

ME840K
VALVE REPAIR KIT
FOR: 1 1/4" TO 2" SERIES BYPASS VALVE ASSEMBLY

!!!WARNING!!!

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

VALVE 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 Hex Screw [13] from Flange [12] and discard Hex Screw [13] and Flange O-Ring [11].
3. Remove Cap [10] on top of Bonnet [5] and discard.
4. Loosen Locknut [9] and remove Stem [8] and Locknut [9] from Bonnet [5] and discard.
5. Remove Bonnet [5] from Body [1] and retain.
6. Remove Spring [3] and retain.
7. Remove Poppet [2] from Body [1] and discard.
8. Remove and discard Spring Guide [6] and O-Rings [4 and 7] from Bonnet [5]
9. Inspect Valve Body [1] and Bonnet [5], and clean if necessary, be sure interior is free of dirt, residue and foreign particles.
CAUTION: Do not SCRATCH or MAR seat area in valve body.

B. Reassembly

1. Install Poppet [2] into Body [1].
2. Install Spring [3] onto Poppet [2].
3. Apply silicone grease to Spring Guide O-Ring [7] and install Spring Guide [6] onto Spring [3].

4. Apply silicone grease to Bonnet O-Ring [4] and install in groove of body [1].
5. Install Bonnet [5] into Body [1].
6. Install Stem [8] into Bonnet [5].

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.**

7. Re-adjust set point for Valve and Thread Cap [16] onto Bonnet [5].
8. Apply silicone grease to Flange O-Ring [1] and install into Flanges [12]. Attach Flanges [12] to Body [1] with Hex Screw [13].

C. Valve Component List

1. Body
2. Poppet
3. Spring
4. Bonnet O-Ring
5. Bonnet
6. Spring Guide
7. Spring Guide O-Ring
8. Stem
9. Lock Nut
10. Cap
11. Flange O-Ring, 2 required
12. Flange, 2 required
13. Hex Screw, 8 required
14. 1/4" NPT Plug, 2 required
15. Nameplate
16. Nameplate screw, 2 required

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