



## Series 600 Lubricated Plug Valves

### Installation, Operation and Maintenance

#### Installation:

Two-way valves are symmetrical and can be installed for flow in either direction. Multi-port valves are configured in a variety of flow plans (Styles) and the flow indication marks should be checked to ensure that the desired flow options are obtained during installation.

Threaded end valves have taper threads conforming to ANSI B1.20.1. Flanged end valves have flange drilling conforming to ANSI B16.1 Class 125. Tapped flange holes conform to UNC-2B threading.

When supplied, end protectors should be left in position until the time of valve installation.

New valves stored for three months or more before installation should be re-lubricated and cycled after installation but before actual use.

#### Operation:

Two-way wrench actuated lubricated plug valves close by turning clockwise. Indication marks are provided on the stem to show the plug port position. Stops are provided to limit the travel in the extreme (but not intermediate) ends of travel.

Multi-port wrench actuated lubricated plug valves are arranged for 90, 180 or 270 degree travel. Indication marks on the plug stem show the plug port positions. Stops are provided to limit the travel in the extreme (but not intermediate) ends of travel.

Two-way gear actuated valves are closed by turning the handwheel clockwise and opened by turning the handwheel counter-clockwise. Indication marks are provided on the gearbox to show the plug port positions. Internal stops in the gearbox are provided to limit the travel in the extreme (but not intermediate) ends of travel.



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#### Maintenance:

The only maintenance required on lubricated plug valves is periodic re-lubrication (sealing) with valve sealant. Use only the plug valve sealant approved for the service.

The frequency of re-lubrication must be established for each specific service. As a general guideline, the valve should be re-lubricated as follows:

<u>Number of Valve Cycles</u>	<u>Maintenance Interval</u>
1 - 10 Times Daily	Weekly
10 - 100 Times Daily	Daily
1 - 30 Times Monthly	Quarterly
Less Frequently	Twice Annually
Not in Operation	Twice Annually

\* **Note:** Intervals shown are approximate and may vary based on the specific flow media, temperature, pressure and age/condition of the valve. The intervals can best be determined by experience and can be lengthened or shortened according to each individual situation.

Two-way valves should be re-lubricated only in either the full open or full closed positions. Multi-port valves should be re-lubricated in the extreme end of travel positions.

NOTE: Do not to remove the lubrication fitting(s) installed on the sides of the valve body on large size valves