

DESCRIPTION

The SRR is a reusable rupture indicator that signals the passage of any fluid within a pipe in a matter of milliseconds.

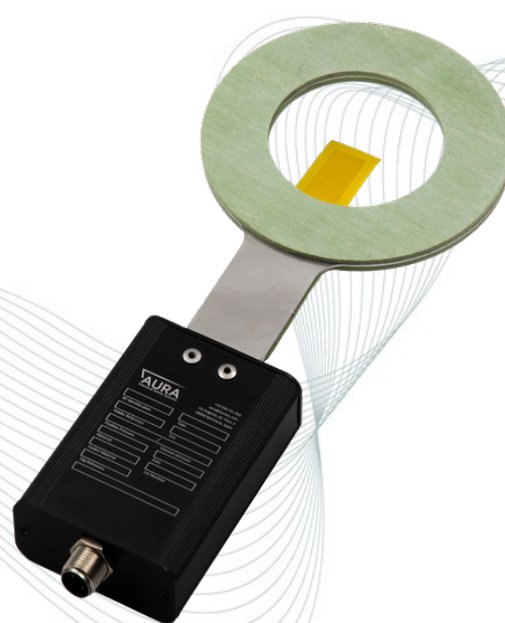
The sensing element, encapsulated in FEP, converts its deflection into an electrical signal.

When the rupture disc or safety valve (PSV) opens, the fluid flow causes the sensor to deflect, the control electronics analyze the signal and notify the opening via an NPN output.

The M12 connector ensures quick and reliable installation, free of false contacts.

FEATURES

- Reusable device.
- Activation by flow presence.
- NPN signal type (2s pulse).
- M12 connector. ⁽¹⁾
- Installation downstream of the rupture disc or safety valve (PSV), on top of the holder, or independently between flanges.
- Compatible with metallic or graphite rupture discs.
- Sensor encapsulated in FEP.
- Suitable for gases and non-adherent liquids.
- Non-fragmenting.
- Suitable for vacuum protection.
- Does not require routine maintenance.
- Sizes from 40 mm to 150 mm (1 1/2" - 6").
- Gasket material available in compressed fibers or ePTFE (expanded PTFE). ⁽²⁾
- Suitable for EN 1092-1 and ANSI B16.5 flanges.



*Patent pending EP25382961.8

Operating limits	
Supply Voltage (V _{in})	15 - 30 V DC
Temperature range	0°C to 70 °C (32°F to 158 °F)

Specifications		
Size	Minimum burst pressure barg (psi)	Total thickness mm (in)
40 - 65 mm (1 1/2" - 2 1/2")	0.03 (0.44)	5 (0.19)
80 - 100 mm (3" - 4")	0.06 (0.87)	
150 (6")	0.1 (1.45)	

Test conditions : 22°C (72°F)
Fluid test : Air

MATERIALS

Encapsulation - FEP

Gaskets - Non-asbestos gaskets or ePTFE gaskets

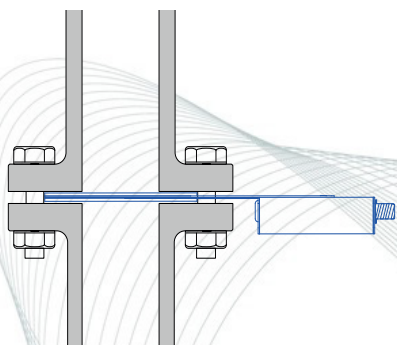
Metal ring - Inox 316, Inconel or Hastelloy

Housing - Anodized aluminum

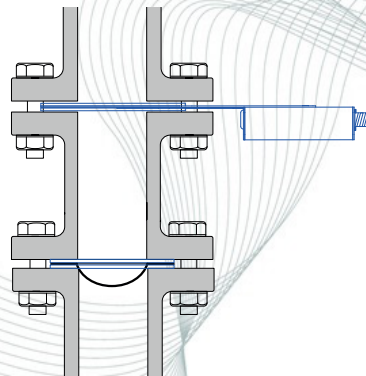
⁽¹⁾ AURA ISS can supply a compatible cable and connector.

⁽²⁾ For other gasket materials, consult AURA ISS.

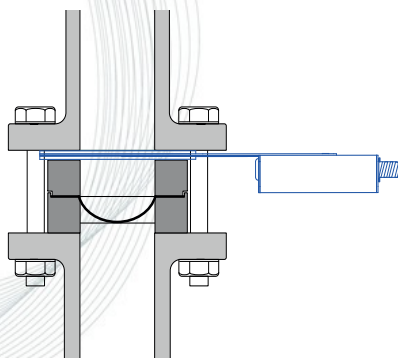
INSTALLATION



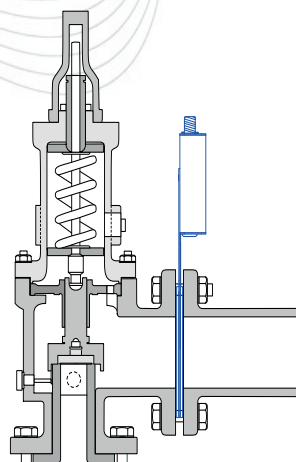
Option 1 - Directly between flanges



Option 2 - Directly between flanges on the disc (without a holder)



Option 3 - On top of the holder



Option 4 - At the outlet of the safety valve (PSV)