

# 3S DISASSEMBLY FOR CLEANING INSTRUCTIONS



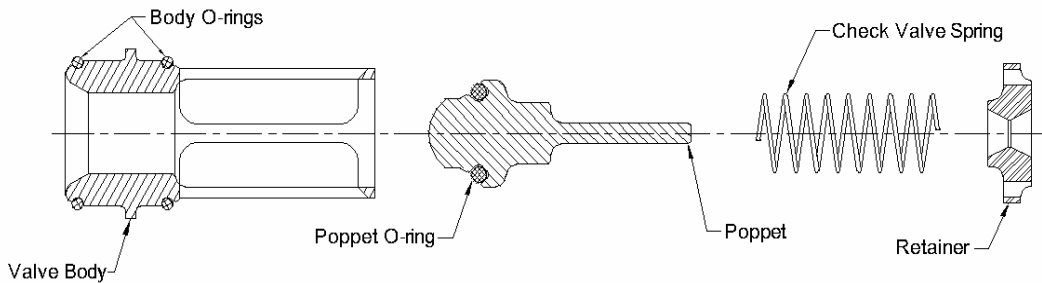
CHECK VALVES ARE OUR ONLY BUSINESS

1800 FULLER ROAD  
WEST DES MOINES, IA 50265  
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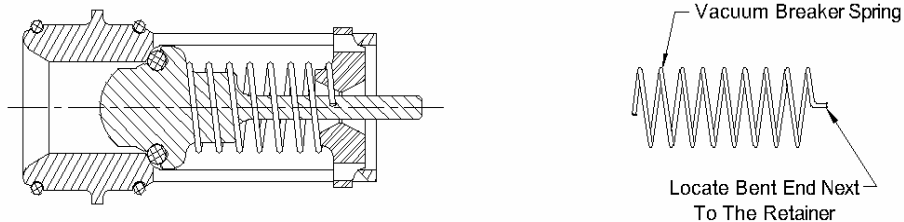
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To disassemble the 3S style valve, start by depressing one side of the retainer as shown in Step 1. With one side of the retainer tipped, rotate the stem of the poppet and remove the retainer as shown in Steps 2, 3, and 4. To reassemble the valve, reverse the process.

