



INSTALLATION INSTRUCTIONS

RDI-S Rupture Disk Indicator

SERVICE LIMITS

1. The RDI-S assembly can be used on liquid, gas or two phase flow.
2. Minimum Activation Pressure:
1" to 2½" 5 psig
3" 3 psig
4" 2 psig
6" and above 1 psig
3. Operating Temperature Range: – 40°F (-40°C) to +392°F (200°C). Temperature may also be limited by companion gasket.
4. Suitable for intrinsically safe power levels. Maximum current 150mA, maximum voltage 24 Volts AC/DC.
5. Electrical resistance 20Ω or less.
6. Any and all local, national and plant installation codes should be observed, at the sole responsibility of the user.

WARNING: Use RDI-S assembly with intrinsically safe electrical device if used on any hazardous location. Consult factory on services with fluids that are electrically conductive.

SELECT PROPER LOCATION

1. **ALWAYS VENT THE OUTLET TO A SAFE AREA**, away from personnel. If the process fluid is toxic or hazardous connect the outlet side of the rupture disk assembly to a containment tank.
2. Consideration should be given to prevent build-up of rain water, snow, animal nesting or other debris that may build up in the discharge piping and disturb the normal operation of the RDI-S indicator.
3. If the RDI-S assembly is to be installed in a horizontal piping system **DO NOT** orient the RDI-S cable towards the bottom. The recommended orientation is towards the top or either side.

INSTALLATION INSTRUCTIONS

1. The RDI-S assembly is installed on the vent side of the rupture disk assembly between a separate ASME BPE or other compatible ferrule set. The RDI-S is compatible with all sanitary ZOOK Graphite and Metal Rupture Disks, provided the burst pressure is at least equal to the minimum activation pressure of the RDI-S detector.
2. Clean the clamping surfaces of the companion ferrules thoroughly.
3. The RDI-S assembly is NOT 'Flow Direction' sensitive. However, it is recommended that the "shiny" side of the RDI-S is facing towards the rupture disk.
4. Clamping should be in line with the instructions for companion disk and standard ferrule clamping loads. Mounting pipework should be fully supported to prevent load and vibration being transmitted to the detector and companion disk.
5. Using approved Electrical Code Procedures connect the RDI-S to the burst detection circuit via the attached cable.

WARRANTY

ZOOK warrants its products against Defective workmanship and materials. This Warranty is limited to the replacement without charge of the defective product only and does not cover any other direct or indirect costs which may be attributed to the defect, provided It is properly installed and used within the scope for which it is intended.

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