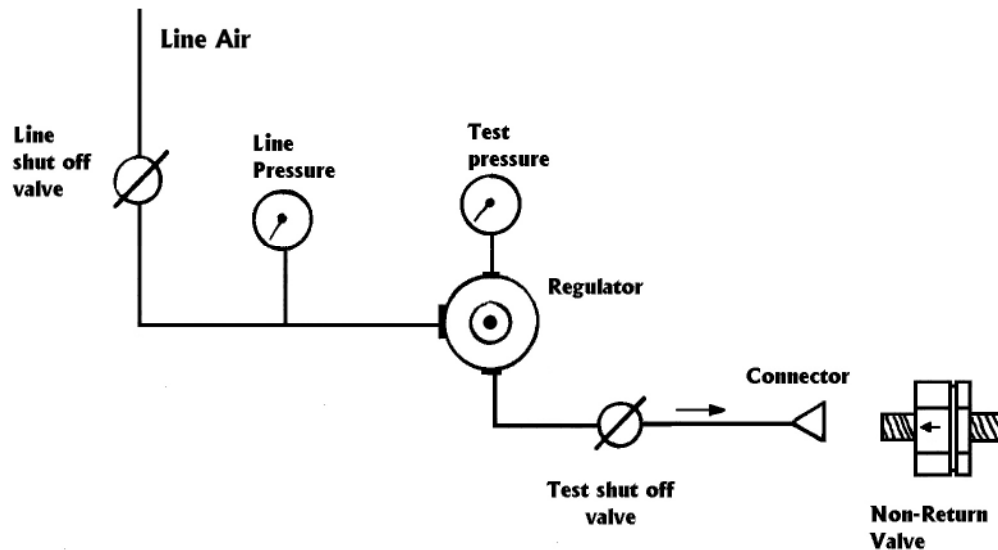




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## Leak testing of DESCO Non-Return Valve

The Non-Return Valve on the DESCO Air Hat is the same part as is used on the DESCO Jack Browne Mask. This unit has been in use in excess of 50 years and has proven to be reliable. New Non-Return Valves are tested in the factory for leak back. The diagram below illustrates the test station and the procedure.



The connector is 1/4" NPT. The outlet side of the Non-Return Valve is screwed into the connector. Air pressure (10psi) is applied to the Non-Return Valve and it is submerged in water. Leak back will appear as bubbles coming out of the inlet. If leakage is detected the Non-Return Valve must be disassembled and the seat, disk, and spring checked. The joint where the two Non-Return Valve halves meet should also be checked during testing. The Non-Return Valve should only be reassembled and installed using pipe thread compound. Teflon® tape should never be used in the air supply train.