

PRESYS®



Manual Pneumatic Pump Model **AirMaxy-500**

Operating Instructions

MANUAL PNEUMATIC PUMP – AirMaxy-500

Instructions for Use

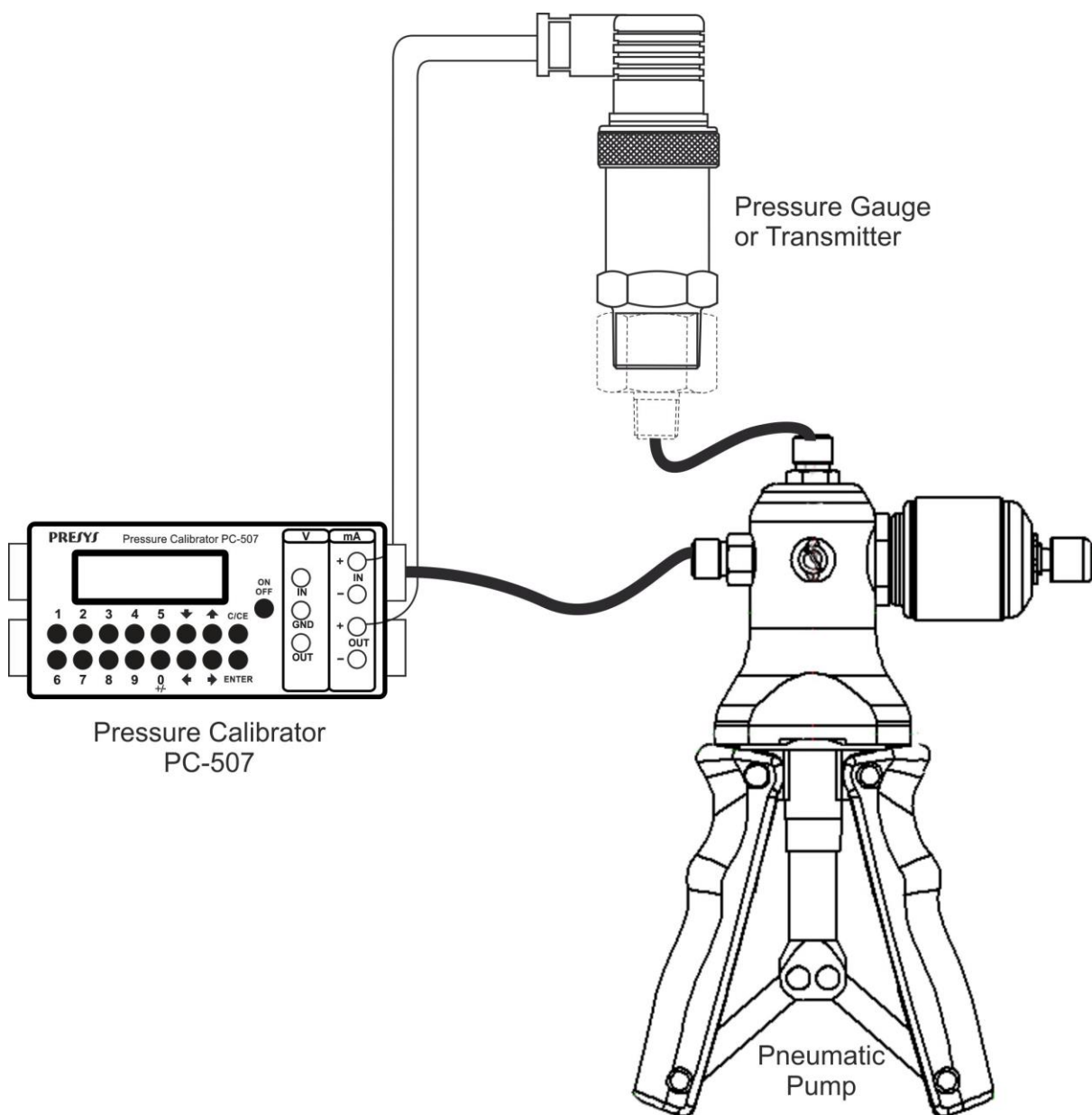
IMPORTANT NOTICE:

