



Durametallic Seals

VRA-C

An outside mounted dry running single seal designed specifically for use on top-entry agitator and mixer services. The contacting dry running design eliminates the need for a buffer fluid system while handling run out up to 0.150" FIM.

Features/Benefits

- Self-lubricating carbon or filled PTFE seal face runs completely dry without cooling Long life and reliability are achieved in the dry vapor space at the top of the mixer vessel while eliminating product contamination from liquid barrier fluids.
- Flexible rotor design compensates for shaft misalignment Clearances, drive design, seal face dimensions, and O-ring
 configuration were optimized for the high run-out requirements of mixers and similar equipment. The VRA operates at
 eccentric run-out levels up to 0.150" FIM.
- Double O-ring mounted stator prevents distortion Various configurations are available to fit different equipment types.
- Non-metallic collar option provides superior chemical resistance Designated the VRA-C, a two-piece collar design eliminates the need for expensive exotic metal alloys in non-wetted areas.

Optional sanitary gland allows steam cleaning and sterilizing of the seal's interior while mounted on the equipment Sanitary porting aids in the removal of steam cleaning debris.

Materials of Construction

Seal ring: Carbon, Filled PTFE

Insert: Durchrome®,

Tungsten Carbide,

Aluminum Oxide

Collar: 316 Stainless Steel,

Filled PTFE

Elastomers: Fluoroelastomer,

Perfluoroelastomer, EPR

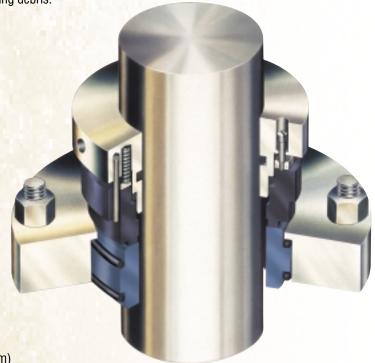
* Food grade materials of construction also available

Operating Parameters

Pressures: Full vacuum to 200 psi (13.8 bar)
 Temperatures: Up to 300°F (Up to 149°C)

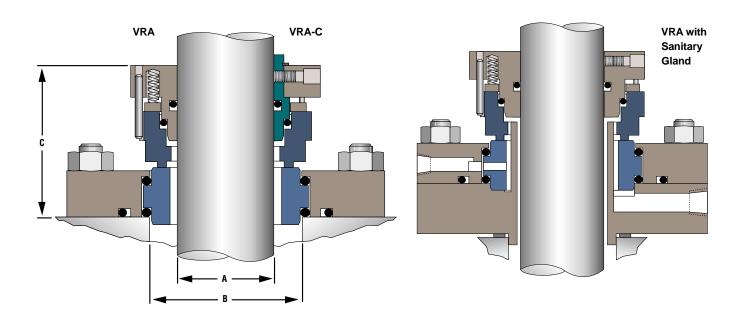
Shaft Speeds: Up to 350 rpm

• Sizes: 1.000" to 7.000" (25mm to 178mm)





BW Seals Durametallic Seals Pacific Wietz Seals Pac-Seal



Dimensional Data (dimensions in inches)

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Α	В	С	Α	В	С	
1.000	2.000	3.00	4.250	5.250	3.25	
1.250	2.250	3.00	4.500	5.500	3.25	
1.500	2.500	3.00	4.750	5.750	3.25	
1.750	2.750	3.00	5.000	6.000	3.25	
2.000	3.000	3.00	5.250	6.250	3.25	
2.250	3.250	3.00	5.500	6.500	3.25	
2.500	3.500	3.00	5.750	6.750	3.25	
2.750	3.750	3.00	6.000	7.000	3.25	
3.000	4.000	3.00	6.250	7.250	3.25	
3.250	4.250	3.00	6.500	7.500	3.25	
3.500	4.500	3.00	6.750	7.750	3.25	
3.750	4.750	3.25	7.000	8.000	3.25	
4.000	5.000	3.25				

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

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