

 **Bornemann**

SLH-4G

The Premium Hygienic Twin Screw Pump



CSI

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ITT

ENGINEERED FOR LIFE

SLH-4G

ITT Bornemann has many years of experience working with customers and understanding the food processing industry. The twin-screw technology utilized in the SLH series pump has become the hygienic standard in the food industry.

In the SLH-4G, Bornemann is offering all advantages of a hygienic twin-screw pump with a number of customized features and options. This gives customers a high-quality and best solution in a wide range of applications.

The SLH-4G design features include:

- Three part design (Cover, Pump Casing, Intermediate Flange)
- Different flange diameters
- Hygienic form ring elastomers
- Cartridge mechanical seals

Connections:

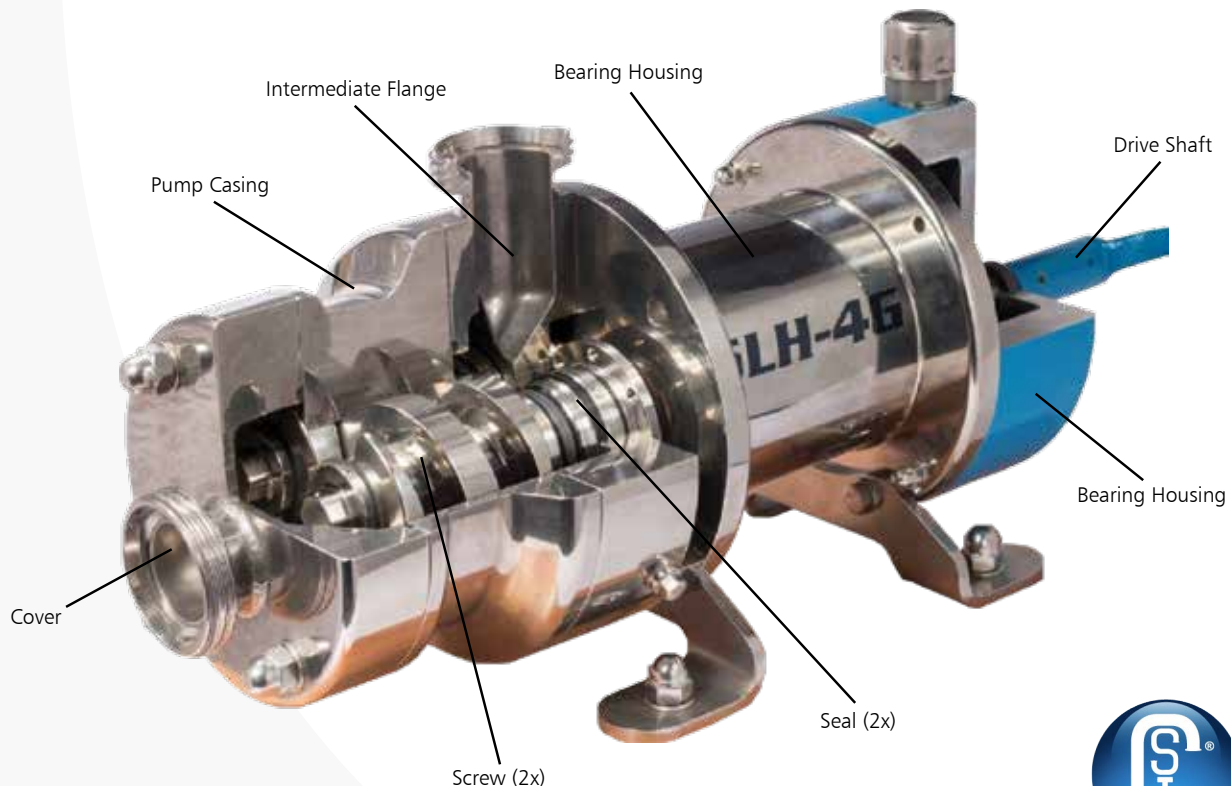
- DIN 11851
- DIN 11864-2
- Tri-Clamp (DIN 32676)
- SMS 1145
- Other connections available