- This pump uses BSP parallel threads, which require the use of rubber washers to seal the hose adapters without any other type of thread sealant. Never use thread seal tape or paste to seal the adapters to the pump. Tighten by hand and adjust with a wrench.
- Never overtighten the adapters.
- The AirMax 500 manual pneumatic pump uses a Schrader valve, similar to a tire valve, not a needle valve. Full opening or closing is achieved by turning to the end stops. Tightening further does not improve the seal.
- Never use with liquids. Always ensure that the calibrated instrument has no residue that could damage the pump; use a separator when necessary.

MANUAL PNEUMATIC PUMP – AirMaxy-500

How to Use:

- 1 - Connect the pump hoses to the calibrator and the instrument to be calibrated.



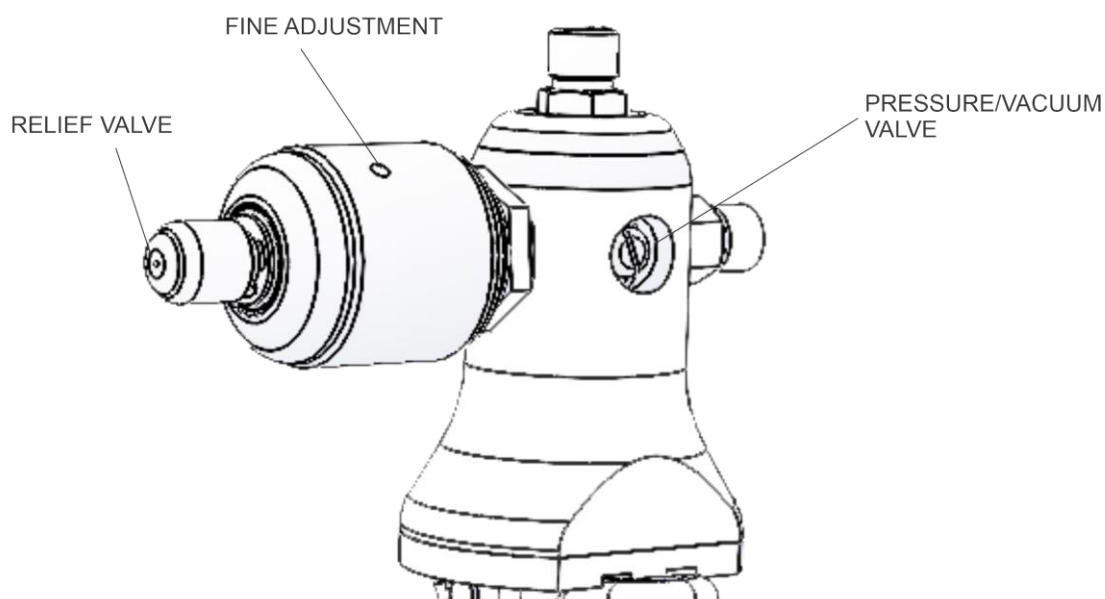
Connection from pump to calibrator and instrument to be calibrated.

- 2 - Push the pressure/vacuum valve to select the desired function.

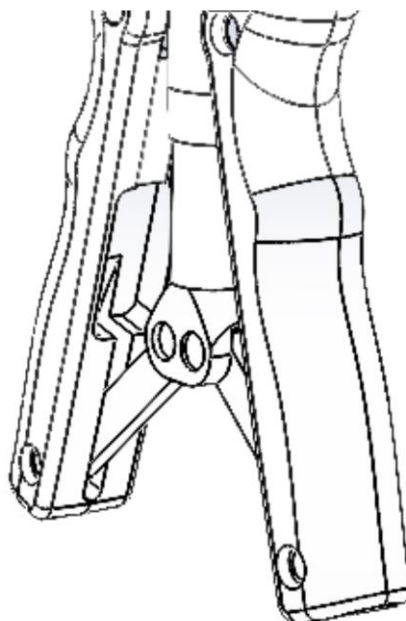
MANUAL PNEUMATIC PUMP – AirMaxy-500

3 - To close the relief valve, turn the relief knob located near the fine adjustment clockwise until fully closed.

