

## Data Sheet

### 82 Threaded Isolation Ring

#### FEATURES

- 360° instrument rotation and removal with Safe Quick Release™ (SQR™) option
- Process connections ½ thru 2 NPT
- Selection of ¼ or ½ NPT instrument connections
- Non-clogging, low maintenance flow-thru design
- Ensures reliable and accurate pressure readings
- Attaches to a variety of instruments
- NSF-61 Compliant (316L Stainless steel / EPDM Only)

#### TYPICAL USES

- Water and wastewater
- Mining
- Pulp and paper
- Chemicals



#### SPECIFICATIONS

Process connection:	½ thru 2 NPT
Flexible liner:	Buna-N, EPDM, Natural rubber, Viton™, PTFE
End plate material	316 Stainless steel, carbon steel, PVDF
Body material:	316 Stainless steel or carbon steel
Instrument connection size	¼ or ½ NPT
Added Tolerance:	±0.5% typical
Pressure Rating:	150-PSI
Approvals:	NSF-61 (316L Stainless steel / EPDM Only)

#### WETTED COMPONENTS

End Plate Material	Flexible Liner
Carbon steel, 316L Stainless steel, PVDF	Buna-N, PTFE, EPDM, Natural rubber, and Viton™

#### NON-WETTED COMPONENTS

Body	Instrument Fittings
Carbon Steel, 316 Stainless steel	Adapters: 316L Stainless steel Needle Valve: 316L Stainless steel SQR: Zinc-plated carbon steel

#### KEY BENEFITS

- Protects instrumentation from clogging
- Short lead times
- Economical design
- Variety of fill fluids for every application

#### TEMPERATURE LIMITS

Liner:	Buna-N	-30/225 °F (-34/107 °C)
	Viton™	-15/350 °F (-25/177 °C)
	Natural rubber	-30/225 °F (-34/107 °C)
	EPDM	-40/300 °F (-40/149 °C)
Fill fluids:	Glycerin	0/400 °F (-18/204 °C)
	Silicone (10Cst):	-40/500 °F (-40/260 °C)
	Halocarbon®	-30/225 °F (-34/107 °C)

Consult Factory for Additional Fluids

# Data Sheet

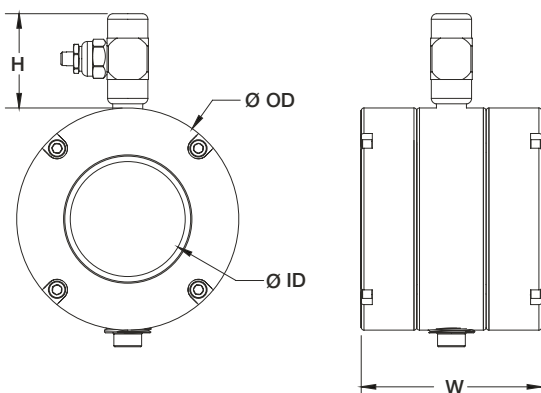
## 82 Threaded Isolation Ring

ORDERING CODE	Example:	82	50	E	B	B	02T	N	000	XCK
<b>Seal Model</b>										
82 - Barrel style threaded isolation ring		82								
<b>Process Connection Size</b>										
50 - ½ NPT			50							
01 - 1 NPT										
15 - 1½ NPT										
02 - 2 NPT										
<b>Inner Flexible Wall</b>										
E - Buna-N				E						
T - PTFE (available in 2 NPT only)										
Y - Viton™										
R - Natural Rubber										
P - EPDM (NSF-61 Compliant)										
<b>End Plate Material</b>										
B - Carbon steel					B					
S - 316L Stainless steel (NSF-61 Compliant)										
F - PVDF										
<b>Body Material</b>										
B - Carbon Steel						B				
S - 316L Stainless steel										
<b>Instrument Connection Size</b>										
02T - ¼ NPT Female							02T			
04T - ½ NPT Female										
<b>Instrument Removal Option</b>										
N - Direct-mount								N		
V - Needle valve										
Q - Safe Quick Release™ (SQR™)										
Z - Needle valve and SQR™										
<b>Pressure Class</b>										
000 - Not applicable to 82 threaded isolation ring									000	
<b>Options (if choosing option(s) must include an "X")</b>										X__
<b>Fill Fluid</b>										
CG - Glycerin										
CK - Silicone SF-96										CK
CF - Halocarbon®										

When selecting an instrument, refer to the [Diaphragm Seal Pressure & Temperature Min/Max Guide](#) for compatibility with this diaphragm seal or scan the QR code to the right.



### DIMENSIONS in inches



Nom. Pipe Size	Inner Dia. (ID)	Outer Dia. (OD)	Width (W)	Thread (NPT-TP)	(H) Height		
					(None)	(V) Valve	(SQR)
½"	1.05	3.00	3.00	.5 - 14	0	1.70	2.04
1"	1.05	3.00	3.25	1 - 11.5			
1½"	1.61	3.50	3.25	1½ - 11.5			
2"	2.07	4.00	3.25	2 - 11.5			

All specifications are subject to change without notice. All sales subject to standard terms and conditions. Ashcroft®, Safe Quick Release (SQR)™ and Trust the Shield® are trademarks of Ashcroft Inc. The following non-Ashcroft trademarks are the property of their respective owners: Halocarbon® and Viton™.

For more information, see [Ashcroft Brands & Trademarks](#)

©2024 Ashcroft Inc. 82\_thread\_isoring\_ds\_RevD\_08-16-24

Distributed by Valin Corporation | [www.valin.com](http://www.valin.com) | (800) 774-5630 | [customerservice@valin.com](mailto:customerservice@valin.com)

[ashcroft.com](http://ashcroft.com) | 1.800.328.8258 | [Contact Us](#)