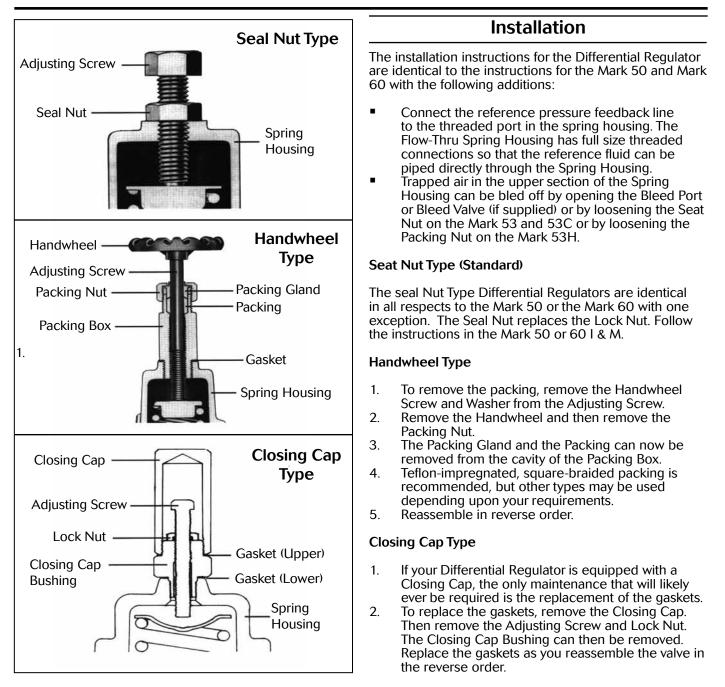


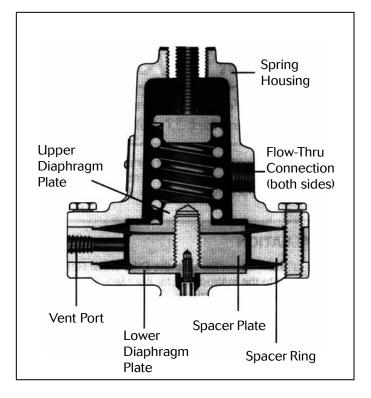
I & M Mark 53/54

Installation & Maintenance Instructions Supplement for Mark 53 and Mark 54

Warning: Jordan Valve pressure regulators must only be used, installed and repaired in accordance with these Installation & Maintenance Instructions. Observe all applicable public and company codes and regulations. In the event of leakage or other malfunction, call a qualified service person; continued operation may cause system failure or a general hazard. Before servicing any valve, disconnect, shut off, or bypass all pressurized fluid. Before disassembling a valve, be sure to release all spring tension.

Note: The Mark 53 and Mark 54 Differential Regulators have the same valve body and seating construction as the Mark 50 and Mark 60 respectively. This supplemental presents only those instructions necessary to maintain the topworks, and is to be used in conjunction with the Installation and Maintenance Instructions for the Mark 50 and Mark 60 for other maintenance procedures.





Separated Double Diaphragm

Diaphragm Replacement

- 1. REMOVE THE REGULATOR FROM THE LINE.
- 2. Release the compression of the spring by turning the adjusting screw counter-clockwise.
- 3. Remove the SPRING HOUSING bolts and the SPRING HOUSING, SPRING & SPRING SEAT.
- 4. Rotate the SPACER RING until the vent port aligns with one of the holes in the side of the spacer plate. Then bolt the spacer ring to the body with two or three bolts. Insert a metal rod through the vent port in the spacer ring and into the hole in the spacer plate. Hold securely and loosen the upper diaphragm plate with a pipe wrench.
- 5. Remove the upper diaphragm plate and the upper diaphragm. Then remove the spacer ring.
- 6. Rotate the spacer plate and diaphragm counterclockwise and remove the assembly.
- 7. Fasten the spacer plate securely in a vise and then remove the lower diaphragm plate with a pin face spanner wrench. Use extreme caution, wear gloves or tap the spanner wrench with a hammer in order to avoid cutting your hands on the diaphragm.
- 8. Replace the diaphragm in the reverse order. Apply sealant to the fluid side of the diaphragm around the center hole and the outer seating edge. The valve stroke must be adjusted. Refer to the Mark 60 or Mark 50 I & M for the proper instructions under the heading: DIAPHRAGM REPLACEMENT B. ASSEMBLY AND STROKE ADJUSTMENT.

3170 Wasson Road · Cincinnati, OH 45209 USA

Phone 513-533-5600 • Fax 513-871-0105

info@richardsind.com · www.jordanvalve.com