

Installation Instructions for ASHCROFT® Model 1490 Low Pressure Diaphragm Gauge



WARNING: To prevent misapplication, pressure gauges should be selected considering media and ambient operating conditions. Improper application can be detrimental to the gauge and can cause failure and possible injury or property damage. Users should become familiar with the ASME B40.100 before specifying pressure measuring instruments. (This document can be obtained from ASME Int'l, Three Park Ave., NY, NY 10016-5990 or at ASME.org).

The Ashcroft 2½" and 3½" 1490 low pressure diaphragm gauge is designed for use whenever the pressure medium is air or a gas that is not corrosive to beryllium copper, brass, polysulfone and RTV silicone.

Range: The range of the gauge should be approximately twice the maximum operating pressure. (Proof pressure is 150% of range, Burst pressure is 50 psi on ranges up to 5# and 100 psi on ranges greater than 5#.)

Temperature: Operating temperature shall fall within -20°-150°F.

Installation: Whenever possible, gauges shall be located to minimize effects of vibration, moisture and extreme temperatures.

Torque should never be applied to the gauge case. Instead, a wrench should always be used on the flats of the gauge socket to tighten into the fitting or pipe.

For natural gas applications it is recommended that a 0.013 throttle plug is installed in the socket. Throttle plug is not available with hose barb or female thread connections.

U-clamp mounting must be ordered at time of order placement for lower NPT process connections.
(Cannot be field installed.)

Accuracy: ±2-1-2% of Span ASME Grade A. Zero adjustment, recalibration screw located at 6:00 on dial. If necessary, remove polycarbonate quarter turn window and adjust with a screwdriver.

