

# **4000 Series Ball Check Valve**Maintenance Instructions

### **Seal Kit**



## A

#### **WARNING**

Before removing any installed valve for maintenance, you must

- Depressurize System
- Cycle The Valve
- Purge The Valve

## **Disassembly**

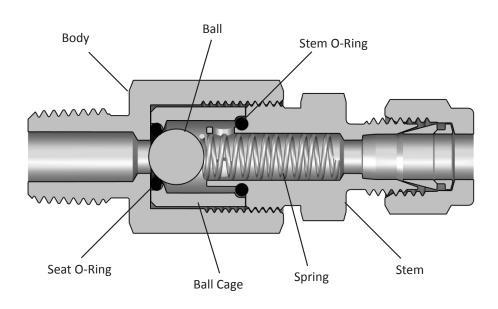
- Unscrew stem and remove from body. (Attention: internal parts are lose and may fall out once stem is removed).
- 2. Remove the spring, ball, and ball cage from the body. Save the spring and ball cage for reuse.

  Discard the ball, seat O-Ring and stem O-Ring.

## Reassembly

- 1. Ensure that all parts are clean and free of debris.
- 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.

- 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.
- 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.



MY-SSP-USA.COM 4000MI-20170919-A