Materials:

- Product-contact materials: 1.4404 / 316L
- Product-contact elastomers: HNBR / EPDM / FKM
- Other materials on request

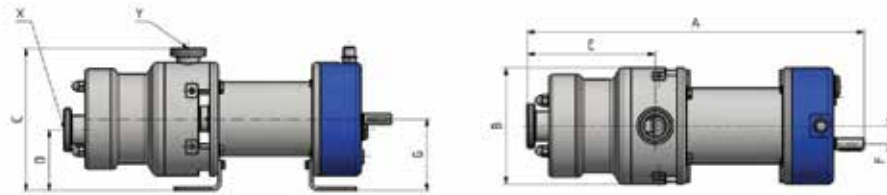
The SLH-4G feature and options:

- Aseptic application (EHEDG EL type Aseptic certified)
- Customized flanges
- Heating / cooling jacket on pump casing
- Wear protection options
- Higher surface finishes available



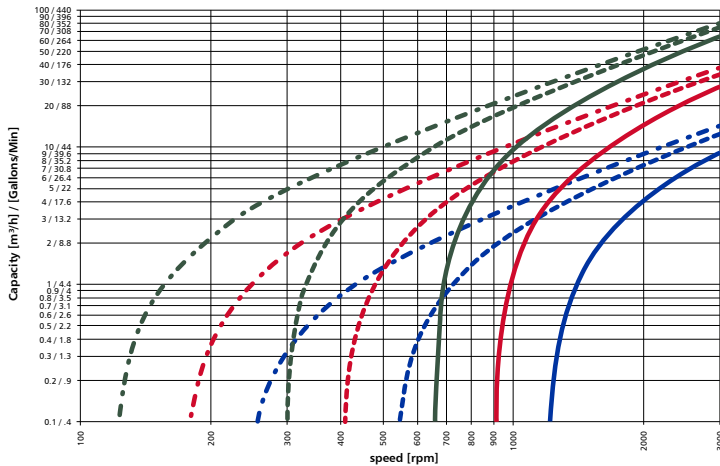
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Operating Data	Application	Unit	Size					
			1000	2000	3000	4000	5000	6000
Capacity	Medium	m ³ /h gpm	8 35	25 110	50 220	100 440	200 880	300 1321
	CIP		12 53	40 176	100 440	200 800	300 1321	500 2200
Differential Pressure	Medium CIP	bar psi	25 362					
Rotation Speed	Medium CIP	min ⁻¹ RPM	3000 / 3600 (US)				2600	2200
Viscosity	Medium	cst cp	1,000,000					
	CIP		1					
Temperature	Medium	°C °F	200 392					
	CIP		95 203					
	SIP		150 302					



