024057 |
|            | Washer, lock                                                                                                                                                                                 |                 | 2     | 6410.009     | 9630105264 |
|            | Earth bonding cable                                                                                                                                                                          |                 | 1     | 4450.222     | 9630105267 |
|            | Terminal copper tube                                                                                                                                                                         |                 | 2     | 4450.223     | 9630105435 |
|            | Earth bonding tag                                                                                                                                                                            |                 | 1     | 5410.088     | 9630105614 |

| Miscellaneous Items                                                                                                                                                                                                                                                                                        |           |     |              |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----|--------------|------------|
| Description                                                                                                                                                                                                                                                                                                |           | Qty | SRU1 to SRU6 |            |
|                                                                                                                                                                                                                                                                                                            |           |     | Part No.     | Item No.   |
| Plug, Seal Housing                                                                                                                                                                                                                                                                                         | 1/8" BSPT | 4   | 5470.000     | 9630024415 |
|                                                                                                                                                                                                                                                                                                            | 1/8" NPT  |     | 5470.006     | 9630024422 |
|                                                                                                                                                                                                                                                                                                            | 1/4" BSPT |     | 5470.001     | 9630024417 |
|                                                                                                                                                                                                                                                                                                            | 1/4" NPT  |     | 5470.004     | 9630024419 |
| <u>The following housings have 1/8" connections</u><br>R90 Flush and Double sizes SRU1-3<br>Hyclean Flush sizes SRU1-4<br>Packed Gland sizes SRU1-4<br><u>The following housings have 1/4" connections</u><br>R90 Flush and Double sizes SRU4-6<br>Hyclean Flush sizes SRU5-6<br>Packed Gland sizes SRU5-6 |           |     |              |            |

Grease filled gearboxes in gearcases drilled for oil.

If Gearcase is drilled for Oil and supplied for Grease then the same fixings are required as for Oil, EXCEPT that Unvented Filler Plug 31495.0052.1 is used instead of 31491.0052.1 and 5480.001

| Revision History |                  |               |                                                                                                                                                                                                                                                                                            |
|------------------|------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Issue            | Ref              | Date          | Description                                                                                                                                                                                                                                                                                |
| SRU INTRODUCTION | -                | February 2001 | SRU range introduced and replaces SR/3A and NMOG pump ranges. (SR/3A SS and SD versions still available to special order only.)                                                                                                                                                            |
|                  | CH5808           |               | The gearboxes on sizes SRU1-4 revised to universal mounting with bolt-on feet for either horizontal or vertical porting.                                                                                                                                                                   |
|                  | CH5809           |               | Gearboxes on sizes SRU5-6 remained as dedicated for either horizontal or vertical porting but standardised to one external shape.                                                                                                                                                          |
|                  | CH5808<br>CH5809 |               | Grease lubrication withdrawn as a standard option.                                                                                                                                                                                                                                         |
|                  | CH5817<br>CH5834 |               | SRU6/260 introduced to replace SR6/246/3A and NMOG822 to provide increased bore size on 4" ports.                                                                                                                                                                                          |
|                  | CH5804           |               | Sanitary size port bores introduced throughout range (CH5804, CH5758, CH5812, CH5813, and CH5814).                                                                                                                                                                                         |
|                  | CH5793           |               | Shim retainers standardised to one item per pump size that is suitable to fit both the SRU and for spares requirements on discontinued SR, SR/3A and NMOG ranges.                                                                                                                          |
|                  | CH5795           |               | SRU1-4 timing gears revised to hardened as standard.                                                                                                                                                                                                                                       |
|                  | CH5816           |               | New style gland guards introduced.                                                                                                                                                                                                                                                         |
|                  | CH5825<br>CH5826 |               | Bilobe rotors revised to have the master spline at 45 deg which allows both rotors in the pump to be identical instead of 'handed'.                                                                                                                                                        |
|                  | CH5839           |               | Hyclean flushed lip seals standardised to fully enclosed FPM with stainless steel spring.                                                                                                                                                                                                  |
| 2001-02          | TM               | 01-02-2001    | New manual issue 1 ref SP70844-GB1                                                                                                                                                                                                                                                         |
| 1.01             | CH               |               | Pump drg item no 14A (gasket) deleted. The gaskets are no longer available and silicone sealant (item Z3717.0001) is used.                                                                                                                                                                 |
| 1.02             | CH5883           | 05-03-2001    | Pump drg item no 46A (sight glass washer) deleted. The sight glass 5480.001 has been changed to include an integral washer.                                                                                                                                                                |
| 1.03             | CH5884           | 06-03-2001    | SRU1 and SRU2 Pump drg item no. 51/52 gland guard screws revised to 4 off part 6000.010 (item 9630050533) instead of 4 off 5990.045 and 4 off washers 6400.046.                                                                                                                            |
| 1.04             | CH5905           | 26-04-2001    | Pump drg item no 40 (screw) revised on pump sizes SRU2 and SRU3. SRU2 part number updated from part 5990.044 to part 5990.007 and item updated from 9630030096 to 9630024595. SRU3 part number updated from part 5990.007 to part 5990.005 and item updated from 9630024595 to 9630024591. |
| 1.05             |                  |               | Pump drg item no 1 (gearcase) and drg items 54 and 56 (feet) revised to indicate part and item numbers for painted Alfa Laval Blue.                                                                                                                                                        |
| 1.06             |                  |               | SRU1 Pump drg item no. 7 (FPM) item number corrected from 9630030621 to item 9630032806                                                                                                                                                                                                    |
| 1.07             |                  |               | SRU1 Pump drg item no. 11 (PTFE) part number corrected from 1550.239 to part 1552.239.                                                                                                                                                                                                     |
| 1.08             |                  |               | SRU1 Pump drg item no. 18 (FPM) part number corrected from 5380.566 to part 5380.420 and item number corrected from item 9630057303 to item 9630044557.                                                                                                                                    |
| 1.09             |                  |               | SRU2 Pump drg item no. 18 (EPDM) item number corrected from 9630046454 to item 9630046455.                                                                                                                                                                                                 |
| 1.10             |                  |               | SRU4 Pump drg item no. 11 (FPM) part number corrected from 5380.433 to part 1551.265 and item number corrected from 9630045581 to 9630037519.                                                                                                                                              |
| 1.11             |                  |               | SRU5 Pump drg item no. 11 (FPM) part number corrected from 5380.436 to part 1551.273 and item number corrected from 9630045584 to 9630046180.                                                                                                                                              |
| 1.12             |                  |               | SRU5 Pump drg item no. 8A corrected from part 6150.256 to part 6150.315 and the item changed from 9630050529 to item 9630089544 as per above CH5793.                                                                                                                                       |

