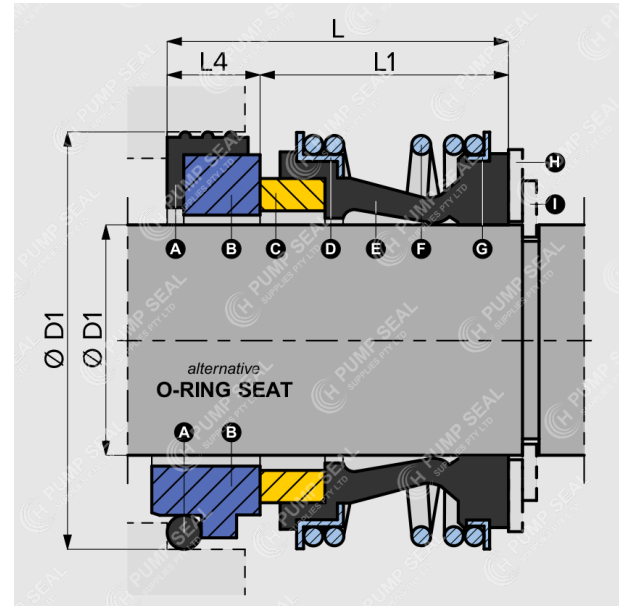


HGS/A

'ABS® SULZER® - RUBBER BELLOWS'
SPECIFICATION SHEET

► **Rubber Bellows Seal**
► **Suits ABS® / Sulzer® Pumps**

HGS/A are rubber bellows seals with dimensions specifically intended to suit the special seal chambers in Sulzer® (formerly ABS®) pump ranges including AF, AFP, AS, Piranha, RW and XFP. Available in either cup or o-ring mounted seats equivalent to OEM.

Materials are typically supplied in SiC/SiC heavy-duty faces with Viton® elastomers, suitable for use in dirty water applications.

Depending on the pump configuration, a back washer (not included) is required if the seal is set against a shaft circlip.

► **Operating conditions¹**

Temperature: -20°C to +200°C
Pressure: < 12 bar, 232 psi, 1.2 MPa
Speed: < 10m/s, 2000 fpm
rpm < 600000/(3.14 x D1)

¹ Guide-values only (due to diversity of possible applications). Enquire for specific-use cases. Maximum values of each parameter cannot be applied together.

► **Materials**

Rotary Face: SiC
Stationary Face: SiC
Elastomers: Viton®
Metal Parts: 304SS

PARTS

- 1 Washer (not included)
 - 2 Circlip
- A** Stationary Cup or O-ring
B Stationary Face / Ring
C Rotary Face / Ring
D Rotary "L" Ring
E Rotary Rubber Bellows
F Rotary Spring
G Rotary "L" Ring

EQUIVALENT

Type 195

DIMENSIONS

D1 = Shaft Size D7 = Seat Cavity L4 = Seat Height
L1 = Rotary W.L. ○ = O-ring Seat • = washer required

D1	L1		D7	L4	L	OEM
15mm	HG1	17.0	35.0	4.0	21.0	11110172
			24.6	7.0	24.0	-
20mm	HG1	21.5	35.0	7.5	29.0	11110001
			38.0	7.5	29.0	-
25mm	HG1S5	22.5	40.0	6.0	28.5	• 11110197
			40.5	8.5	31.0	• 11110095
			50.0	5.0	27.5	-
30mm	HG1S15	24.0	50.8	9.5	33.5	• 11110096
	HG1	26.5	50.8	7.0	33.5	• -
40mm	HG1S4	33.5	58.0	9.0	42.5	• 11110144
			○ 58.0	11.0	44.5	• 11110055
	HG12	36.0	58.0	9.0	45.0	• -
45mm	HG1	30.0	65.5	12.5	42.5	• 11110093
48mm	HG1	30.5	○ 67.0	10.0	40.5	• 11110003
55mm	HG1	35.0	76.2	13.5	48.5	• 11110135
			76.2	13.5	48.5	• 11110094
			75.4	12.0	47.0	• 11110196
65mm	HG1S15	39.0	86.0	13.0	52.0	• -
			○ 86.0	13.0	52.0	• 11110050
			85.0	11.0	50.0	11110203
80mm	HG1	40.0	104.0	15.0	55.0	• 11110051
	HG1S15	36.0	105.0	12.0	48.0	• 11110204
90mm	HG1	45.0	114.0	13.3	58.3	• 11110052
			○ 114.0	13.3	58.3	• 11110052
100mm	HG1S15	46.0	123.3	13.3	59.3	• 11110053
			○ 123.3	13.3	59.3	• 11110053

Dimensional tolerance: ±0.5 mm

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