



## Lubricating Pressurized Plug Valves

MSI Technical Bulletin 047

Subject: In-service lubricating of valves when line pressure is present.

MSI plug valves may be lubricated when line pressure is present when the following measures and precautions are taken:

- Valve is in open position
  - *Valves with GreaSeal™ plugs may be lubricated in the open or closed position*
- Lubrication injector (grease gun) is capable of exceeding line pressure and rated for working pressure of valve
- Rated working pressure of valve is not exceeded during lubrication

When line pressure is present the lubrication injection pressure must be greater than the line pressure to allow lubricant to move from the reservoir to the valve cavity. MSI recommends that the lubrication pressure exceed the line or relative pressure of the valve by at least 3,000 psig to ensure that lubricant fully disperses throughout the valve cavities. However, as the line pressure approaches the rated working pressure of the valve the maximum allowable lubricant injection pressure will decrease. In all cases the maximum lubricant injection pressure will be the difference between the line or relative pressure and the rated working pressure of the valve.

You may contact an MSI representative at [sales@diwmsi.com](mailto:sales@diwmsi.com) or [engineering@diwmsi.com](mailto:engineering@diwmsi.com) if you have any further questions or concerns.

MSI is a division of Dixie Iron Works, Ltd  
300 W. Main St.  
Alice, Texas 78332, USA  
Phone: 800-242-0059  
Fax: 361-664-4840  
[www.diwmsi.com](http://www.diwmsi.com)