

ME840SRK
SEAL 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

SEAL REPAIR INSTRUCTIONS

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

!WARNING!

Evacuate all pressure from system before any disassembly or repair.

1. Remove Hex Screw [13] from Flange [12] and retain Hex Screw [13] and discard Flange O-Ring [11].
2. Remove Cap [10] on top of Bonnet [5] and retain.
3. Loosen Locknut [9] and remove Stem [8] and Locknut [9] from Bonnet [5] and retain.
4. Remove Bonnet [5] from Body [1] and retain.
5. Remove Spring [3] and retain.
6. Remove Poppet [2] from Body [1] and retain.
7. Remove and retain Spring Guide [6] and discard O-Rings [4 and 7] from Bonnet [5]
8. Inspect Valve Body [1] and Bonnet [5], and clean if necessary, be sure interior is free of dirt, residue and foreign particles.

!CAUTION!

Ensure valve seat is not scratched, marred, or otherwise damaged during disassembly and reassembly.

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 onto Spring Guide [6].
4. Install Spring Guide [6] onto Spring [3].

5. Apply silicone grease to Bonnet O-Ring [4] and install in groove of body [1].
6. Install Bonnet [5] into Body [1].
7. 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. **DO NOT USE THE VALVE IF ANY JOINT CONTINUES TO LEAK UNDER PRESSURE.**

8. Re-adjust set point for Valve, then Thread Cap [16] onto Bonnet [5].
9. Apply Lubriplate or equivalent 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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