

!!!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 [1 4] and discard. Remove
5. 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].
8. 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

1. 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 Place
5. 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

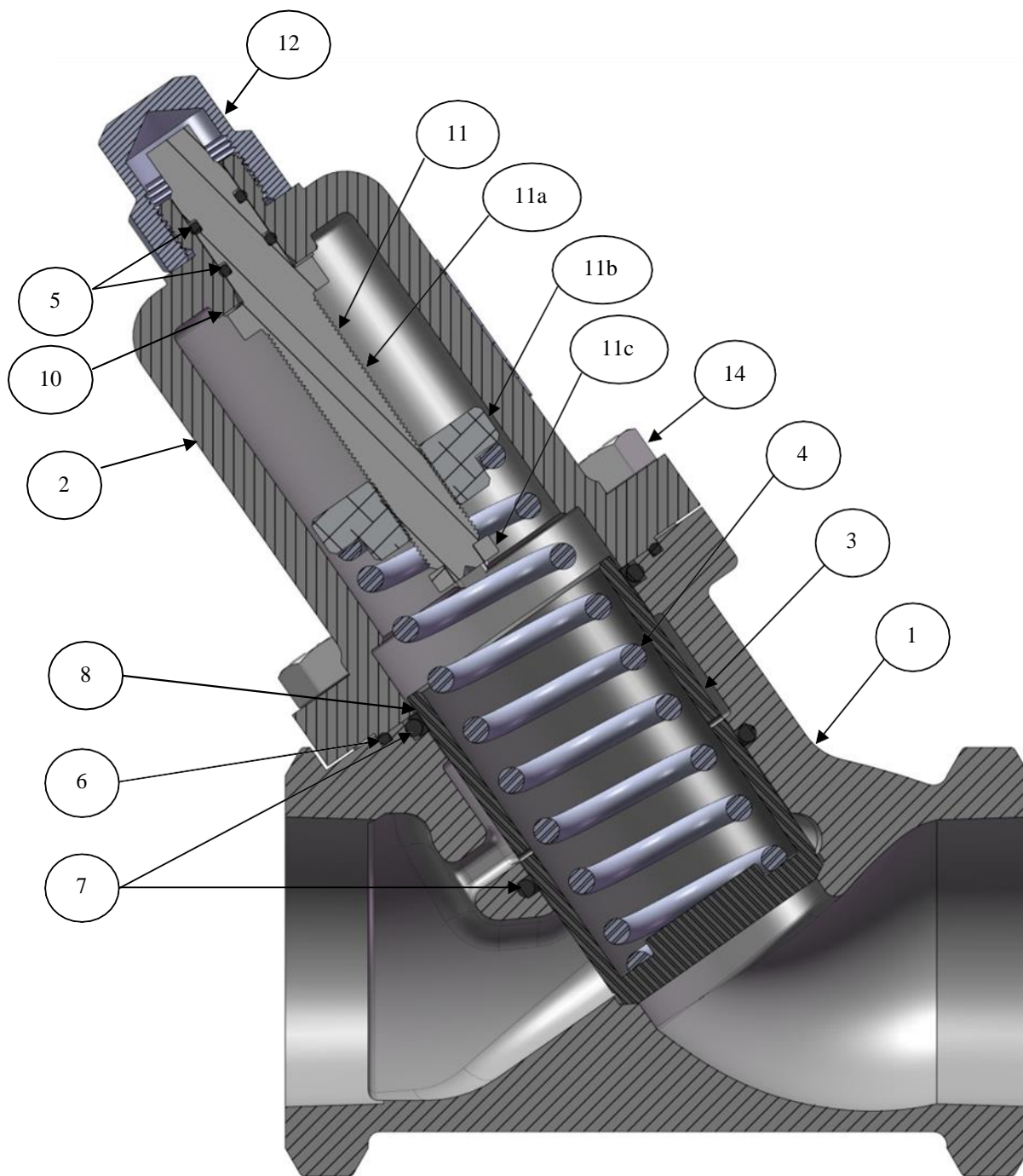
1. Body
2. Bonnet
3. Valve
4. Spring
5. O-Ring, 2 required
6. O-Ring
7. O-Ring, 2 required
8. O-Ring Cap Seal
9. Nameplate (not shown)
10. Washer
11. Stem Weldment
- 11a. Stem
- 11b. Retainer
- 11c. Washer
- 11d. Dowel Pin, 2 required (not shown)
12. Cap
13. Nameplate screw, 2 required (not shown)
14.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



WARNING: These products contain a chemical known to the state of California to cause cancer and birth defects or reproductive harm

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