4 - Before starting pressurization with the lever, move the fine adjustment near the midpoint of its range for better efficiency and adjustment.



5 - To relieve pressure slowly, turn the relief knob counterclockwise. To increase or decrease pressure in a controlled manner, use the fine adjustment knob.



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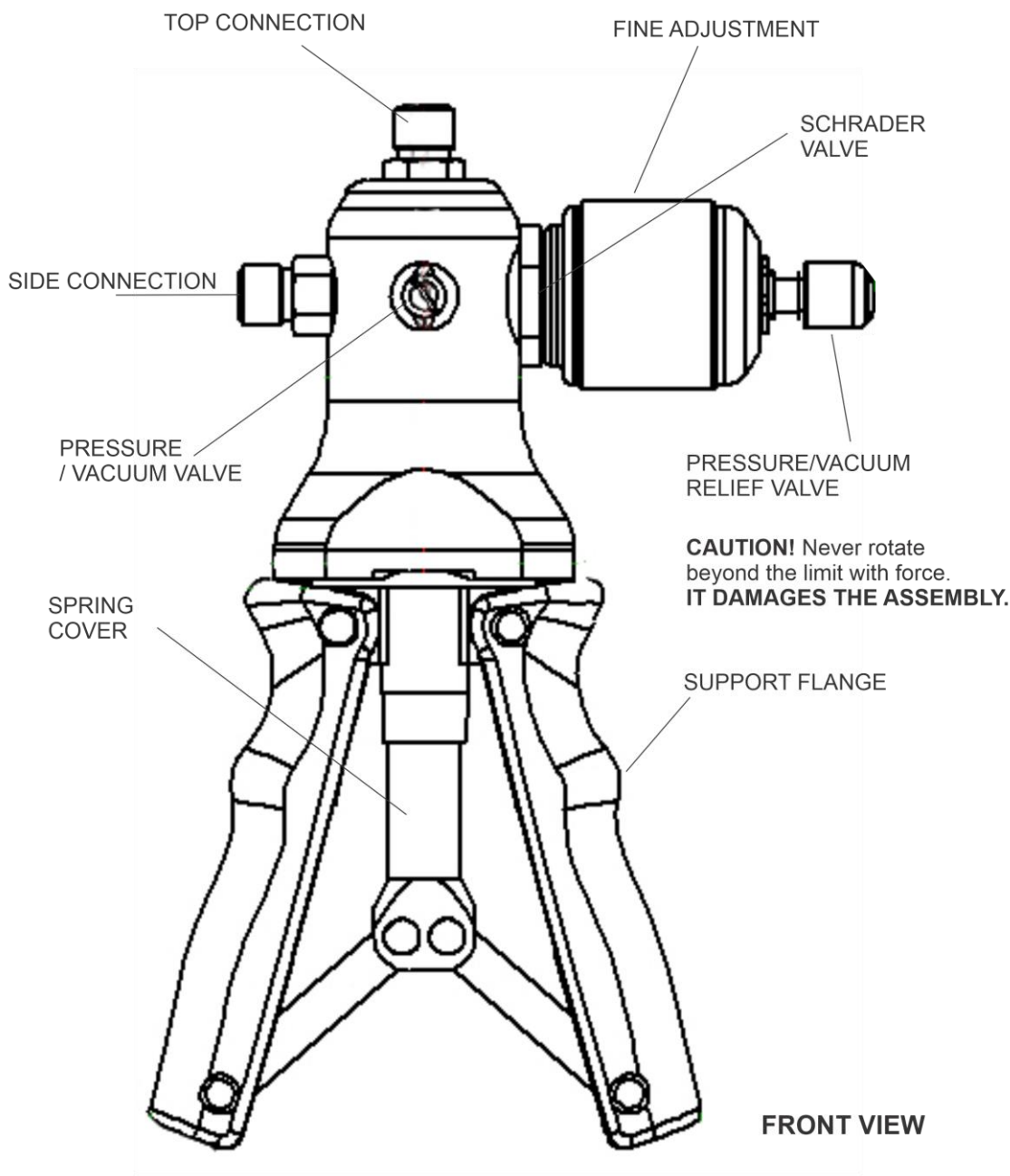
6 - After approaching the desired pressure/vacuum, make adjustments using the fine adjustment knob. Turning the adjustment counterclockwise will decrease the pressure, while turning it clockwise will increase the pressure.