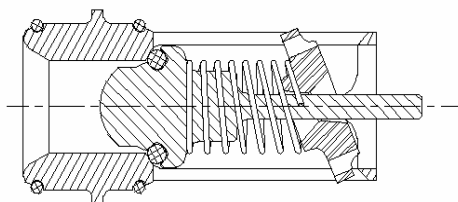
## VALVE PARTS



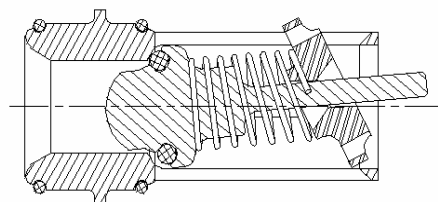
## Assembled Valve



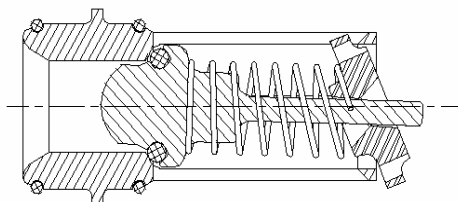
## Step 1



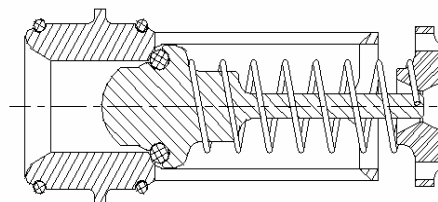
## Step 2



## Step 3



## Step 4



# 3S INSTALLATION INSTRUCTIONS



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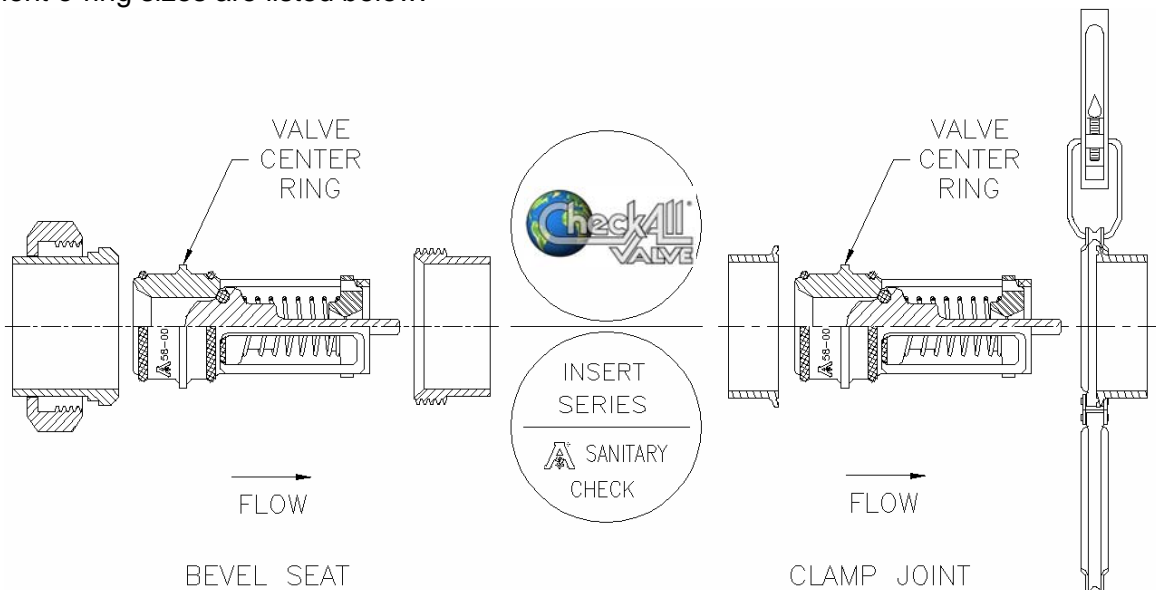
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The Check-All 3-A Sanitary Check Valve may be installed for flow in either direction. Installation is made easier by lightly lubricating both the inside diameter of the fittings and the outside diameter of the o-rings when installing them. When inserting the valve into the line make sure the valve center ring (See drawing below) remains parallel to the face of the fitting. The clamps or nuts that hold the ferrules together do not need to be over tightened because the valve seals itself on the inside diameter of the pipe.

The service period of the o-rings is dependent on their formulation and the environment of use. The environment of use is influenced by the product process temperature, the cleaning and bactericidal compounds used, and time of exposure. Users should frequently monitor the physical condition of the o-ring product contact surfaces. Such observations are necessary to determine the actual sanitary service period of o-rings. It is further recommended that the o-rings be replaced before surface imperfections or sloughing occurs. Routine replacement schedules should be established and followed.

Replacement o-ring sizes are listed below:



US PATENT NUMBERS 5,033,503, 6,039,073, & 6,152,171  
 CANADIAN PATENT NUMBER 2,039,991

| NOMINAL LINE SIZE | STYLE NUMBERS<br>316/316L SS | POPPET O-RING SIZE | BODY O-RING SIZE | O-RING REPLACEMENT KIT<br>(CONTAINS 3 POPPET O-RINGS & 6 BODY O-RINGS) |
|-------------------|------------------------------|--------------------|------------------|--|
| 1                 | 3SHSS                        | 2-110              | 2-017            | OK-100-XX*   |
| 1-1/2             | 3SJSS                        | 2-116              | 2-024            | OK-150-XX*   |
| 2                 | 3SKSS                        | 2-120              | 2-222            | OK-200-XX*   |
| 2-1/2             | 3SLSS                        | 2-127              | 2-225            | OK-250-XX*   |
| 3                 | 3SMSS                        | 2-327              | 2-229            | OK-300-XX*   |
| 4                 | 3SNSS                        | 2-330              | 2-237            | OK-400-XX*   |

\*Fill in XX with o-ring material abbreviation. 3E=EPDM, 3V=Viton®, 3S=Silicone, 3K=Kalrez®.