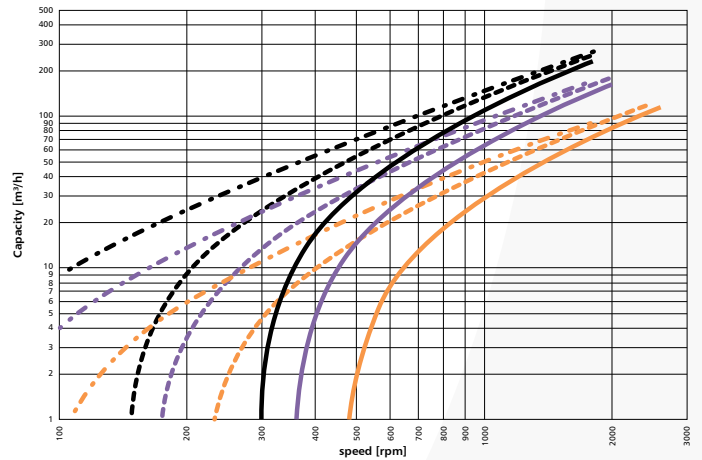
Model	A (mm / inch)	B (mm / inch)	C (mm / inch)	D (mm / inch)	E (mm / inch)	F (mm / inch)	G (mm / inch)	X	Y	Weight in Kg/lbs
1000	470 / 18.50	178 / 7.00	230 / 9.06	101.5 / 4	175 / 6.89	112 / 4.41	112 / 4.41	DN50-DIN 11851, 2"-Tri-Clamp	DN50-DIN 11851, 2"-Tri-Clamp	40 / 88
2000	605 / 23.82	208 / 8.19	265 / 10.43	120 / 4.75	230 / 9.06	132 / 5.20	132 / 5.20	DN65-DIN 11851, 2.5"-Tri-Clamp	DN65-DIN 11851, 2.5"-Tri-Clamp	61 / 134
3000	705 / 27.76	258 / 10.16	325 / 12.80	142 / 5.56	275 / 10.83	160 / 6.30	160 / 6.30	DN80-DIN 11851, 3"-Tri-Clamp	DN80-DIN 11851, 3"-Tri-Clamp	116 / 255
4000	859 / 33.82	318 / 12.50	415 / 16.34	157 / 6.19	335 / 13.19	180 / 7.09	180 / 7.09	DN100-DIN 11851, 4"-Tri-Clamp	DN100-DIN 11851, 4"-Tri-Clamp	230 / 506
5000	1023 / 40.28	398 / 15.67	495 / 19.50	211.5 / 8.31	390 / 15.25	250 / 9.84	250 / 9.84	DN125-DIN 11851, 4"-Tri-Clamp	DN125-DIN 11851, 4"-Tri-Clamp	420 / 924
6000	1165 / 45.87	448 / 17.64	540 / 21.25	225 / 8.88	450 / 17.72	280 / 11.00	280 / 11.00	DN150-DIN 11851, 6"-Tri-Clamp	DN150-DIN 11851, 6"-Tri-Clamp	700 / 1540

Performance Curve - 6 bar



- SLH4G 3000 - 1 mm²/s, cps
- - - SLH4G 3000 - 100 mm²/s, cps
- · · SLH4G 3000 - 1000 mm²/s, cps
- SLH4G 2000 - 1 mm²/s, cps
- - - SLH4G 2000 - 100 mm²/s, cps
- · · SLH4G 2000 - 1000 mm²/s, cps
- SLH4G 1000 - 1 mm²/s, cps
- - - SLH4G 1000 - 100 mm²/s, cps
- · · SLH4G 1000 - 1000 mm²/s, cps

Performance Curve - 6 bar



- SLH4G 4000 - 1 mm²/s, cps
- - - SLH4G 4000 - 100 mm²/s, cps
- · · SLH4G 4000 - 1000 mm²/s, cps
- SLH4G 5000 - 1 mm²/s, cps
- - - SLH4G 5000 - 100 mm²/s, cps
- · · SLH4G 5000 - 1000 mm²/s, cps
- SLH4G 6000 - 1 mm²/s, cps
- - - SLH4G 6000 - 100 mm²/s, cps
- · · SLH4G 6000 - 1000 mm²/s, cps

Applications for the SLH-4U

- Dairy
- Beverages
- Convenience food
- Personal care
- Pharmaceuticals
- Chocolate & Sweets
- Sugar
- Baked goods
- Meat & Animal food
- Tomato Paste & Ketchup
- Flavors & Fragrances



The Specialist for Twin-Screw Pumps

Europe, Middle East, Africa

ITT Bornemann GmbH
31683 Obernkirchen
Germany

North America

ITT Engineered Valves, LLC
33 Centerville Road
Lancaster, PA 17603
UNITED STATES OF AMERICA

Asia Pacific

ITT fluid Technology Asia Pte. Ltd.
10 Jalan Kilang #06-01 Sime Darby
Enterprise Centre
159410 Singapore
SINGAPORE

Latin America

Bombas Bornemann S.R.L. Mariano
Moreno 4380
B1605BOD Munro
Prov. Buenos Aires
ARGENTINA

Australia

ITT Industrial Process -
Australia Sales
29 Paramount Drive
WANGARA, WA 6065
AUSTRALIA

RUSSIA

LLC ITT Industries Rus
125167 Leningradsky Avenue,37A
building 14
Moscow
RUSSIA



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