7 - To relieve pressure slowly, turn the relief knob counterclockwise.

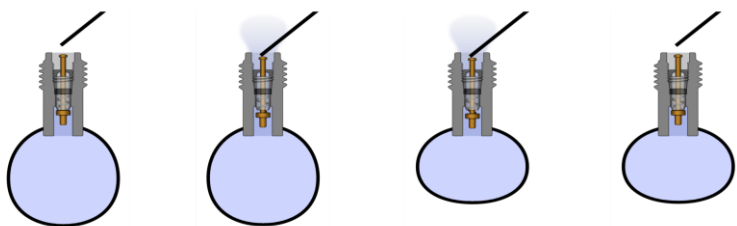


Do not change the pressure/vacuum valve selection while the pump is pressurized, as this may damage the pump seals.

MANUAL PNEUMATIC PUMP – AirMaxy-500



Schrader Valve
Operating Sequence



ACCESSORY FOR MANUAL PNEUMATIC PUMP – AirMaxy-500

IMPURITY SEPARATOR



ALWAYS USE IN A VERTICAL POSITION TO PREVENT LIQUIDS FROM FLOWING INTO THE PNEUMATIC PUMP.

The impurity separator BY-100/SI was developed to protect pneumatic pumps from impurities found in pressure gauges, transmitters, and other pressure meters, which can release residues that damage the pneumatic pumps during calibration.

When using the BY-100/SI, monitor the sight glass to prevent any liquid from overflowing and flowing into the pneumatic pump. If cleaning is needed, use two 19 mm wrenches to loosen the flanges, clean, and reassemble.

Maximum working pressure is 500 psi (35 bar).



CAUTION: WHEN TIGHTENING THE FLANGES, NEVER USE EXCESSIVE FORCE.



ENSURE THAT THE RESIDUES ARE COMPATIBLE WITH THE COMPONENTS OF THE IMPURITY SEPARATOR (STAINLESS STEEL, POLYCARBONATE, AND BUNA-N).

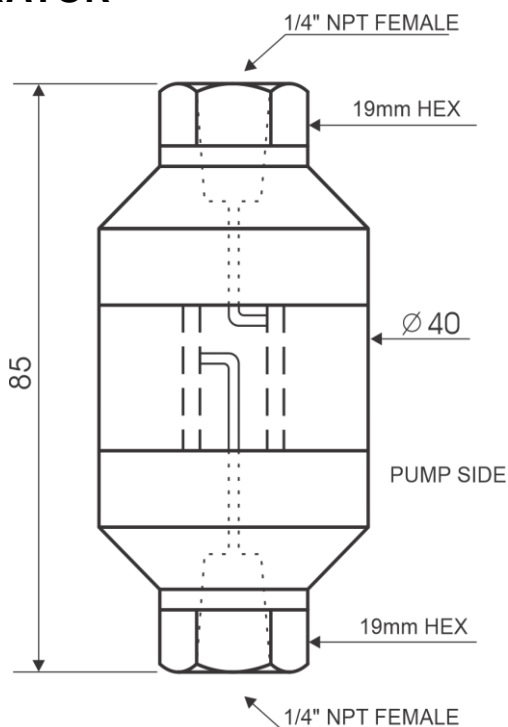
NEVER CLEAN THE SIGHT GLASS WITH SOLVENTS, PETROLEUM DERIVATIVES, OR OTHER CHEMICALS; USE WATER AND DETERGENT FOR CLEANING.



