

### ME670-USRK UPPER SEAL REPAIR KIT FOR: ME670 THRU ME673 SERIES FILL AND WITHDRAWAL VALVES

!!!WARNING!!!

READ AND UNDERSTAND ALL INSTRUCTIONS INCLUDED WITH THIS REPAIR KIT RELIEVE ALL PRESSURE FROM SYSTEM BEFORE REMOVING VALVE FOR SERVICE

**NOTE:** Numbers in brackets [] refer to the number in the valve component list.



WARNING: These products contain a chemical known to the state of California to cause cancer and birth defects or reproductive harm

## A. Disassembly

- 1. EVACUATE ALL PRESSURE FROM SYSTEM BEFORE ANY DISASSEMBLY OR REPAIR.
- 2. Remove Hex Nut [16], Split Lock Washer [15], Information Plate [14], and Handwheel [13] from Valve Shaft [3] and retain.
- 3. Remove Valve Bonnet [5] from Valve Body [1] and retain.
- 4. Remove Bonnet Seal [4] from Valve Body [1] and discard.
- 5. Remove Valve Shaft Gland [12] from Valve Bonnet [5] and retain.
- 6. Remove Valve Shaft Gland O-Ring [10] from Valve Shaft Gland [12] and discard.
- 7. Remove (2) Stem Bushing Nests [9], Stem Bushings [8], Gland Seal [11], Stem Bushing Washer [7], and Valve Spring [6] from Valve Bonnet [5]. Discard (2) Stem Bushing Nests [9], Stem Bushing [8], Stem Bushing Washer [7], and Gland Seal [11]. Retain Valve Spring [6].
- 8. Inspect Valve Body [1] and Valve Bonnet [5] and clean if necessary, be sure interior is free of dirt, residue and foreign particles.

# **B.** Reassembly

- 1. Install Valve Spring [6] and Stem Bushing Washer [7] into Valve Bonnet [5].
- 2. Apply Lubriplate to Stem Bushing [8], (2) Stem Bushing Nests [9], and Valve Shaft Gland O-Ring [10] and install into Valve Shaft Gland [12].
- 3. Install Gland Seal [11] into Valve Bonnet [5].
- 4. Apply Loctite #271 to threads of Valve Shaft Gland [12] and install into Valve Bonnet [5], tighten.
- 5. Install Bonnet Seal [4] into Valve Body [1].
- 6. Thread Valve Shaft [3] into Valve Bonnet [5] until Gasket Holder Assembly [2] bottoms on Valve Bonnet [5]. Apply Loctite #271 to Threads of Valve Bonnet [5] and install into Valve Body [1].
- 7. Install Handwheel [13], Information Plate [14], Split Lock Washer [15], and Hex Nut [16] onto Valve Shaft [3] and tighten.
- 8. Connect the Valve Assembly outlet to a pressure source of at least 150 psi. Check for leaks at all joints and stem seals using a suitable leak detector solution such as "Marshall Excelsior" leak detector.

**CAUTION:** Do Not Use the valve if any joints continue to leak under pressure.

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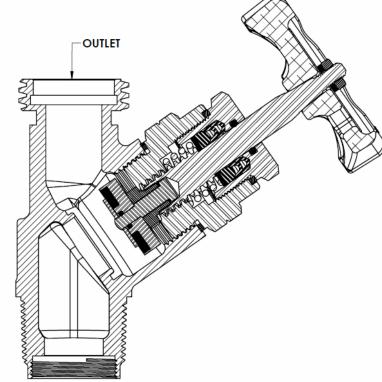
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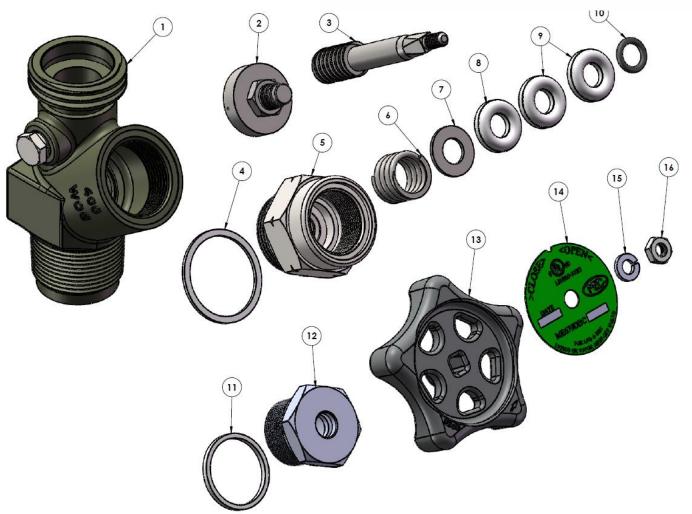
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# **C.** Component List

- 1.
- Valve Body Gasket Holder Assembly 2.
- Valve Shaft 3.
- 4. **Bonnet Seal**
- Valve Bonnet 5.
- 6. Valve Spring
- Stem Bushing Washer 7.
- Stem Bushing 8.
- Stem Bushing Nest, 2 required Valve Shaft Gland O-Ring 9.
- 10.
- Gland Seal 11.
- Valve Shaft Gland 12.
- Handwheel 13.
- 14. **Information Plate**
- Split Lock Washer 15.
- Hex Nut 16.





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