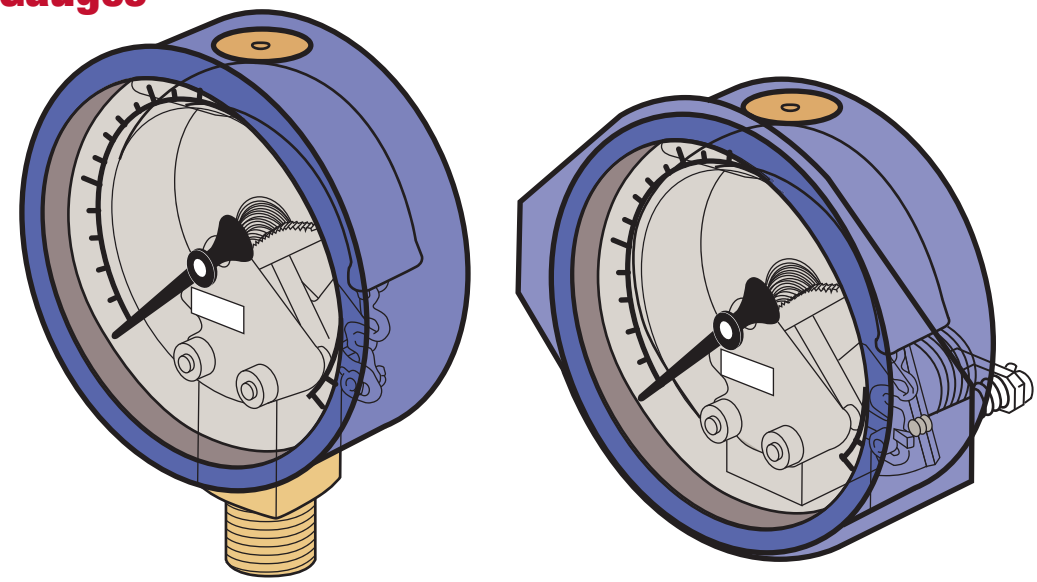
LENZ

Fluid Power Specialist

Pressure Gauges



The restrictor screw is a small orifice that restricts the fluid flow between the pressure source and the pressure gauge. It is used to reduce the effects of pressure fluctuations, frequently referred to as pulsation spikes. The use of restrictor will greatly increase the life of a pressure gauge by protecting the bourdon tube from the constant fluctuations from a pulsating pressure source. Since the pressure fluctuations , pressure spikes , must enter the gauge through a very small orifice , the bourdon tube sees a more constant flow of pressure rather than extreme fluctuations.

The Bourdon Tube is made from copper alloy for pressures up to 1500 PSI or safety coiled alloy steel for pressures above 1500 PSI. The 1.5", 2.0", 2.5" and 4.0" Standard Gauges have an accuracy of 2.0 % F.S.D. This accuracy is based upon working at a temperature at or above 68 degrees Fahrenheit. Lenz SS Stainless Gauges have an accuracy of 1% of F.S.D.

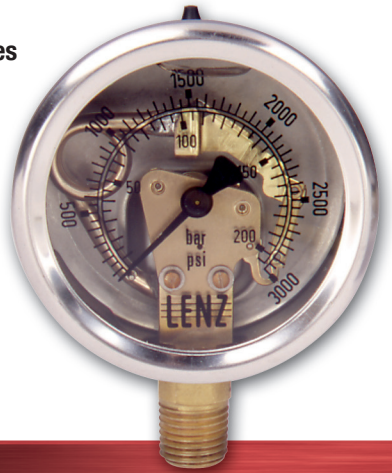
All Gauges have dual scale PSI /BAR.

Pressure Gauges with the 2.0" & 2.5" dial are available dry or Glycerin filled. The advantages of using glycerin is to reduce needle vibration and the effects of hydraulic surges on the mechanism. This results in greater accuracy when reading the scale and extends Gauge life. Lenz 4" gauges are available in glycerin filled only.

All Glycerin filled Gauges are fitted with a pressure relief-valve which will open to atmosphere when pressure in the Gauge case exceeds.5 PSI. It is recommended that the Pressure Gauge always be mounted with the relief-valve in the top-dead center position.

Lenz also offers special application Gauges along with Pressure Transducers..

See Lenz website www.lenzinc.com or catalog for further details



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