



**ME980-6K
VALVE REPAIR KIT
FOR: ME980 3/4"-1" EMERGENCY
SHUT-OFF VALVE**

!!!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.

A. Disassembly

- 1. EVACUATE ALL PRESSURE FROM SYSTEM BEFORE ANY DISASSEMBLY OR REPAIR.**
- Remove Handle Rod [28] and Handle Knob [29] from Handle Body [14] and discard.
- Remove Release Pin [30] from Body [1] and retain.
- Remove either Pneumatic Release [31] or Cable Release [32] from Body [1] and retain.
- Remove Handle Screw [21], Handle Washer [20], Nameplate [19], Nameplate Screw [18], and Nameplate Dial [17] from Handle Body [14] and discard.
- Remove Handle Body [14] from Stem [3] and discard.
- Remove Handle Spring [12] from Spring Winder [13] and discard.
- Remove Spring Winder [13], (2) Thermal Pins [16], and Square Key [15] from Handle Body [14] and discard.
- Remove (4) Flange Screws [22] from Flange [2] and discard. Retain Flange [2].
- Remove Flange O-Ring [23], Graphite Seal [24], Valve Seat [26], and Valve Seat Retainer [25] from Flange [2] and discard.
- Remove Stem Bearing Washer [11], Gland [10], Gland bearing [9], Stem [3], Packing Washer [8], Female V-Packing [7], V-Packing [6], Male V-Packing [5], and Packing Spring [4] from Body [1] and discard.

- Remove Clapper Assembly [27] from Body [1] and discard.
- Inspect Body [1] and clean if necessary, be sure interior is free of dirt, residue and foreign particles.

B. Reassembly

- Apply suitable lubricant to Male V-Packing [5], V-Packing [6], and Female V-Packing [7].
- Install Packing Washer [8], Female V-Packing [7], V-Packing [6], Male V-Packing [5], and Packing Spring [4] onto Stem [3].
- Apply suitable lubricant to bore of Body [1] where Stem [3] is installed.
- Install Clapper Assembly [27] into Body [1].
- Install Stem [3] into Body [1] to retain Clapper Assembly [27].
- Install Gland Bearing [9] onto Stem [3].
- Apply Anti-Seize to inside of Gland [10].
- Apply Loctite #271 to threads of Gland [10] and install onto Stem [3] into Body [1], tighten securely.
- Install Flange O-Ring [23] and Graphite Seal [24] onto Flange [2].
- Install Valve Seat [26] onto Valve Seat Retainer [25].
- Apply Loctite #271 to threads of Valve Seat Retainer [25] and install into Flange [2], tighten securely.
- Install Flange [2] into Body [1].
- Apply Loctite #271 to (4) Flange Screws [22] and install into Body [1], tighten securely.
- Install Stem Bearing Washer [11] onto Stem [3].

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15. Install Handle Spring [12] onto Spring Winder [13] and install Spring Winder [13] onto Stem [3].
16. Turn Spring Winder [13] counter clockwise until key slots line up and install Square Key [15] into key slot. Rotate Spring Winder [13] counter clockwise to ensure Clapper Assembly [27] moves freely.
17. Install Handle Body [14] onto Spring Winder [13] with holes aligned.
18. Install (2) Thermal Pins [16] into Handle Body [14].
19. Install Nameplate Dial [17] onto Handle Body [14] with holes aligned.
20. Install Nameplate Screw [18] into recessed hole into Nameplate Dial [17] and tighten.
21. Install Nameplate [19] onto Nameplate Dial [17].
22. Install Handle Washer [20] onto Handle Screw [21]. Apply Loctite #271 to Handle Screw [21] and install into Stem [3], tighten making sure Nameplate [19] still moved freely.
23. Install either the Pneumatic Release [31] or Cable Release [32] into Body [1].
24. Install Release Pin [30] into Body [1] to retain either Pneumatic Release [31] or Cable Release [32].
25. Apply Loctite #271 to threads of Handle Rod [28] and install into Handle Body [14], tighten.
26. 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.

C. Component List

1. Body
2. Flange
3. Stem
4. Packing Spring
5. Male V-Packing
6. V-Packing
7. Female V-Packing
8. Packing Washer
9. Gland Bearing
10. Gland
11. Stem Bearing Washer
12. Handle Spring
13. Spring Winder
14. Handle Body
15. Square Key
16. Thermal Pin; Qty:2
17. Nameplate Dial
18. Nameplate Screw
19. Nameplate
20. Handle Washer
21. Handle Screw
22. Flange Screw; Qty:4
23. Flange O-Ring
24. Graphite Seal
25. Valve Seat Retainer
26. Valve Seat
27. Clapper Assembly
28. Handle Rod
29. Handle Knob
30. Release Pin
31. Pneumatic Release
32. Cable Release

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