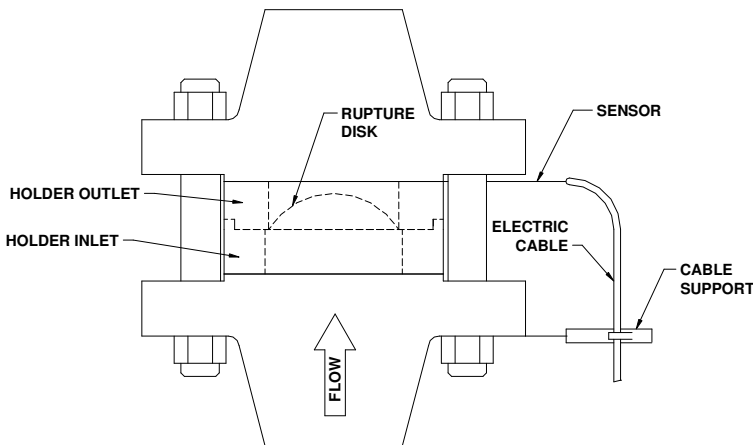


# Installation Instructions for SVT Rupture Disks Sensor

## TYPICAL INSTALLATION SHOWN



inlet and outlet. No additional gaskets are needed or recommended.

3. The OSECO burst disk sensor may be installed between pipe flanges of the applicable size and class or between the outlet of a rupture disk holder and the downstream flange. In all cases, the sensor must be installed on the vent side (downstream) of the rupture disk. Verify sensor resistance is less than 20 ohms before installing.

4. **Verify mating surfaces are clean and free of adverse scratches before installation. The sensor must not touch the crown of the rupture disk assembly in the installed position. If touching occurs, add a spacer between disk and sensor to avoid contact between these items. Install the sensor as illustrated above. Install cable support to relieve tension from sensor and connector.**

5. Utilize the bolt torque specifications provided by the rupture disk manufacturer or the piping/vessel specifications to achieve a "leak free" installation.

6. 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 ruptured disk, will rupture and open the sensor circuit.)

7. **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 alarm 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        | -45° to 425°F |
| Max Pre-burst Resistance | 20 Ohms       |

| Materials     |  |
|---------------|--|
| Gasket        | Asbestos Free Synthetic                                      |
| Membrane      | Peek   |
| Circuit Track | Silver   |
| Cable         | 24 AWG, 2 Cond., Teflon Insulated, Shielded, 6 Feet Standard |

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

## INSTALLATION

1. Verify work area is safe. Do not loosen flange bolting when piping or vessel system is pressurized. Use appropriate personnel protection procedures for piping and vessel contents. Follow all work and safety procedures.

2. The OSECO burst disk sensor is constructed with high quality, asbestos free synthetic gaskets for the

| Nominal Size | Min. Rupture Pressure PSIG | Nominal Size | Min. Rupture Pressure PSIG |
|--------------|----------------------------|--------------|----------------------------|
| 1            | 5                          | 10           | 1                          |
| 1.5          | 5                          | 12           | 1                          |
| 2            | 5                          | 14           | 1                          |
| 3            | 3                          | 16           | 1                          |
| 4            | 2                          | 18           | 1                          |
| 6            | 1                          | 20           | 1                          |
| 8            | 1                          | 24           | 1                          |