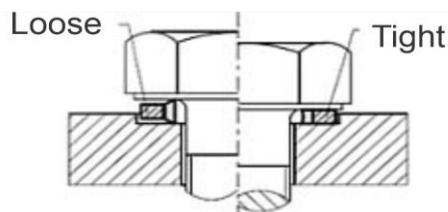
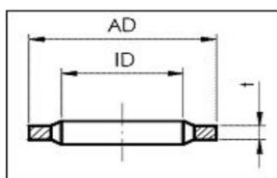
ONLY USE O-RINGS FOR BSP THREADS; NEVER USE THREAD SEAL TAPE (TEFLON).



ALWAYS USE IN A VERTICAL POSITION.

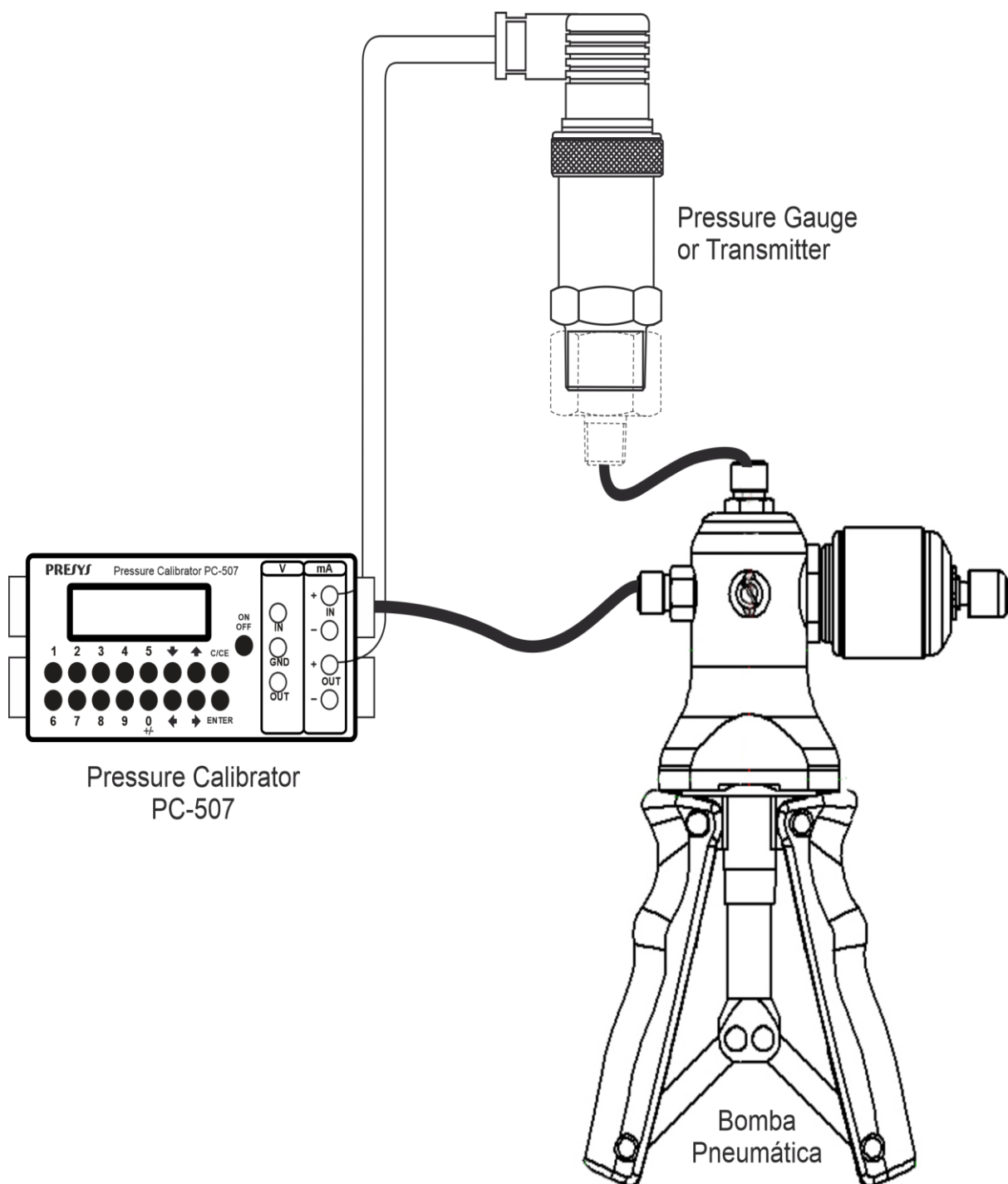


Rubber
Ring



Sealing for BSP thread.

