

FEBRUARY 1996

**MILLCENTRIC**

**MULTIPOINT**

**OPERATION & MAINTENANCE**

**MANUAL**

**SERIES 604**

**MILLIKEN VALVE COMPANY**  
**1995 HIGHLAND AVE. SUITE 500**  
**BETHLEHEM, PA 18020-9081**

# OPERATIONS & MAINTENANCE

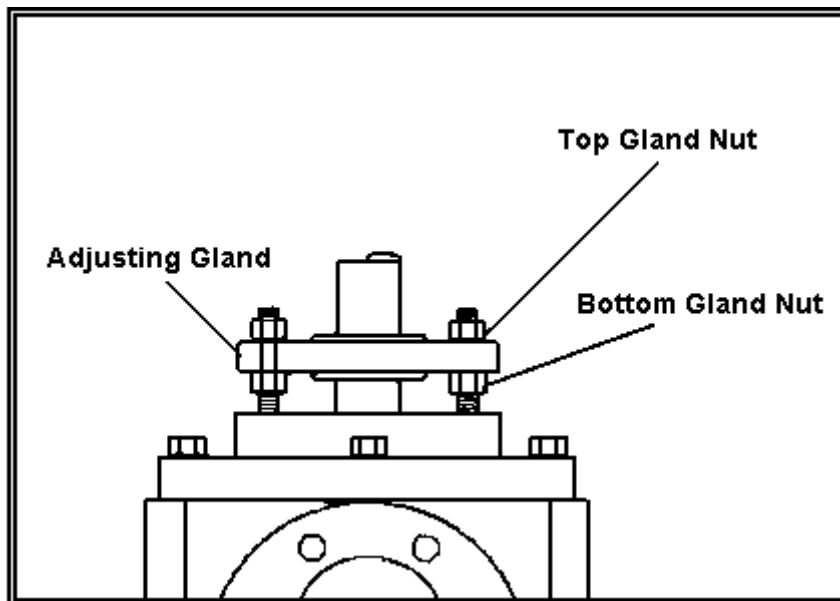
## MAINTENANCE INSTRUCTIONS

### MULTIPOINT PLUG TO SEAT ADJUSTMENT

Plug to seat adjustment is factory set to provide the best possible shut-off with the least amount of rotating torque. If increasing or decreasing seat force is necessary, follow instructions as listed.

#### To Decrease Seat Force (Lift Plug)

- 1) Loosen Top Gland Nuts several turns.
- 2) Turn Bottom Gland Nuts counterclockwise, each 1/2 turn at a time until proper plug elevation is reached.
- 3) Tighten Top Gland Nuts.



#### To Increase Seat Force (Lift Plug)

- 1) Loosen Top Gland Nuts several turns.
- 2) Turn Bottom Gland Nuts counterclockwise, each 1/2 turn at a time until proper plug elevation is reached.
- 3) Tighten Top Gland Nuts.

# ENGINEERING DATA SHEET

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## MAINTENANCE - THREE WAY VALVES

Should the plug need adjustment in the seat to compensate for wear, or to give a tighter shutoff, refer to Data Sheet S2040 - Plug Seat Adjustment - Three Way Valves.

The only item that may need to be replaced are the "U" Cup Seals, which are used as the stem packing.

The procedure for this is as follows:

Remove snap ring using snap ring pliers. Remove thrust washer. The "U" Cup seals are now visible. Using a screwdriver, pry out the old seals.

Apply a small amount of silicone or grease to the new "U" cup seals. This will help them slide in the packing cavity. Put a piece of shim stock in the cavity and put the "U" cup over it. Slide the "U" cup over the stem with shim stock against the stem. This will let any trapped air out of the packing cavity. Now, using two screwdrivers, coax the outer lip of the "U" cup into the cavity while pressing down on the top of the "U" cup with the other screwdriver (See attachment). Continue to do this all the way around until the "U" cup is at the bottom of the packing cavity.

Repeat the procedure with the second "U" cup, and replace the thrust washer and snap ring.

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## MAINTENANCE - THREE WAY VALVES

