

TBR PTFE bellows seal

An outside mounted, nonmetallic PTFE bellows seal has proven performance in highly corrosive applications, eliminating elastomer secondary seal problems such as shaft fretting and shaft packing hang-up.



Features and Benefits

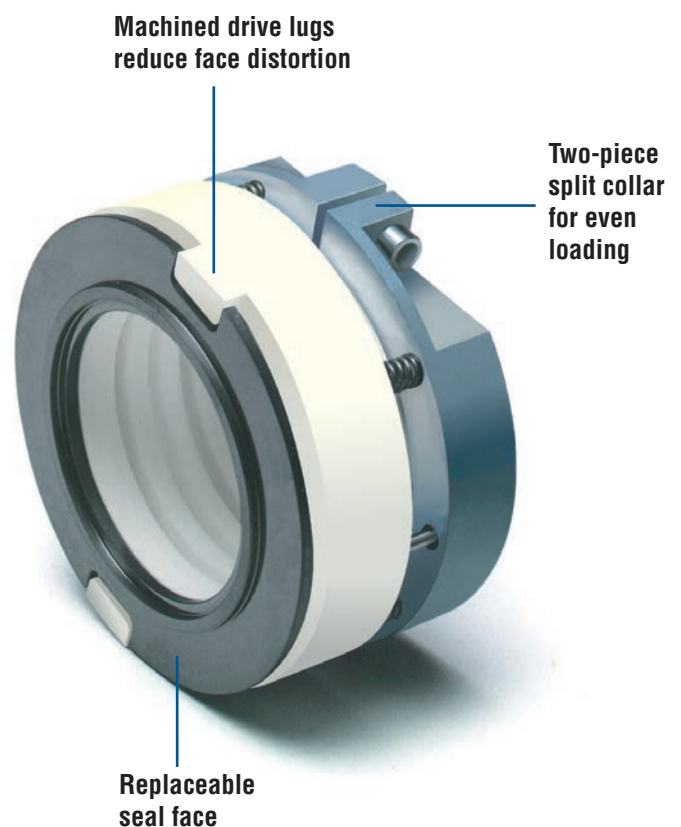
- PTFE bellows provide nearly universal chemical resistance for a wide range of services.
- Non-wetted metal parts eliminate the need for expensive metallurgies.
- The TBR bellows is inherently hydraulically balanced to ensure proper face loading.
- Installs easily on outside of stuffing box.
- Replaceable seal face for low cost repairs.
- No elastomers are required.

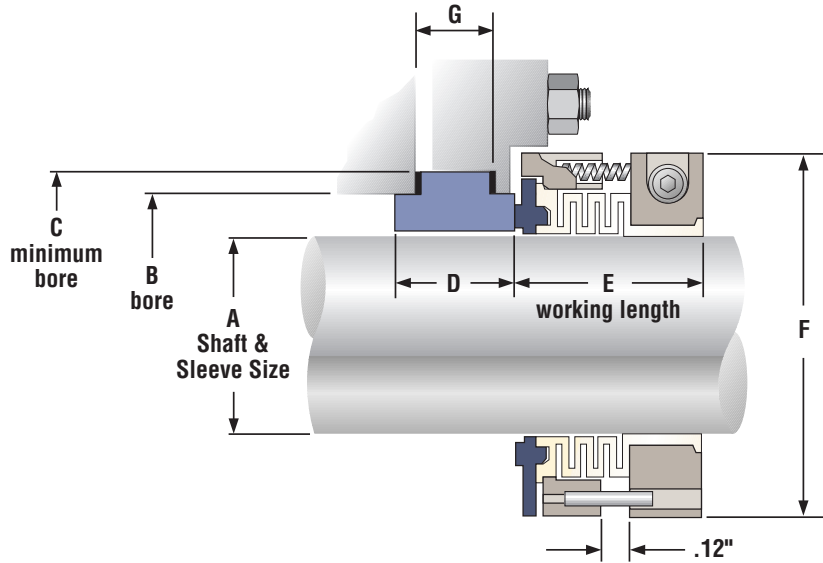
Operating Parameters

Pressure	Up to 75 psig (5 bar)
Temperature	160°F (71°C)
Speed	3600 rpm

Materials of Construction

Seal ring	Carbon, silicon carbide and glass-filled PTFE
Insert	Silicon carbide and ceramic
Bellows	PTFE
Collar	316 stainless steel and Alloy C-276





Dimensional Data in inches (millimeters)

A Shaft & Seal Size ±.001" (.025mm)	B ±.005" (.127mm)	C	D	E	F	G
1.000 (25.40)	1.625 (41.28)	2.000 (50.80)	.75 (19.05)	1.12 (28.45)	2.25 (57.15)	.500 (12.70)
1.125 (28.58)	1.750 (44.45)	2.000 (50.80)	.88 (22.35)	1.12 (28.45)	2.38 (60.45)	.625 (15.88)
1.250 (31.75)	1.875 (47.63)	2.250 (57.15)	.88 (22.35)	1.12 (28.45)	2.50 (63.50)	.625 (15.88)
1.375 (34.93)	2.000 (50.80)	2.375 (60.32)	.88 (22.35)	1.12 (28.45)	2.62 (66.55)	.625 (15.88)
1.500 (38.10)	2.125 (53.97)	2.500 (63.50)	.88 (22.35)	1.25 (31.75)	2.75 (69.85)	.625 (15.88)
1.625 (41.28)	2.375 (60.32)	2.750 (69.85)	.88 (22.35)	1.25 (31.75)	2.88 (73.15)	.625 (15.88)
1.750 (44.45)	2.500 (63.50)	2.905 (73.79)	.88 (22.35)	1.50 (38.10)	3.00 (76.20)	.625 (15.88)
1.875 (47.63)	2.625 (66.68)	2.875 (73.02)	.88 (22.35)	1.50 (38.10)	3.12 (79.25)	.625 (15.88)
2.000 (50.80)	2.750 (69.85)	3.125 (79.38)	.88 (22.35)	1.50 (38.10)	3.38 (85.85)	.625 (15.88)
2.125 (53.97)	2.875 (73.02)	3.250 (82.55)	.88 (22.35)	1.50 (38.10)	3.50 (88.90)	.625 (15.88)
2.250 (57.15)	3.000 (76.20)	3.375 (85.73)	.88 (22.35)	1.50 (38.10)	3.62 (91.95)	.625 (15.88)
2.375 (60.32)	3.125 (79.38)	3.500 (88.90)	.88 (22.35)	1.62 (41.15)	3.75 (95.25)	.625 (15.88)
2.500 (63.50)	3.375 (85.73)	3.750 (95.25)	.88 (22.35)	1.62 (41.15)	3.88 (98.55)	.625 (15.88)
2.625 (66.68)	3.625 (92.07)	4.000 (101.60)	.88 (22.35)	1.62 (41.15)	4.00 (101.60)	.625 (15.88)
2.750 (69.85)	3.750 (95.25)	4.125 (104.77)	.88 (22.35)	1.62 (41.15)	4.12 (104.65)	.625 (15.88)
2.875 (73.02)	3.875 (98.43)	4.250 (107.95)	.88 (22.35)	1.62 (41.15)	4.25 (107.95)	.625 (15.88)
3.000 (76.20)	4.000 (101.60)	4.375 (111.13)	.88 (22.35)	1.62 (41.15)	4.38 (111.25)	.625 (15.88)

Note: For sizes and conditions not listed, contact your local Flowserve Representative.

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