

4000 Series Ball Check Valve Maintenance Instructions

Seal Kit



WARNING

Before removing any installed valve for maintenance, you must

- Depressurize System
- Cycle The Valve
- Purge The Valve

Disassembly

1. Unscrew stem and remove from body.
(Attention: internal parts are loose and may fall out once stem is removed).
2. Remove the spring, ball, and ball cage from the body. Save the spring and ball cage for reuse. Discard the ball, seat O-Ring and stem O-Ring.

4. Lubricate the stem O-Ring with a system-compatible lubricant. Assemble the stem O-Ring over the passage holes of the stem, fully seating it in the radius of the stem. Be careful not to roll the stem O-Ring which would cause twisting and possible leaks.

Reassembly

1. Ensure that all parts are clean and free of debris.
2. Lubricate the seat O-Ring with a system-compatible lubricant. Assemble the seat O-Ring into seat recess on ball cage. Make sure seat O-Ring is uniformly seated. Install ball cage into valve body, O-Ring end first.
3. Place new ball into ball cage.

5. Insert the spring into the stem.
6. Apply a system-compatible lubricant to the threads of the stem. Insert stem into the body and screw together. Torque the assembly to 25-30 ft-lbs for 1/4" check valves (3/4 Body Hex) and 55-60 ft-lbs for 3/8" check valves (7/8 or larger body Hex).
7. Test valve for proper operation prior to installation in the system.

