

Ashcroft® Gauges, General Information

PIP #: ASH/PI-45

Applicable to:

ASHCROFT RECEIVER GAUGE AND FALSE READING GAUGE DIALS

This product information page, emphasizes the need for the dial to indicate the maximum input pressure this type of gauge should be subjected to. This applies to both receiver gauges and false reading dial gauges.

To minimize the potential for misapplication of a receiver gauge or a false reading dial gauge, a statement relating to maximum input pressure appears in a box on the dial above the pointer as indicated below:

Receiver Gauge *(1) Maximum Input Pressure
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RECEIVER GAUGE

*(1) psi Maximum Input Pressure

FALSE READING GAUGE

*Insert pressure range.

(1) Determined by input pressure range

A receiver gauge uses a low pressure Bourdon tube with an range of 3-15 psi or 3-27 psi and a dial graduated in pressure, level, etc (e.g., 3-15 psi input, dial graduated psi). A false reading dial reads pressure, however, the pressure is from a source other than a transmitter and limited to low pressures. An example is 0-100 psi input with a dial graduated 0-3000 - no units.

ASME B40.100-2005 paragraph 3.3.2.2 states that the dial “shall clearly indicate the maximum pressure that may be applied to the gauge without loss of calibration”.

The information relating to maximum input pressure is important and can not be excluded from the dial. If your customer requests that it be excluded, he should be informed that the information must appear on the dial. If the information appearing above the dial pointer is not acceptable to your customer, maximum pressure can be located in a secondary, less prominent location at the end of the dial’s arc.

Under no conditions will we accept an order for a receiver gauge or a false reading dial without indicating maximum input pressure.