

1010FR Flushing Rings

The SOR 1010FR Flushing Rings

are designed to be installed between an instrument and a standard ASME flange and can be used with any flanged, pancake, or inline diaphragm seal. The SOR 1010FR Flushing Rings meet all of your requirements for flushing, calibration, and drip rings.

One or two flushing connections will allow the buildup that accumulates in front of the diaphragm to be flushed out or vented without disconnecting the transmitter. As the name 'drip rings' implies, the flushing connections can be used to drain piping, take samples, or even bleed a valve.

When used as a calibration ring, a known pressure is applied to one of the flushing connections while the attached instrument is cycled through a calibration routine. The SOR 1010FR Flushing Rings can also be installed without flushing connections as a spacer or to provide heat dissipation.

Features

Built to Order

SOR leverages our world class machine shop to provide product that meets your exact requirements with the delivery your application demands. Never again feel trapped by off-the-shelf choices or long lead times.

Material Selection

SOR can provide any material your application requires. Standard construction uses carbon steel or 316/316LSST, but Monel, Hastelloy, and other materials are available. If your valves require a different material than the rings, just let us know. SOR can provide your solution.

Installation Flexibility

Whether your design requires the rings to be clamped between the flange and transmitter seal, or you prefer through-holes for on-stud mounting, SOR can provide exactly what you need.

Flushing Connections

SOR can provide the rings with zero, one, or two lateral ports with the flushing connection type you require. SOR can also provide gate, ball, needle valves, or any other valves you specify which can be welded to the rings to eliminate the need for threads entirely.

Universal Fit

The SOR 1010FR Flushing Rings can be designed for compatibility with any transmitter or device on the market, allowing the instrument to be caibrated without needing to remove it or shut down the process.

Sizing Options

SOR offers flange side and diaphragm side transition sizing. This allows a flange of a larger size to be matched to a diaphragm of a smaller size without added material and installation costs. You only need to purchase the SOR Flushing Rings to meet your unique requirements.

World Class Manufacturing

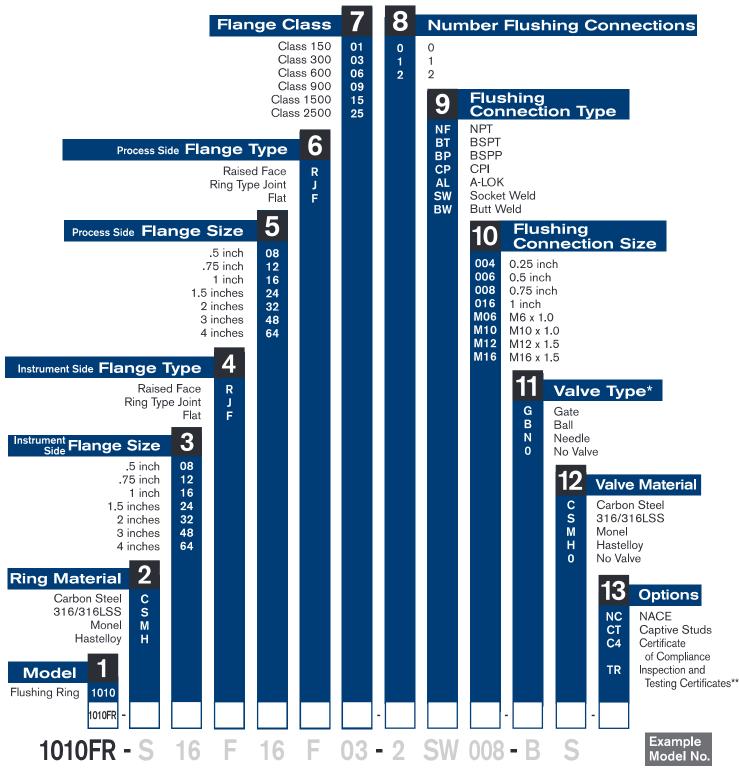
SOR can manufacture your product to meet any standard you require, including ASME, NACE, and ASTM. Inspection reports are provided to meet your requests.

Tagging

Standard Flushing Ring configurations come with 2 lines (23 characters and spaces per line) included for customer specified tagging information at no additional charge. Options selected may limit the space available for tagging; consult the factory for more information

How to Order

Here is the SOR quick select model number tree that provides you with all the options to configure and order a product for your application. You must select a designator for each component. *If you do not see what you need, please consult the factory and a special configuration will be engineered.*



^{*}Options may change specifications and dimensions, contact Customer Service for more information.

