



# Sanitary Manually Regulating Valve SMO-R Valve

## Operating Mechanism

Pos.	Qty.	Description	1.5-inch Part No.	2-inch Part No.	2.5-inch Part No.	3-inch Part No.	4-inch Part No.
	1	Complete operating mechanism, polished ....	884-28288	884-28288	884-28288	884-28289	884-28289
	1	Complete operating mechanism, industrial ...	31353-0531-1	31353-0531-1	31353-0531-1	31353-0531-2	31353-0531-2
1	1	Hand wheel .....	31353-0528-1	31353-0528-1	31353-0528-1	31353-0528-1	31353-0528-1
2	1	Lock screw .....	31353-0529-1	31353-0529-1	31353-0529-1	31353-0529-1	31353-0529-1
3	1	Cap .....	31353-0468-1	31353-0468-1	31353-0468-1	31353-0468-1	31353-0468-1
4	1	Washer .....	31353-0467-1	31353-0467-1	31353-0467-1	31353-0467-1	31353-0467-1
5	1	Stem holder .....	31353-0466-1	31353-0466-1	31353-0466-1	31353-0466-1	31353-0466-1
6	1	Guide .....	31353-0459-1	31353-0459-1	31353-0459-1	31353-0460-1	31353-0460-1
7	2	Set screw .....	221581-92	221581-92	221581-92	221581-92	221581-92

## Valve Parts

Pos.	Qty.	Description	1.5-inch Part No.	2-inch Part No.	2.5-inch Part No.	3-inch Part No.	4-inch Part No.
<b>Stem Seal</b>							
8Δ	1	Lip seal, EPDM (standard) .....	31353-0155-1	31353-0155-1	31353-0155-1	31353-0188-1	31353-0188-1
	1	Lip seal, NBR .....	31353-0155-2	31353-0155-2	31353-0155-2	31353-0188-2	31353-0188-2
	1	Lip seal, FPM .....	31353-0155-3	31353-0155-3	31353-0155-3	31353-0188-3	31353-0188-3
<b>Clamp</b>							
9	1	Heavy duty clamp .....	9612-0112-04	9612-01-1204	9612-01-1204	9612-01-1205	9612-01-1205
<b>Valve Body (industrial)</b>							
18	1	Valve body, 2 ports, GC .....	884-25325-0	31353-0030-7	31353-0031-7	31353-0032-7	31353-0066-7
	1	Valve body, 2 ports, W .....	31353-0375-1	31353-0376-1	31353-0380-1	31353-0381-1	31353-0026-1
	1	Valve body, 3 ports, GC .....	884-25796-0	884-2579-5	884-2594-6	31353-0040-7	884-2687-5
	1	Valve body, 3 ports, W .....	31353-0375-6	31353-0376-6	31353-0380-6	31353-0381-6	31353-0026-6
<b>Valve Body (polished)</b>							
18	1	Valve body, lower 2 ports, GC .....	31353-103010	31353-1030-2	31353-1030-3	31353-1030-4	31353-1030-5
	1	Valve body, lower 2 ports, W .....	31353-1100-1	31353-1101-1	31353-1102-1	31353-1103-1	31353-1104-1
	1	Valve body, lower 3 ports, GC .....	31353-103310	31353-1033-2	31353-1031-3	31353-1031-4	31353-1031-5
	1	Valve body, lower 3 ports, W .....	31353-1100-2	31353-1101-2	31353-1102-2	31353-1103-2	31353-1104-2
<b>Valve Plug</b>							
	1	Plug complete, EPDM (standard) .....	31353-0520-1	31353-0521-1	31353-0522-1	31353-0523-1	31353-0524-1
	1	Plug complete, NBR .....	31353-0520-2	31353-0521-2	31353-0522-2	31353-0523-2	31353-0524-2
	1	Plug complete, FPM .....	31353-0520-3	31353-0521-3	31353-0522-3	31353-0523-3	31353-0524-3
11	1	Regulating plug .....	31353-0515-1	31353-0516-1	31353-0517-1	31353-0518-1	31353-0519-1
12	1	Stem .....	31353-0340-1	31353-0377-1	31353-0378-1	31353-0341-1	31353-1007-5
13Δ	1	Packing, EPDM (standard) .....	31353-0320-1	31353-0321-1	31353-0322-1	31353-0324-1	31353-0325-1
	1	Packing, NBR .....	31353-0320-2	31353-0321-2	31353-0322-2	31353-0324-2	31353-0325-2
	1	Packing, FPM .....	31353-0320-3	31353-0321-3	31353-0322-3	31353-0324-3	31353-0325-3
	1	Packing, PTFE .....	31353-1211-1	31353-1212-1	31353-1213-1	31353-1214-1	31353-1215-1
14Δ	1	O-ring, EPDM (standard) .....	990034-01	990034-01	990034-01	990034-01	990034-01
	1	O-ring, NBR .....	223404-21	223404-21	223404-21	223404-21	223404-21
	1	O-ring, FPM .....	223404-35	223404-35	223404-35	223404-35	223404-35
	1	Seal-ring, PTFE .....	9612-4330-01	9612-4330-01	9612-4330-01	9612-4330-01	9612-4330-01
15	1	Screw .....	31353-0514-1	31353-0514-1	31353-0514-1	31353-0514-1	31353-0514-1
Δ	1	<b>Service kit for valve, EPDM .....</b>	<b>9611-92-0010</b>	<b>9611-92-0013</b>	<b>9611-92-0016</b>	<b>9611-92-0019</b>	<b>9611-92-0022</b>
Δ	1	<b>Service kit for valve, NBR .....</b>	<b>9611-92-0011</b>	<b>9611-92-0014</b>	<b>9611-92-0017</b>	<b>9611-92-0020</b>	<b>9611-92-0023</b>
Δ	1	<b>Service kit for valve, FPM .....</b>	<b>9611-92-0012</b>	<b>9611-92-0015</b>	<b>9611-92-0018</b>	<b>9611-92-0021</b>	<b>9611-92-0024</b>