| Revision History (continued) |          |            |                                                                                                                                                                                                                                                                            |
|------------------------------|----------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Issue                        | Ref      | Date       | Description                                                                                                                                                                                                                                                                |
| 1.13                         |          |            | SRU2/013 bilobe rotor part number 5741.013N item number corrected to 9630090572.                                                                                                                                                                                           |
| 1.14                         |          |            | SRU2/018 bilobe rotor part number 5741.018W item number corrected to 9630099560.                                                                                                                                                                                           |
| 1.15                         |          |            | SRU1 R90 flush housing gasket corrected to part number 5198.201 and item number to 9630062179 and quantity to 1 per pump as per CH5234 (1997).                                                                                                                             |
| 1.16                         |          |            | SRU4 R90 flush housing studs, nuts and washers corrected to screws part number 5990.078 item 9630060520 as per CH5151 (1996).                                                                                                                                              |
| 1.17                         |          |            | SRU5 R90 flush housing studs corrected to part number 6350.104 item 9630019863.                                                                                                                                                                                            |
| 1.18                         |          |            | Details of Hyclean retaining clips and screws added.                                                                                                                                                                                                                       |
| 1.19                         |          |            | SRU1 Hyclean housing 'O' ring corrected to part number 5380.273 item 9630027378.                                                                                                                                                                                           |
| 1.20                         |          |            | SRU2 Hyclean housing 'O' ring corrected to part number 1551.138 item 9630037158.                                                                                                                                                                                           |
| 1.21                         |          |            | SRU5 Hyclean housing 'O' ring corrected to part number 5380.407 item 9630043063.                                                                                                                                                                                           |
| 1.22                         |          |            | SRU6 Hyclean housing 'O' ring corrected to part number 5380.292 item 9630039129.                                                                                                                                                                                           |
| 1.23                         |          |            | Details of stainless steel shaft sleeves added to SRU1-4 packed gland arrangements.                                                                                                                                                                                        |
| 1.24                         |          |            | SRU1 packed gland flush housings corrected to part numbers 5235.014AA and 5235.014BA (items 9630101726 and 9630101727).                                                                                                                                                    |
| 1.25                         |          |            | SRU1 packed gland housing gasket corrected to part number 5198.201 and item number to 9630062179 and quantity to 1 per pump as per CH5234 (1997).                                                                                                                          |
| 1.26                         |          |            | Packed gland housing stud nuts corrected as per CH5093 (1996).                                                                                                                                                                                                             |
| 1.27                         |          |            | SRU4-6 gland followers corrected to split type as per CH4831 (1994).                                                                                                                                                                                                       |
| 1.28                         |          |            | SRU2 Pump drg. Item no. 2 dowel, part number corrected to 5170.025 and item number to 9630030093.                                                                                                                                                                          |
| 1.29                         |          |            | SRU3 Packed gland stud corrected to part number 6350.144 and item 9630058750 as per CH5654 (1999).                                                                                                                                                                         |
| 2                            | 0211     | 01-11-2002 | NEW MANUAL SRU                                                                                                                                                                                                                                                             |
| 2.01                         |          | 13-05-2002 | Part numbers and item numbers of SRU4 Cover/Spline Sealing kits on p.35 corrected.                                                                                                                                                                                         |
