

CONSTRUCTION

In the body, made of aluminum or stainless steel, a cylindrical room is drawn within which flows a piston operated by the differential pressure and opposed by a spring that it confers the field of measure of it. On the piston a magnet that transmits the movement to a second magnet mounted on the base of the external indicative index to the body is mounted on.

A scale, contained in the custody shockproof of the manometer, it allows to measure the value of the differential pressure.

The calibration and the zero are adjustable through the two side screws of closing of the body. For the memorization of the maximum value of DP, that is verified in operation, the gauge can be furnished of follow pointer (red) with knob for the reset after the reading.

In the case is in demand the signaling of overcoming of a limit with electric signal, it is possible to mount on the body a reed put in a shockproof box, with screw for the regulation of the set point (can actually be inserted to two contacts reed).

INSTALLATION

Piping Connections

The process connections are 1/4 NPT.F and are marked with HIGH and LOW. It is essential that the "HIGH" inlet side of Differential Pressure Gauge be connected to the high pressure side of the system and the "LOW" outlet side be connected to the low pressure side of the system. If on start-up the gauge reads zero, it may be that the high and low connections on the gauge are reversed.

High Temperature Conditions - It is suitable for temperature up to 100°C (210° F). When used in high temperature system the connecting tubing to the inlet and outlet of the gauge should be as long as possible to cool the fluid.

The gauge may be either line mounted or flush panel mounted.

Line Mounting

Use full size 1/4 inch pipe if possible.

The gauge can be solidly supported with input nipples up to 75 mm long. The nipple connections should be solidly supported at the piping ends.

Panel Mounting

The gauge is designed with a built-in panel mounting bracket for mounting the gauge on panel-plates or enclosures. It mounts in a clearance hole 76 mm diameter with 4 screws. To mount the gauge insert the gauge thru the panel and hold with the 4 mounting screws.