

# *Installation, Operation, & Maintenance*

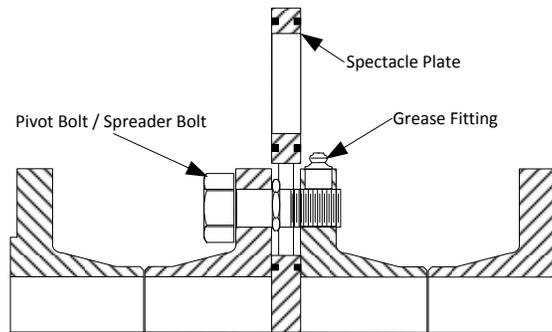
## STYLE FLB FABRICATED LINE BLIND

Line Blinds are available with BUTT-WELD and/or FLANGED ends.

### **Installation:**

Follow standard piping procedures for bolting and/or welding the line blind in to the existing pipeline making sure that the Pivot Bolt is positioned at the top of the flange.

**NOTE:** Extra care must be taken to prevent the 'O-rings' from exposure to heat when welding.



### **Operation:**

When the line blinds are installed and the spectacle plate needs to be moved in order to change the flow, the following steps should be followed:

1. Close the isolation valves located at both the upstream and downstream side of the line blind.
2. Release all the pressure in the pipe line and allow all of the fluids to drain.
3. Rotate the spreader bolts evenly and in a COUNTERCLOCKWISE direction to spread the flanges apart.
4. After the opening between the flanges is widened (by approximately  $\frac{1}{8}$ " ), the spectacle should be rotated 180°.
5. Center the spectacle blind on the stop pins. Only after this is done should the flanges be closed by rotating the spreader bolts evenly and in a CLOCKWISE direction. Closing the flanges will compress the 'O-rings' effectively sealing the line blind in the pipeline.
6. Slowly open the isolation valves at both the upstream and downstream side of the line blind.

### **Trouble Shooting:**

There are two possibilities for leakage through, or around, the spectacle plate.

1. Faulty seal.
  - Inspect the seal for cracks, tears, or other damage and debris. Replace or clean as necessary.
2. Misalignment.
  - To correct, follow steps 1 to 3, and then steps 5 and 6, as shown in the OPERATION section above, making sure that the spreader bolts are turned evenly to form a proper seal.

### **Maintenance:**

1. Inspect the O-ring seals in the spectacle plate during each rotation and replace as necessary.
2. Lubricate the spreader bolts by applying grease through the grease fitting(s) as needed before each rotation of the spectacle plate.