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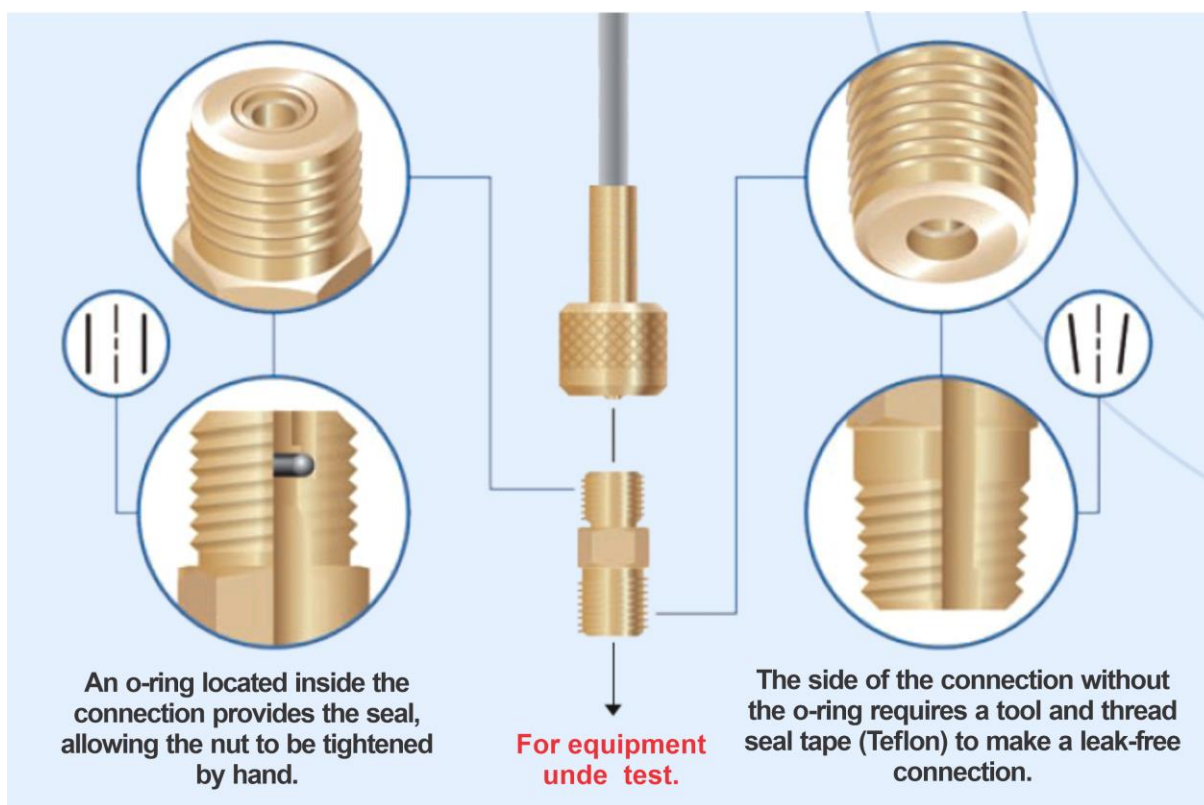


Pump with Impurity Separator

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HOSES AND QUICK CONNECTORS

PRESYS quick connectors save time and eliminate leaks.



