

ME990-4F-PRK PACKING REPAIR KIT FOR: ME990-4F 4" SINGLE FLANGE INTERNAL 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.

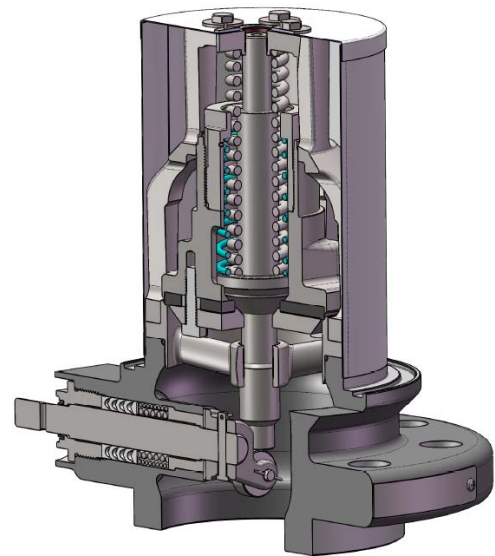
A. Disassembly

1. **EVACUATE ALL PRESSURE FROM SYSTEM BEFORE ANY DISASSEMBLY OR REPAIR.**
2. Remove Cotter Pin [2] from Cam Pin [3] and discard.
3. Remove Cam Pin [3] and Cam Assembly [4] and retain.
4. Remove Stub Washer [5] and retain.
5. Remove Rod Wiper [6], Bonnet [7], Female Adapter [8], (3) V-Packs [9], Male Adapter [10], Packing Washer [11], Packing Spring [13], Ejection Spring [12], Stub [14], Stem Bushing [15], and (2) Gland Bushings [16] from Valve Body [1].
6. Discard Rod Wiper [6], Female Adapter [8], (3) V-Packs [9], Male Adapter [10], and (2) Gland Bushings [16].
7. Inspect Valve Body [1] and clean if necessary, be sure interior is free of dirt, residue and foreign particles.
6. Apply lubriplate to Packing Washer [11], Male Adapter [10], inside "V" of (3) V-Packs [9], and Female Adapter [8] and install over Stub [14] oriented as shown.
7. Install Stub [14] into Valve Body [1].
8. Apply Loctite #242 to threads of Bonnet [7] and install Bonnet [7] into Valve Body [1].
9. Install Stub Washer [5] onto Stub [14].
10. Install Cam Assembly [4] on end of Stub [14] in Valve Body [1].
11. Install Cam Pin [3] and Cotter Pin [2] and bend Cotter Pin [2] around Cam Pin [3].
12. 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

B. Reassembly

1. Install (1) Gland Bushing [16] into Stem Bushing [15].
2. Install shorter side of Stub [14] into Stem Bushing [15].
3. Install Packing Spring [13] and Ejection Spring [12] onto Stub [14].
4. Install Rod Wiper [6] and Gland Bushing [16] into Bonnet [7].
5. Apply lubriplate to Stub Shaft [14] and packing bore on Valve Body [1].



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C. Component List

1. Valve Body
2. Cotter Pin
3. Cam Pin
4. Cam Assembly
5. Stub Washer
6. Rod Wiper
7. Bonnet
8. Female Adapter
9. V-Pack, 3 required
10. Male Adapter
11. Packing Washer
12. Ejection Spring
13. Packing Spring
14. Stub
15. Stem Bushing
16. Gland Bushing, 2 required

