

Pressure Gauges

Gauges for sprinkler systems and fire pumps are designed for use with air or water. These gauges are usually of the Bourdon tube type. The moving parts are fabricated of appropriate corrosion-resistant materials.

When installed on the air side of a dry pipe system, a retard type gauge may be used. This gauge is assembled with a tube appropriate to the unretarded pressure range of the gauge and is provided with a spring to resist the full scale load.

The two common sizes are 4 1/2 and 3 1/2 in. diameter. These gauges can be calibrated with a hydraulic testing unit by adjusting the dial pointer to read correctly at known pressures. Accuracy requirements are that the gauge be correct within 2% over the center third of its scale and within 3% over the remaining two-thirds. Dial marking subdivisions correspond to the maximum accuracy of the gauge.

For service on fire pumps where the suction may be taken under a lift, compound pressure vacuum gauges are available graduated in pressure units over both the pressure and vacuum scales, and are designed not to be injured by vacuum.

To minimize possible damage and provide maximum accuracy, gauges should be selected with scales of about twice the maximum system pressure.

Models 111.10.100, 111.12.100

Model 111.10.100. Plastic or steel case with a 1/4 in. male NPT bottom connection, 4 in. (100 mm) size.

Model 111.12.100. Steel case and a 1/4 in. male NPT rear connection, 4 in. (100 mm) size.

Measuring Ranges:

<i>Psi</i>	<i>kPa</i>
-15 to 0	-1 to 0
-15 to 150	-1 to 9
0 to 150	0 to 10
0 to 250	0 to 16
0 to 400	0 to 25
0 to 600	0 to 40

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