| 3                            | 0503     | 01-03-2005 | Manual updated to include latest R90 and Hyclean seal drawings and parts list.                                                                                                                                                                                             |
| 3.01                         | CH10707  | 01-03-2005 | Hyclean drive and auxiliary shafts now only available in Duplex material. Hyclean stainless steel shaft part numbers removed (SRU2 - 6100.656 & 6110.656, SRU3 - 6100.657 & 6110.657, SRU4 - 6100.658 & 6110.658, SRU5 - 6100.659 & 6110.659, SRU6 - 6100.708 & 6110.708). |
| 3.02                         | CH10672  | 01-03-2005 | Note added to p.39, 40, 50, 51 and 52 relating to use of double wave springs.                                                                                                                                                                                              |
| 3.03                         |          | 30-01-2006 | Rotorcase body part numbers table modified.                                                                                                                                                                                                                                |
| 3.04                         | CH-10981 | 30-01-2006 | NBR, EPDM and PTFE Spacer 'O' ring options removed, leaving only FPM available.                                                                                                                                                                                            |
| 3.05                         |          | 30-01-2006 | Hyclean stainless steel shaft part numbers previously removed now reinstated (SRU2 - 6100.656 & 6110.656, SRU3 - 6100.657 & 6110.657, SRU4 - 6100.658 & 6110.658, SRU5 - 6100.659 & 6110.659, SRU6 - 6100.708 & 6110.708).                                                 |
| 3.06                         | CH-10992 | 30-01-2006 | EPDM USP Class VI 'O' rings and seals p.69 added.                                                                                                                                                                                                                          |
| 3.07                         |          | 30-01-2006 | Electropolished parts p.70-72 added.                                                                                                                                                                                                                                       |
| 3.08                         |          | 28-02-2006 | ATEX parts added.                                                                                                                                                                                                                                                          |
| 3.09                         | CH-10702 | 28-02-2006 | Feet gaskets removed SRU1-4. Exploded view drawings amended.                                                                                                                                                                                                               |
| 3.10                         | CH-10847 | 28-02-2006 | SRU3 Vertically ported foot part number changed from 5225.403.00 to 5225.413.00                                                                                                                                                                                            |
| 4                            | 0603     | 01-03-2006 | NEW ISSUE                                                                                                                                                                                                                                                                  |
| 4.01                         |          | 08-04-2008 | Item number corrected to 9630031929 for SRU6 'O' ring for Hyclean single flushed seal conversion kit.                                                                                                                                                                      |
| 4.02                         |          | 08-04-2008 | Bonded washer part number 31499.5916.1 added to ATEX parts.                                                                                                                                                                                                                |
| 4.03                         |          | 08-04-2008 | Item number corrected to 9630878758 for SRU3 vertically ported foot.                                                                                                                                                                                                       |
| 4.04                         | CH-11028 | 08-04-2008 | Part number 6150.324 and item number 9630101746 added to shim set for SRU6 pressure relief valve parts.                                                                                                                                                                    |
| 4.05                         |          | 08-04-2008 | Note referring to qty of packing rings amended on p.62 and p.63                                                                                                                                                                                                            |
| 4.06                         |          | 08-04-2008 | Part and item corrected to 5380.292 (9630031929) for SRU5/116 'O' ring for rectangular-round adaptor.                                                                                                                                                                      |
| 4.07                         |          | 07-07-2008 | Part and item numbers added for SRU6 'O' ring for rectangular-round adaptor.                                                                                                                                                                                               |
| 4.08                         |          | 07-07-2008 | For SRU2-6 Rotary Seal Assembly description corrected to show drive ring included in 74B and not 74A.                                                                                                                                                                      |
| 4.09                         |          | 07-07-2008 | Service Kits added to include Cover/Sealing Kits and R90/Hyclean Single Mechanical Seals.                                                                                                                                                                                  |