

OPERATING INSTRUCTIONS FOR DIRT/MOISTURE TRAP MODEL: P5531

The Dirt/Moisture Trap is designed to capture particles and moisture residue remaining in the device under test, and prevent this from contaminating the calibration instrument that it is mounted on.

Pressure Connection:	Lower: 3/8" BSP / Upper: 3/8" BSP (Left-Hand)
Maximum Working Pressure:	500 psi / 35 bar
Orientation:	The trap is designed to be used in the vertical position and should be removed from the Deadweight Tester during transit.
Materials of Construction:	Stainless Steel, Acrylic and Nitrile (Buna-N) 'O' ring seals.
Consumable (Repair) Parts:	Chamber 'O' ring, part number 3905629, 2 required. Buna Test Port 'O' ring, part number 3883397 , 1 required. 1785497 Buna or 3865195 Viton Consult the factory for any additional questions.

WARNING: This device is designed for use with PNEUMATIC SYSTEMS ONLY.

Operation:

1. Fit the trap to the test port of the deadweight tester, using the adapter supplied; ensure that a suitable sealing method is used between the trap and the test port.
2. Connect the equipment under test to the upper port of the trap, using the standard gauge adapters supplied with the deadweight tester, as described below.
3. Always ensure that the system is depressurized before removing the trap for inspection.
4. Periodically, dismantle and inspect the trap to prevent build-up of moisture and particulate contamination.

Cleaning:

1. Unscrew the top section, releasing the central aluminum chamber.
2. Clean the components – DO NOT USE SOLVENTS on the 'O' rings or acrylic chamber, as damage may occur; wipe clean with a soft cloth or tissue paper.
3. Reassemble ensuring that all seals are in the correct location.



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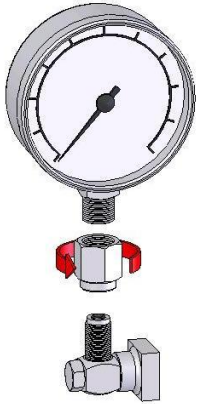
WARNING

DO NOT use Teflon/PTFE tape on these connections, as this will prevent correct sealing. The Gauge Adapter sealing system is designed for hand-tight sealing up to 20,000 psi / 1,400 bar - wrenches or similar tools are not required – over tightening can cause damage to threads or sealing faces.

Before connection, ensure that there is an O-ring fitted to the test port.

Check that the sealing face of the device to be fitted is clean and undamaged, as scratches or dents can form leak-paths.

NOTE: The thread on the test port, and the lower part of the gauge adapters is LEFT-HANDED. The following procedure details the correct method for mounting devices using these adapters: -



1. Screw the appropriate gauge adapter fully on to the instrument to be tested.

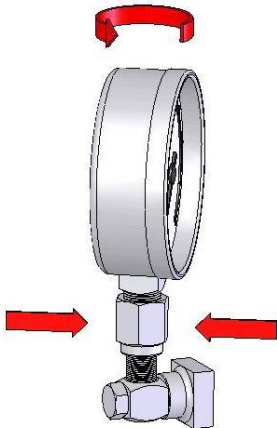
2. Screw assembly down COUNTER-CLOCKWISE on to test port.

Note:

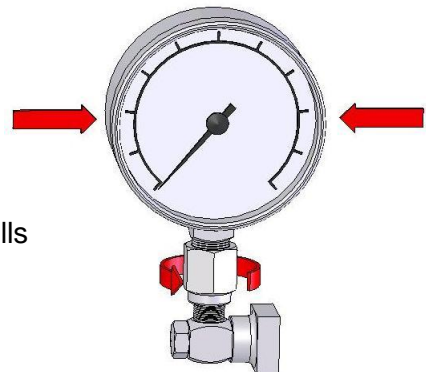
Hand-tight is sufficient; ensure that the bottom face contacts the O-ring on the test port.



3. To adjust the position to face forward, hold the gauge adapter and turn the instrument COUNTER-CLOCKWISE, so that it faces forward.



4. Hold the instrument steady, whilst turning the gauge adapter COUNTER-CLOCKWISE until it pulls down onto the O-ring.



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