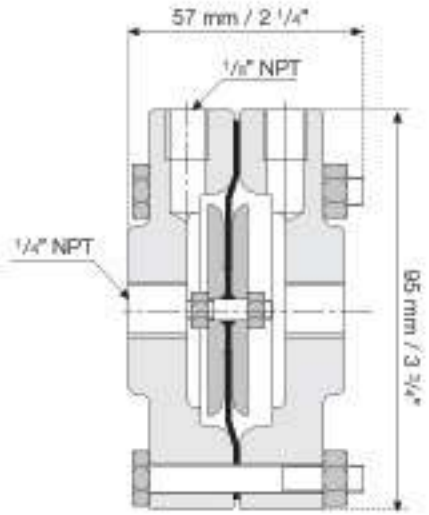
Pressure Sensing Separation Diaphragm

Model 35d

This device is used to isolate and protect the pressure sensing chambers of pilots (and pressure gauges) from highly corrosive fluids, high viscosity fluids, or fluids with suspended solids.
It has two chambers separated by a diaphragm. The sensed system pressure is introduced to one chamber, applying force on the diaphragm that "transmits" it to the second chamber. The second chamber and the pilot sensing chamber are connected and are both filled with a non-aggressive, stable fluid.

Technical Data

Pressure rating: 25 bar (350 psi)
Standard materials:
Body: Stainless Steel 303
Diaphragm: NBR, nylon fabric reinforced
Optional materials:
Metal parts: Stainless Steel 316
Seals: FPM
Ports: 1/4" NPT
Air venting ports: 1/8" NPT
Maximum temperature: 80°C (180°F)



Weight: 2.2 Kg / 4.9 lbs.

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