



PSW

The Onyx Isolator Ring provides a simple, method to measure pressure of slurries and corrosive fluids. The PSW series is compatible with flanged pipe connections. Nesting inside the bolt circle of mating flanges provides accurate alignment and minimum weight at the lowest installed cost.

The inside diameter of the PSW precisely matches standard pipe for smooth, unobstructed flow, self-cleaning operation, and minimum turbulence and friction. Onyx ultra-deep vacuum filling insures the highest accuracy in the industry. The patented "Module Seal" - standard on all Onyx Isolator Rings - allows instruments to be or replaced or calibrated with minimum down time.

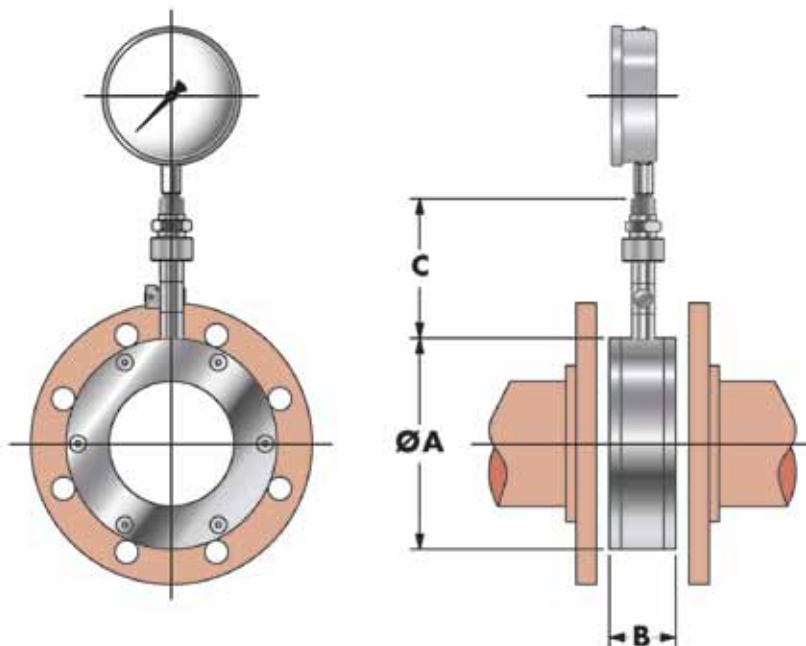
Materials of Construction

Center Section:	Carbon Steel	Carbon-Kynar Coat	316 Stainless Steel
End Plates:	Acetal (Standard) 316 Stainless Steel Teflon	Kynar Titanium	UHMW-PE Carpenter-20
Elastomer: (Available with optional Teflon coatings)	Nitrile (Buna-N) EPDM* (Nordel*) Neoprene Viton Hypalon	-30°F → 220°F -40°F → 300°F -20°F → 220°F -15°F → 375°F -10°F → 250°F	
Fill Fluid:	Silicone Fluid Food Grade Silicone	-40°F → 400°F -20°F → 400°F	
Module Seal Stinger Fitting:	Brass	316 Stainless Steel	
Pipe Fittings:	Carbon Steel	316 Stainless Steel	
Pressure Range:	Vacuum to +1,000 psi	The Onyx Isolator ring has been tested by an independent lab to 1,500 psi.	



Benefits:

- Absolute immunity to clogging
- Combines accurate alignment, reduced weight, and maximum economy
- Mates with 150# flanges, compatible with 300# or 600# flanges with adapters
- Superior accuracy compared to diaphragm seals
- No tools required to change pressure instrument
- High displacement design can operate up to three instruments on one ring



Size	ØA	B	C
1	2.50	1.87	4.50
1 ½	3.25	1.87	4.50
2	4.00	1.87	4.50
2 ½	4.75	1.87	4.50
3	5.25	1.87	4.50
4	6.75	2.12	4.50
5	7.62	2.25	4.50
6	8.62	2.25	4.50
8	10.87	2.25	4.50
10	13.25	2.81	4.50
12	16.00	3.12	4.50
14	17.62	3.12	4.50
16	20.12	3.12	4.50
18	21.50	3.12	5.37
20	23.75	3.12	5.37
24	28.12	3.12	5.37
28	32.62	3.12	5.37
30	34.62	3.12	5.37
36	41.12	4.00	5.37