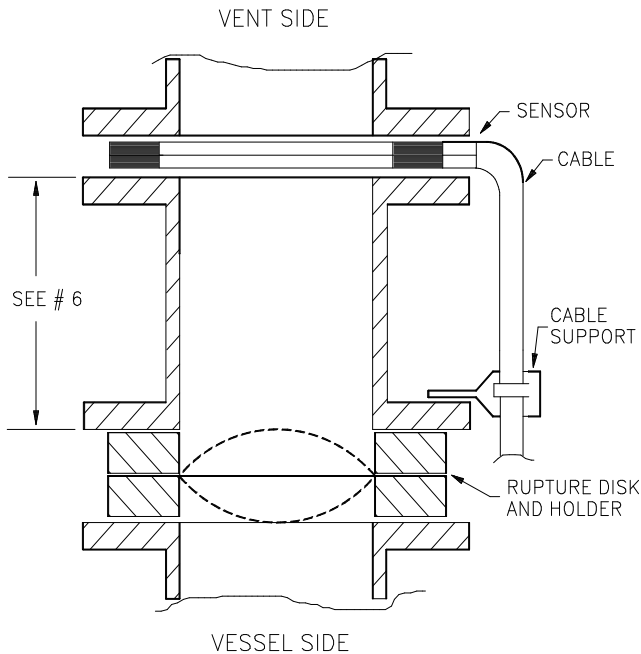


Installation Instructions for LPSF Rupture Disk Sensors

TYPICAL INSTALLATION



differentials of 3 IN. H₂O or less. **HANDLE CAREFULLY - DO NOT FLEX OR MOVE CENTRAL PORTION OF SENSOR.**

2. Verify work area is safe. Do not loosen fittings when piping or vessel system is pressurized. Use appropriate personnel protection procedures for piping and vessel contents.

3. The OSECO model LPSF burst disk sensor is constructed with high quality, synthetic gaskets. No additional gaskets are needed or recommended.

4. Verify sensor resistance is less than 20 ohms before and after installation.

5. Verify mating surfaces are clean and free of adverse scratches before installation.

6. Always install sensor on the vent side (downstream) of the rupture disk and vent to safe area. For proper functioning and maximum flow, install sensor 1 to 10 pipe diameters downstream of the rupture disk (see diagram above). Protect sensor from the weather. **IMPORTANT: In horizontal piping, install sensor with cable at bottom of flange.**

7. Use bolt torque specified herein.

8. After installation, connect the sensor to a compatible, quick acting, latching alarm system. The sensor is a normally closed device. The alarm system should be wired to indicate a burst disk when the sensor creates an open circuit. (Flow in the pipe, released by a rupture disk, will rupture and open the sensor circuit).

9. After the sensor is connected to the alarm system, verify that the system is working properly by disconnecting the sensor cable, simulating an open circuit condition. Reconnect cable after test. Periodic sensor system testing is recommended. When using an OSECO alarm monitor, see OSECO's recommended "BDA System Verification Procedure".

Electrical Data	
Max Current	150 mA
Temperature Range	-60° to 300°F
Max Pre-burst Resistance	50 Ohms

This sensor may be used at any voltage provided the maximum current requirements are not exceeded.

Materials	
Gasket	EPDM White Silicone, FDA Grade, or Viton are standard. Other special materials available upon request.
Membrane	Teflon
Circuit Track	316 SS
Cable	24 AWG, 2 Wire, Tef. Ins.

INSTALLATION

1. The OSECO Model LPSF Burst disk sensor is a precision instrument designed to open at pressure

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COMPANION FLANGE BOLT TORQUE FT-LBS		
NOMINAL SIZE INCHES	150 ANSI	300 ANSI
1.0	17	21
1.5	34	51
2.0	59	30
3.0	93	56
4.0	62	74
6.0	111	74
8.0	146	113
10.0	139	119
12.0	174	168

Torque values are based on nuts and studs being lightly lubricated and maintained in a "free running" condition.

Maximum pressure differential
3 in. H ₂ O