



Series 300 Eccentric Plug Valves

Installation, Operation and Maintenance

INSTALLATION

A. ENDS - UNITED STATES STANDARD

1. Flanges are to 125 lbs. A.N.S.I. Standard
2. Bell ends are to A.W.W.A. Standard C100-55 Class D.
3. Mechanical ends are to A.W.W.A. Standard C111-64.
4. Threaded ends are to A.N.S.I. Standard for pipe threads
5. Victaulic ends are sized for use with Victaulic Company's Style No.77 standard coupling.
6. Dresser ends are to sizes in common usage.
7. Sealastic Ends. These ends are for use with Chicago Fittings Corporation SEALASTIC FITTINGS for all types of metal or plastic tubing.

B. FLOW - Install the valve with the seat on the downstream side. The seat end is identified on the valve body with an arrow and is shown on the assembly drawing.

MAINTENANCE AND REPAIR

A. LUBRICATION FOR NORMAL SERVICE - This valve is lubricated at the factory and requires no lubrication. If it is disassembled, lubricated the o-ring groove, the top bushing, and the spring with Keystone Vetostane unless RS55 o-rings are used. For valves with RS55 o-rings, use Dow Corning No. 44 grease.

FOR OXYGEN SERVICE - Lubricate all oxygen service valves with Hooker Fluorolube GR-362.



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B. VALVE DISASSEMBLY

1. Turn off the flow to the valve.
2. Use a “C” clamp to depress the plug so that the snap ring can be removed. Remove the snap ring.
3. Remove the “C” clamp and the plug and spring.

C. VALVE REASSEMBLY

1. Replace the o-ring seal.
2. Be sure the spring is positioned in the pocket on the valve body and install the plug.
3. Place the snap ring and wear washer on top of the valve and use the “C” clamp to press the plug into the valve body.
4. Install the wear washer, insert the snap ring, and then remove the “C” clamp.
5. Check the snap ring. It should be properly seated in its groove and entirely behind the shoulder on top of the plug.

NOTE: When the snap ring is properly installed, it cannot be removed without depressing the plug.

ADJUSTMENTS

A. OPEN STOP ADJUSTMENTS (IF ORDERED)

1. Insert the split stop ring in the top bore of the valve body.
2. Install the set screw.
3. Turn the split stop ring to the desired position and tighten the set screw to lock in place.
4. Install the cap.



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OPTIONS

The following are options available for actuating the valve.

- FIG 479 - 2" square nut, for use with A.W.W.A. standard wrench.
- FIG 480 - Actuating nut, sizes for commercial usage.
- FIG 483 - Wrench, cast wrench mounts directly on the valve.
- FIG 485 - Extended "T" wrench, wrench has same size socket as FIG 483.
- FIG 487 - Adjustable open position stop, easy adjustments for any open position.

If service conditions necessitate maintaining spare parts, the following are recommended:

O-Ring Seal - Qty (1)
Plug - Qty (1)
Wear Washer - Qty (1)

In all correspondence concerning this unit, always refer to the Figure number stamped on the valve body and shown on the assembly drawing. Also refer to the assembly drawing number, part number, and valve size when ordering parts.