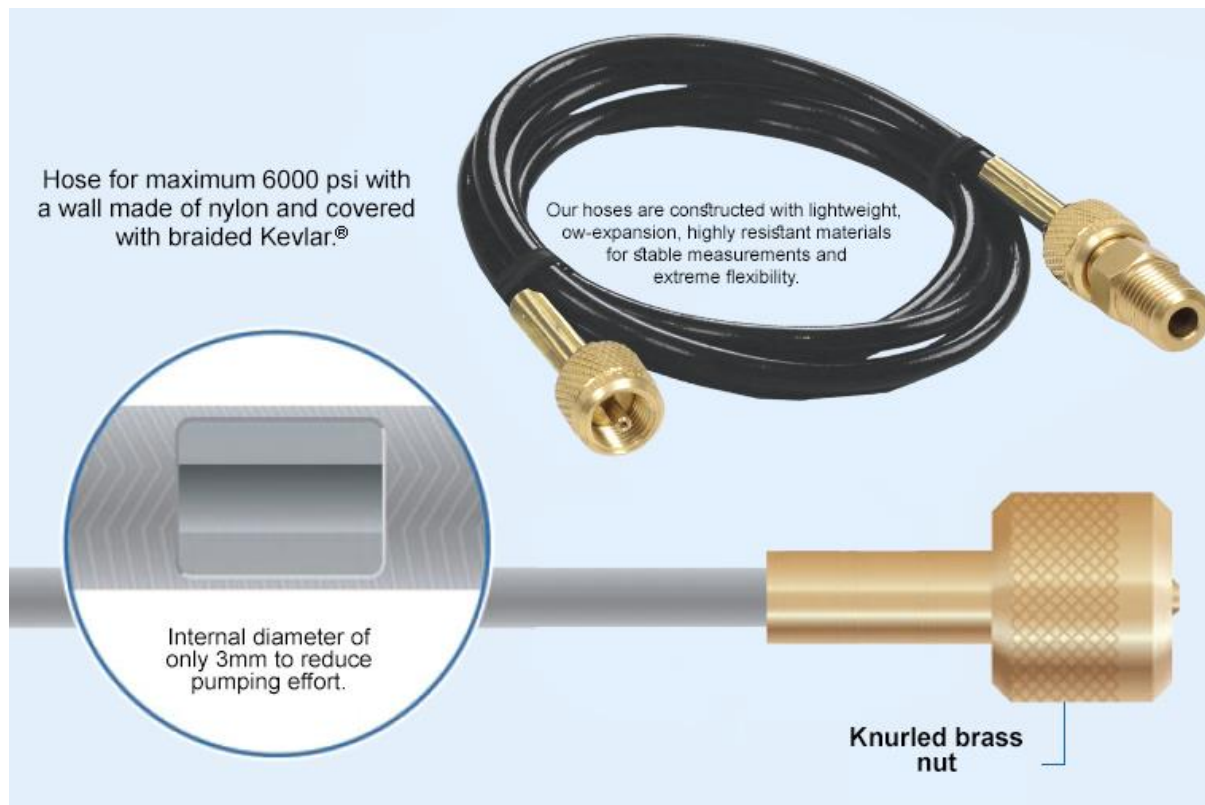
The Parallel Thread Side is Not NPT



The NPT Thread Side is Tapered

High-Pressure Hose Adapters

ACCESSORY FOR MANUAL PNEUMATIC PUMP – AirMaxy-500



High-Pressure Hose

