

Trouble-Shooting:

Symptoms	Cause	Remedy
Valve fails to open	<ol style="list-style-type: none"> 1. Cock valve position (26). 2. Not sufficient inlet pressure. 3. Not sufficient flow. 4. Adjusting screws. 	<ol style="list-style-type: none"> 1. Check Cock valve (26) positioning on Auto. 2. Check for sufficient inlet pressure- 3. Create demand/flow, confirm pilot setting- 4. Check that the Pilot adjusting screw is not loose.
Valve fails to close	<ol style="list-style-type: none"> 1. Control circuit is clogged. 2. Debris- 3. Diaphragm- 	<ol style="list-style-type: none"> 1. Check for any debris trapped in the valve control circuit. 2. Check for any debris trapped in the valve body. 3. Check diaphragm is not leaking-
Valve fails to regulate	<ol style="list-style-type: none"> 1. Not sufficient inlet pressure 2. Not sufficient flow 3. Pilots setting- 4. Cock valve position (26). 5. Air trapped in the control chamber- 	<ol style="list-style-type: none"> 1. Check for sufficient inlet pressure 2. Create demand/flow, confirm pilot setting 3. Check Pilot setting- 4. Check Cock valve (26) positioning on Auto. 5. Release air trapped in the control chamber by loosening cover tube fitting at the highest point.

Preventive maintenance:

1. System operating conditions that effect on the valve should be checked periodically to determent the required preventative maintenance schedule.
2. Maintenance instructions:
 - 2.1. Tools required:
 - 2.1.1. Metric and imperial wrenches
 - 2.1.2. Anti-seize grease
 - 2.1.3. Visual inspection to locate leaks and external damages
 - 2.2. Functional inspection including: closing, opening and regulation.
 - 2.3. Close upstream and downstream isolating valves (and external operating pressure when used)
 - 2.4. Once the valve is fully isolated vent pressure by loosening a plug or a fitting.
 - 2.5. Open the screw nuts and remove the cover unit from the valve body. Disassemble necessary control tubs.
 - 2.6. It is highly recommended to stock a reserve parts assembly for each size. This allows minimum system field work. And system down time.
 - 2.7. Disassemble the cover and examine the inside parts carefully for signs of wear, corrosion, or any other abnormal conditions.
 - 2.8. Replace worn parts and all the Elastomers. Lubricate the bolts and screws threads with Anti seize grease.
 - 2.9. 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.

Pub # : IOM-IR-470-KUZb-1.5" 4"	By : YG 4/13	Rev: YG 4/13	File name : IOM-IR-470-KUZb-R-1.5"-4"- 4/13	PT1AE08-01
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