

# PCL819-TRAP

## Dirt/Moisture Trap with Precision Vent

INSTRUCTION  
SHEET

M-5308/0713

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### Operating Instructions

**Warning: The PCL819 is designed for use with Pneumatic Systems Only!**

#### Pressure Connection:

Outlet: 1/8" NPT Male Thread with O-Ring seal  
Inlet: Universal 1/8" NPT Female or 1/8" BSP Female Thread

#### Maximum Working Pressure:

500 psi/35 bar.

#### Orientation:

The PCL819 is designed to be used vertically and should be removed from the calibrator when not in use.

#### Media Compatibility:

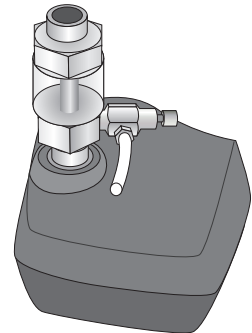
Electroless Nickel over brass, Acrylic, Cast Urethane and Nitrile (Buna-N) O-Ring seals.

#### Operation:

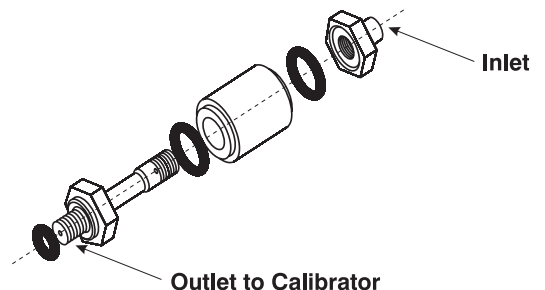
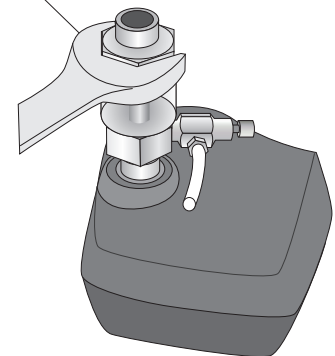
1. Fit the PCL819 to the test port of the calibrator, hand tighten only, the o-ring at the base of the 1/8" NPT male thread will make a proper seal. Try to orient the PCL819 so that the vent control is in position to allow ease of use.
2. Connect the equipment under test to the upper port on the PCL819, using a suitable sealing method. Use a 7/8" or 23mm back up wrench on the hex section nearest the upper port when connecting to the PCL819 inlet.
3. When you are ready to operate the calibrator make sure to close the vent on the PCL819 *and* the vent on the calibrator. When using the PCL819 the vent knob on the calibrator can remain in the closed position. All venting should be done using the vent on the PCL819 to prevent liquids from entering the calibrator.
4. If moisture or dirt particles are seen within the clear chamber during use, dismantle and clean the trap.

#### Cleaning/Assembly:

1. Unscrew the top section of the PCL819 then remove the clear acrylic chamber and the two o-rings.
2. Clean and dry the internal components with a clean cloth. **DO NOT USE SOLVENTS** on the clear acrylic chamber as damage may occur.
3. Before reassembly inspect the clear acrylic chamber, external and internal o-rings for wear or damage and repair by ordering replacement parts. Do not reuse worn or damaged parts.
4. Before assembly lightly lubricate the two internal o-rings with Dow 111, or silicone grease and then reassemble the PCL819 properly. Hand tighten only.



7/8" or 23mm  
back up wrench





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