Parts marked with Δ are included in the valve service kits.

## Recommended Spare Parts: Service kit

Central States Industrial  
2700 Partnership Boulevard  
Springfield, MO 65803  
800.654.5635  
<http://www.csidesigns.com>

## Alternative for Stem Seal

Pos.	Qty.	Description	1.5-inch Part No.	2-inch Part No.	2.5-inch Part No.	3-inch Part No.	4-inch Part No.
<b>Stem Seal</b>							
8	1	Lip seal kit, EPDM (standard) .....	9611-92-0078	9611-92-0078	9611-92-0078	9611-92-0142	9611-92-0142
	1	Lip seal kit, NBR .....	9611-92-0079	9611-92-0079	9611-92-0079	9611-92-0143	9611-92-0143
	1	Lip seal kit, FPM .....	9611-92-0080	9611-92-0080	9611-92-0080	9611-92-0144	9611-92-0144
a	1	Lip seal, EPDM (standard) .....	9612-2806-01	9612-2806-01	9612-2806-01	9612-3088-01	9612-3088-01
	1	Lip seal, NBR .....	9612-2806-02	9612-2806-02	9612-2806-02	9612-3088-02	9612-3088-02
	1	Lip seal, FPM .....	9612-2806-03	9612-2806-03	9612-2806-03	9612-3088-03	9612-3088-03
b	1	Plate .....	9612-2805-01	9612-2805-01	9612-2805-01	9612-3087-01	9612-3087-01
c	1	Seal ring, EPDM (standard) .....	31353-0128-1	31353-0128-1	31353-0128-1	31353-0205-1	31353-0205-1
	1	Seal ring, NBR .....	31353-0128-2	31353-0128-2	31353-0128-2	31353-0205-2	31353-0205-2
	1	Seal ring, FPM .....	31353-0128-3	31353-0128-3	31353-0128-3	31353-0205-3	31353-0205-3
<b>FEP Seal</b>							
8d	1	Washer .....	31353-0452-1	31353-0452-1	31353-0452-1	31353-0452-2	31353-0452-2
e	1	O-ring FEP/Silicone .....	9611-99-2909	9611-99-2909	9611-99-2909	9611-99-2910	9611-99-2910
f	1	Holder .....	31353-0453-1	31353-0453-1	31353-0453-1	31353-0454-1	31353-0454-1
g	1	Valve body packing .....	31353-0451-1	31353-0451-1	31353-0451-1	31353-0451-2	31353-0451-2
•	1	<b>Service kit for alternative stem seal, EPDM .....</b>	<b>9611-92-0471</b>	<b>9611-92-0475</b>	<b>9611-92-0479</b>	<b>9611-92-0483</b>	<b>9611-92-0491</b>
•	1	<b>Service kit for alternative stem seal, NBR .....</b>	<b>9611-92-0472</b>	<b>9611-92-0476</b>	<b>9611-92-0480</b>	<b>9611-92-0484</b>	<b>9611-92-0492</b>
•	1	<b>Service kit for alternative stem seal, FPM .....</b>	<b>9611-92-0473</b>	<b>9611-92-0477</b>	<b>9611-92-0481</b>	<b>9611-92-0485</b>	<b>9611-92-0493</b>
•	1	<b>Service kit for alternative stem seal, FEP .....</b>	<b>9611-92-0474</b>	<b>9611-92-0478</b>	<b>9611-92-0482</b>	<b>9611-92-0486</b>	<b>9611-92-0494</b>

Parts marked with • are included in the alternative stem seal service kits.