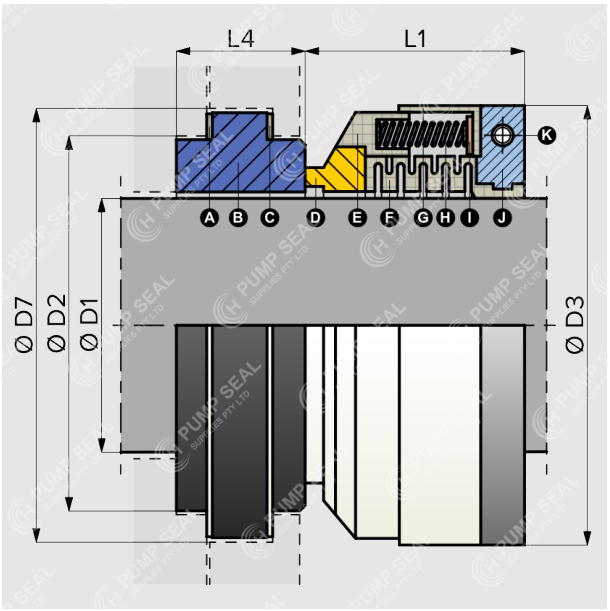
HWB2

'TYPE WB2'
SPECIFICATION SHEET





- **Externally Mounted**
- **PTFE Bellows**
- **Multi-Spring Pusher**
- **Imperial & Metric Sizes**
- **Suits Chemicals & Corrosives**

HWB2 is a mechanical seal designed to be mounted externally, such that no metal parts are in contact with the process fluid. This makes it ideal for use with highly acidic or chemically corrosive media.

The bellows is extended to allow a two-piece split clamp to tighten and drive the rotary.

The seal is based on the historical "WB2" design, running against industry standard "V" clamped seat. It can also run against many other standardised seats.

- **Operating conditions**[1]

Temperature: -40°C to +120°C
Pressure: < 5 bar, 72 psi, 0.5 MPa
Speed: < 10m/s, 2000 fpm
rpm < 600000/(79.8 x D1 inch)
rpm < 600000/(3.14 x D1 mm)

- **Material Options**

Rotary Face: Glass-filled PTFE
Stationary Face: SiC or CER
Metal Parts: 304SS
All Other Parts: Virgin PTFE

PARTS

A Stationary PTFE Gasket
B Stationary Face / Ring
C Stationary PTFE Gasket
D Rotary Face / Ring
E Rotary PTFE Holder
F Rotary PTFE Bellows
G Rotary PTFE Cover
H Rotary Multi-Springs
I Rotary Washer (Bakelite)
J Rotary Split Clamp
K Rotary Cap Screws

SEAT OPTIONS

V standard
L alternative metric

EQUIVALENT

WB2
152

V Seat:
S08 / S08U
Type 25

DIMENSIONS

D1 = Shaft Size D7 = Seat Cavity D2 = Seat Step Cavity
D3 = Rotary OD L4 = Seat Height L1 = Rotary W.L.

D1	D3	D2	D7	L4	L1
25mm	60.0	47.0	60.0	27.0	45.0
1.000”	60.0	42.9	54.0	17.5	45.0
1.125”	67.0	46.0	60.0	27.0	45.0
30mm	67.0	67.0	67.0	27.0	45.0
1.250”	69.0	50.8	65.0	27.0	45.0
32mm	69.0	50.7	64.0	27.0	45.0
1.375”	72.0	54.0	68.0	27.0	45.0
35mm	72.0	57.0	70.0	27.0	45.0
1.500”	76.0	57.2	70.0	27.0	45.0
40mm	78.0	62.0	76.0	26.0	45.0
1.625”	80.0	63.5	78.0	27.0	45.0
1.750”	84.0	66.7	81.0	27.0	46.0
45mm	84.0	67.0	82.0	27.0	46.0
1.875”	86.0	69.9	84.0	27.0	46.0
50mm	88.0	72.0	86.0	27.0	46.0
2.000”	90.0	73.0	97.0	27.0	46.0
2.125”	95.0	79.4	97.0	33.5	46.0
55mm	95.0	77.0	90.0	27.0	46.0
2.250”	98.0	82.6	100.0	33.5	46.0
60mm	100.0	82.0	95.0	27.0	46.0
2.375”	100.0	85.7	103.0	33.5	46.0
65mm	105.0	87.0	100.0	27.0	46.0

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

© 2025 Pump Seal Supplies Pty Ltd
No part of this publication may be reproduced or transmitted in any form without permission