^{**} If TR option is selected, please fill out Inspection and Testing Certifications form on page 4.

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Application Data Sheet

						Date		
Name				Phone				
Company/Location				Email				
Customer PO				Sales Order No				
Design / Construct	ion							
		Design Temperature			Process Media			
Ring material of construction		☐ Carbon steel☐ Monel 400		316LSS elloy C276	☐ Other	(please	specify)	
Ring Connections								
Instrument side flange size	□ 0.5 inch □ 3 inches	□ 0.75 inch □ 4 inches	☐ 1 ind ☐ Othe		☐ 1.5 inches ☐ Metric	☐ 2 inches		
Instrument side flan	ge configuration	☐ Raised Face	☐ Ring	Type Joint	☐ Flat	Other		
Process side flange size	□ 0.5 inch □ 3 inches	□ 0.75 inch □ 4 inches		h □ 1.5 ind r	ches Metric	☐ 2 inches		
Process side flange	configuration	☐ Raised Face	☐ Ring	Type Joint	☐ Flat	Other		
Flange class	□ 150 □ 2500	□ 300 □ Other	□ 600		☐ 1500 ☐ Metric			
Flange Finish (min) 125-250 (Standard) 250-500 AARH Other								
Flushing Ports								
Number of flushing connections								
Orientation of ports		☐ Standard (symmetrical) ☐		☐ Custo	tom			
Flushing connection type		□ NPT □ Socket weld	☐ BSPT ☐ Butt weld		CPI	☐ A-LOK (please specify)		
Flushing connection size Inches:		: □ 0.25 □ 0. : □ 6 □ 10		5 1 1	☐ Other ☐ Other			
Valve SKETCH RINGS or APPLICATION HERE								
Valve type	☐ Gate ☐ None	□ Ball □ No	eedle					
Valve material		☐ Stainless Stee						
Fire Safe	☐ Yes	□ No						
Options								
Options	(If this option i	nd Testing Certific s selected, please fi d Testing Certificatio	ate					
Customer specified tagging								
Additional requirements								

Design and specifications are subject to change without notice. For latest revision, see SORInc.com.

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Inspection and Testing Certifications

No testing or test	□ No testing or test documentation required.				
□ PMI Report	 SOR Standard Alloy verification of wetted parts using x-ray fluorescence (XRF) technology to positively identify the part material used post manufacturing. Customer specified alternate requirements				
☐ Hydrostatic Pressure Test	 □ SOR Standard Process conforms to ASME Section V and is conducted per serial number. If valves are used, hydro testing will be done with valve open and ports plugged. □ Customer specified alternate requirements				
☐ Visual Inspection Report	SOR Standard Visual weld inspection by certified weld inspector per sales order line item. Customer specified alternate requirements.				
☐ Factory Acceptance Test	□ SOR Standard Summary of testing schedule completed per sales order line item. □ Customer specified alternate requirements				
☐ Inspection Test Plan	 □ SOR Standard Summary of all the testing processes that will be conducted per sales order line item. □ Customer specified alternate requirements				
☐ Mill Test Report	 SOR Standard Certifies that the listed serial numbers were manufactured using the materials on the associated Certified Material Test Reports (CMTR). Customer specified alternate requirements. 				
☐ Dye Penetrant Examination	 SOR Standard Certifies that the listed serial numbers were examined by visible liquid penetran in accordance with ASME Section V, Article 6. Customer specified alternate requirements 				
□ NACE Compliance	 SOR Standard SOR shall provide certification of compliance that the pressure boundary components of the listed serial numbers were manufactured to meet NACE MR0175/ ISO15156. Customer specified alternate requirements 				
☐ Ferrite Test	 SOR Standard Certifies the Ferrite Number (FN) of 20% of the welds per serial number is documented on associated weld map drawings. Customer specified alternate requirements 				
□ Radiographic Examination (X-Ray)	 SOR Standard Certifies the 3rd party radiographic examination of 5% of welds per sales order line item by sample size in accordance with ASME Section V. Customer specified alternate requirements				
☐ Heat Treat	 SOR Standard Certifies heat treatment was conducted to ASTM standards per sales order line item. Customer specified alternate requirements 				
☐ Mag Particle Examination	 SOR Standard Certifies that the listed serial numbers were examined by visible mag particle in accordance with ASME Section V. Customer specified alternate requirements				
☐ Ultrasonic Examination	 SOR Standard Certifies that the listed serial numbers were examined by 3rd party ultrasonic examination in accordance with ASME Section V. Customer specified alternate requirements				



MEASUREMENT AND CONTROL

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