

PRESSURE GAUGES

Product Selection Considerations

When selecting a pressure gauge, consideration must be given to the following factors:

Warning

Selection of the appropriate instrument is the sole responsibility of the user. Improper application or installation may cause product failure, resulting in personal injury or property damage. Consult ASME B40.100 for further information.

Measuring Range

A measuring range of twice the system pressure is recommended to ensure utmost accuracy, safety, and product longevity. The system pressure should never exceed 75% of the measuring range.

Process Fluid Compatibility

The selected connection and bourdon tube materials must be compatible with the process fluid being measured. For corrosive fluids, or those that may leave deposits or solidify, a diaphragm protection seal should be considered.

Process Fluid Temperature

The process temperature should be considered so that the gauge construction is suited to the application. A coil syphon must be installed on the connection when used on a steam application.

Ambient Conditions

The ambient temperature should be considered so that the materials of construction are suited to the application. Gauges specified for outdoor use should have a stainless steel or

plastic case. When humidity or moisture are of concern, a liquid filled gauge should be specified.

Installation Requirements

The mounting style required (stem, surface, or panel) and connection location (bottom or back) should be considered to ensure the gauge will suit the application requirements. All gauges are furnished standard with NPT connection threads, however other connection types may be available – consult factory.

Accuracy Requirements

The accuracy requirement of the application should be considered to ensure safety and efficiency for the operators and users of the process system.

Liquid Fill

A liquid filled gauge should be used on applications where there are vibrations or pulsations present. The fill fluid will assist in dampening the movement assembly and help prolong the life of the gauge. All liquid filled gauges with a measuring range of 100 psi or lower (except for the self-compensating Model PLF4520L) should have the case vented through the fill port plug after installation to compensate for atmospheric changes that may affect the calibration of the filled gauge. The ambient and process temperature limits for liquid filled gauges are 0 to 140°F (-18 to 60°C).

Specification Selections

Miljoco Pressure Gauges are available in a wide variety of configurations to suit almost any application. For assistance in determining the correct product to suit your application, please contact us with the following information:

Dial Size: 1½" 2" 2½" 3½" 4" 4½" 6"

Pressure Range: _____ **Scale:** psi kPa Bar Other _____

Connection Size: 1/8" NPT 1/4" NPT 1/2" NPT Other _____

Bourdon Tube/Socket Material: Bronze Tube/Brass Socket Stainless Steel Tube & Socket

Accuracy: 1/2% Full Scale 1% Full Scale 1.6% Full Scale 2-1-2% 3-2-3% Other _____

Case Material: Aluminum Stainless Steel Plastic Steel Other _____

Lens: Glass Plastic Other _____

Pointer: Adjustable Plain

Mounting Method: Stem Mount Rear Flange Front Flange U-Clamp

Connection Location: Bottom Outlet Back Outlet Other _____

Liquid Fill: None (Dry) Glycerine Silicone Other _____

Additional Requirements: _____

