JORDANVALVE

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I & M Mark 15

Installation & Maintenance Instructions for Mark 15 Top Mounted Positioners

Warning: Jordan Valve Regulators and Control Valves must only be used, installed and repaired in accordance with these Installation & Maintenance Instructions. Observe all applicable public and company codes and regulations. In the event of leakage or other malfunction, call a qualified service person; continued operation may cause system failure or a general hazard. Before servicing any valve, disconnect, shut off, or bypass all pressurized fluid. Before disassembling a valve, be sure to release all spring tension.

Please read these instructions carefully!

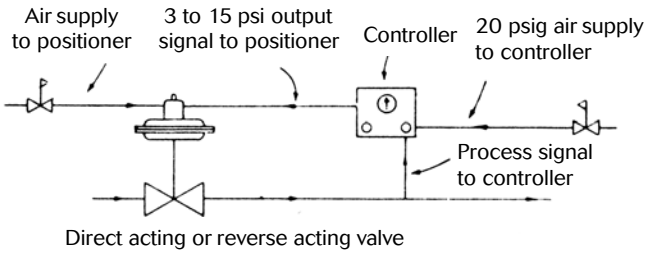
Your Jordan Valve product will provide you with long, trouble-free service if it is correctly installed and maintained. Spending a few minutes now reading these instructions can save hours of trouble and downtime later. When making repairs, use only genuine Jordan Valve parts, available for immediate shipment from the factory.

Operation

Under some conditions, a control valve may not have enough power to position itself in response to the controller air output. The purpose of the positioner is to position the valve accurately to the amount of opening dictated by the controller output pressure. In other words, the positioner supplies the extra "muscle" needed to move the valve seats to the proper opening.

Installation

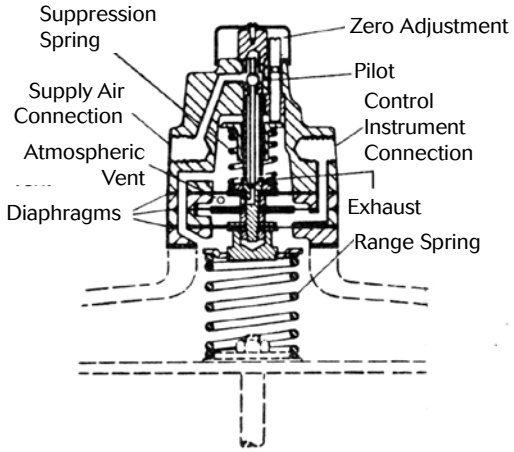
The built-in valve positioner is mounted on your Jordan control valve at the factory. Be sure to read the Installation and Maintenance sheet for the control valve as it contains complete instructions for installing the valve.



1. After installing the valve, connect the controller OUTPUT connection to the positioner INSTRUMENT connection.
2. Connect the SUPPLY AIR to the positioner SUPPLY connection. The supply air should be clean and dry, and regulated at 35 - 40 psi, unless otherwise specified. The use of a filter-dripwell air regulator is recommended.

Adjustments

The positioner and the control valve have been synchronized at the factory. If it becomes necessary to adjust the synchronization turn the ZERO ADJUSTMENT SCREW. With the control air pressure at the midpoint of its range (9 psi if the range is 3 to 15psi) turn the ZERO ADJUSTMENT SCREW until the valve is at the midpoint of its stroke. Then check the valve stem position at both ends of the range (3 and 15 psi).



Pressure Gauge

A pressure gauge may be installed in lieu of the pipe plug between the SUPPLY and INSTRUMENT connections.

Maintenance

1. To clean the positioner, remove the hex head sealing screw, which is under the top cap. Lift out the spring and pilot seat, and clean with compressed air.
2. To clean the exhaust, or to replace the diaphragm, remove the two assembly screws in the bottom ring. When reassembling, keep the index groves in alignment.