

## PROINERT®<sup>2</sup> PRESSURE GAUGE ASSEMBLY

### DESCRIPTION

Each Fike ProInert Secondary Cylinder is provided with a Pressure Gauge Assembly (with Adaptor) to visually indicate the internal cylinder pressure. The Pressure Gauge scale is calibrated to show the actual pressure, as well as a color-coded acceptable operating range, under-pressure range, and over-pressure range.

The pressure gauge assembly is design to allow this gauge to be installed and/or removed from the ProInert cylinder without removing the agent first.



### SPECIFICATIONS

Assembly Part Number: 02-13441 (200 bar)  
 02-13541 (300 bar)  
 Temperature Limits: -40°F to +120°F (-40°C to +60°C)  
 Pressure Connection: M10 x 1  
 Body Material: Stainless Steel

### APPROVALS:

- UL Listed
- ULC Listed
- FM Approved

### INSTALLATION / REPLACEMENT

The following procedure is used to install and/or replace the pressure gauge with low pressure switch on a charged cylinder. This device can be installed in the fill port on a container that is charged by using the following steps:

*IMPORTANT NOTE: Cylinder must be securely mounted in the cylinder racking or cylinder strap before installing pressure gauge.*

Step 1: Prior to Assembly; lubricate the Pressure Gauge Assembly O-Ring (P/N 02-10674) with Molycoat 55 or equal. Use care not to get lubricant into pressure port (Refer to Figure 1).

NOTES: "DO NOT" apply Teflon Tape to Pressure Gauge Adaptor threads.  
 "DO NOT" cross thread the Pressure Gauge Assembly during installation.

Step 2: Remove and retain Plug from pressure gauge port.

Step 3: Screw in the Pressure Gauge Assembly (Hand Tight) until resistance is felt. Use locking pliers or wrench to screw in the Pressure Gauge Assembly until it bottoms out. This will open an internal check valve and pressurize the gauge (Refer to Figure 2).

Step 4: To align the Pressure Gauge, un-screw Pressure Gauge Assembly up to 1 turn.

Step 5: Leak check around the pressure gauge port using Snoop leak test fluid or equivalent.

If a leak is detected; remove the Pressure Gauge Assembly from the ProInert valve and remove the lubricant and contaminants from the O-Ring, threads and valve port using isopropyl alcohol and a soft clean cloth. Lubricate the O-Ring with Molycoat 55 or equal and reinstall. Leak test around the pressure gauge port.

If a leak is detected; remove the Pressure Gauge Assembly from the ProInert valve, remove the O-Ring, install a new O-Ring, lubricate the O-ring with Molycoat 55 or equal, install the Pressure Gauge Assembly in the ProInert valve, and leak test around the pressure gauge port.

*WARNING: When removing the Pressure Gauge Assembly from a pressurized ProInert cylinder, a "pop" sound will occur. This is the result of a minor amount of gas being trapped in the pressure gauge port; this is a normal occurrence. If a pressure leak continues after backing-off the Pressure Gauge Adaptor five turns (O-Ring is visible), the Schrader core did not reseat, do not remove the Pressure Gauge Assembly, reinstall and follow the proper procedure to empty cylinder and replace Schrader core.*

Do NOT attempt to remove Pressure Gauge from Adaptor.

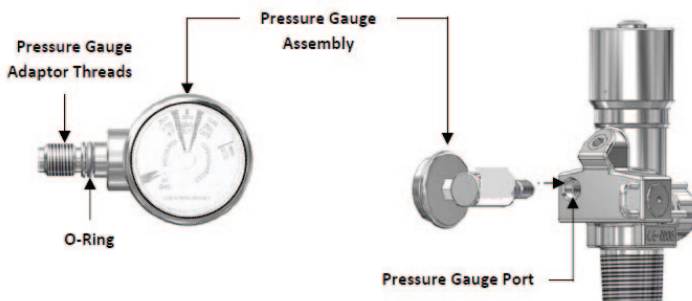


FIGURE 1

FIGURE 2



The container pressure needs to be checked as a part of the installation procedure. They should read 200 bar or 300 bar at 15°C. For temperatures other than 15°C, reference Temperature vs. Pressure Chart.

### IG55 Pressure Vs. Temperature Chart Filling

Reference temperature 15°C

