

- Check valve solenoid control feature by De-Energizing & Energizing the solenoid to close & open the valve.

Trouble-Shooting:

Symptoms	Cause	Remedy
Valve fails to open	<ol style="list-style-type: none"> Not sufficient inlet pressure Not sufficient flow Adjusting screws Solenoid functioning 	<ol style="list-style-type: none"> Check for sufficient inlet pressure- Create demand/flow, confirm pilot setting- Check that the Pilot adjusting screw is not loose. Check solenoid power supply, coil & Manual Override Handle position
Valve fails to close	<ol style="list-style-type: none"> Cock valve (1) position. Control circuit is clogged. Solenoid functioning- Debris- Diaphragm- 	<ol style="list-style-type: none"> Confirm cock valve (1) is open. Check for any debris trapped in the valve control circuit. Check solenoid power supply, coil & Manual Override Handle place. Check for any debris trapped in the valve body. Check diaphragm is not leaking-
Valve fails to regulate	<ol style="list-style-type: none"> Not sufficient inlet pressure Not sufficient flow Solenoid functioning Pilots setting- Air trapped in the control-chamber- 	<ol style="list-style-type: none"> Check for sufficient inlet pressure Create demand/flow, confirm pilot setting Check solenoid power supply, coil & Manual Override Handle position Check Pilot setting- Release air trapped in the control chamber by loosening cover tube fitting at the highest point.

Preventive Maintenance:

- System operating conditions that effect on the valve should be checked periodically to determent the required preventative maintenance schedule.
- Maintenance instructions:
 - Tools required:
 - Metric and imperial wrenches
 - Anti-seize grease
 - Visual inspection to locate leaks and external damages
 - Functional inspection including: closing, opening and regulation.
 - Close upstream and downstream isolating valves (and external operating pressure when used)
 - Once the valve is fully isolated vent pressure by loosening a plug or a fitting.
 - Open the screw nuts and remove the cover unit from the valve body. Disassemble necessary control tubs.
 - It is highly recommended to stock a reserve parts assembly for each size. This allows minimum system field work. And system down time.
 - Disassemble the cover and examine the inside parts carefully for signs of wear, corrosion, or any other abnormal conditions.
 - Replace worn parts and all the Elastomers. Lubricate the bolts and screws threads with Anti seize grease.
 - Winterizing /freezing prevention: drain the valve & the valve accessories (pilot, solenoid) on time.

Spare Parts

Bermad has a convenient and easy to use ordering guide for valve spare-parts and control system components. For solenoid valves refer to model and S/N on solenoid tags.

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