

### ME840-24SRK SEAL REPAIR KIT FOR ME840-24 SERIES VALVE ASSEMBLY



#### !!!WARNING!!!

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

#### SEAL REPAIR INSTRUCTIONS

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

#### A. Disassembly

## 1. EVACUATE ALL PRESSURE FROM SYSTEM BEFORE ANY DISASSEMBLY OR REPAIR.

- 2. Remove Cap [12] on top of Bonnet [2] and retain.
- 3. Turn Adjusting stem [11a] counter clockwise until it stops to relieve Spring [4].
- 4. Remove 4 Bolts [14] and discard.
- 5. Remove Bonnet [2] from Body [1].
- 6. Remove and discard Valve Stem Assembly [11] and Washer [10] from Bonnet [2].
- 7. Remove and retain Spring [4], and discard Valve [3], and all Seals [6, 7 & 8] from Body [1].
- Inspect Valve Body [1], and clean if necessary, be sure interior is free of dirt, residue and foreign particles.
   CAUTION: Do not SCRATCH or MARK seat area in valve body.

#### **B.** Reassembly

- Apply silicone grease to new O-rings [6 &7] and Cap Seal [8]
- 2. Place O-ring [7] into lower groove in body [1].
- 3. Place second O-ring [7] over Cap Seal [8] and place Assembly into Body [1] as shown.
- 4. Place new Valve [3] into Body [1] as shown
- 5. Place new Flange O-ring Seal [6] in Valve Body [1] as shown
- 6. Place new O-rings [5] onto Stem Assembly [11]
- 7. Thread Spring Retainer [11b] all the towards o-rings [5] on Stem Assembly [11] and insert Stem Assembly [11] into Bonnet [2]
- 8. Place Spring [4] into Valve [3] as shown
- 9. Place assembled Bonnet [2] onto Body [1] with Nameplate [9] facing inlet and thread 4 Bolts [14] into Body [1] retaining Bonnet [2].

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 JOINT CONTINUES TO LEAK UNDER PRESSURE.

10. Re-adjust set point for Valve and Thread Cap [12] onto Bonnet [2].

#### **Valve Component List**

- 1. Body
- 2. Bonnet
- 3. Valve
- 4. Spring
- 5. O-Ring, 2 required
- 6. O-Ring
- 7. O-Ring, 2 required
- 8. O-Ring Cap Seal
- 9. Nameplate (not shown)
- 10. Washer
- 11. Stem Weldment
- 11a. Stem
- 11b. Retainer
- 11c. Washer
- 11d. Dowel Pin, 2 required (not shown)
- 12. Cap
- 13. Nameplate screw, 2 required (not shown)
- 14. Bonnet Bolt, 4 required
- 15. 1/4" NPT Plug, 2 required (not shown)

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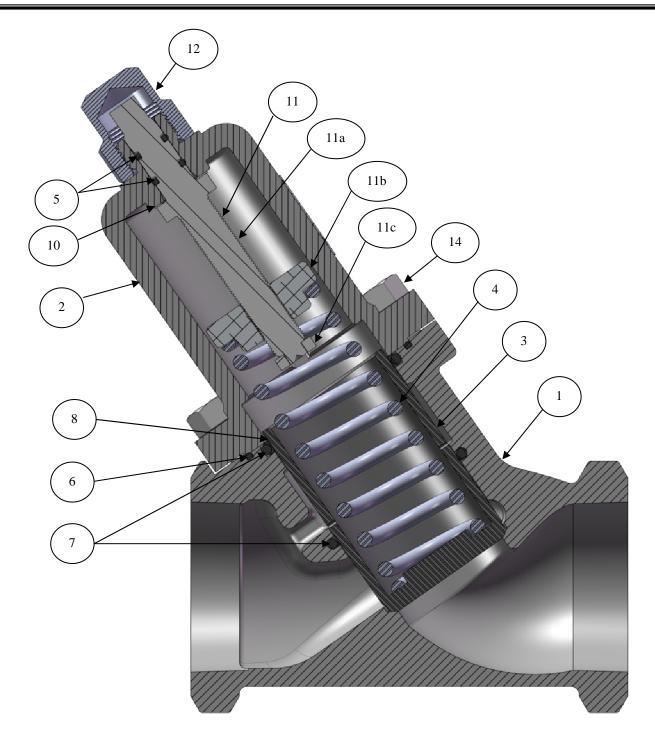
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