

# SPOOL TYPE BY-PASS VALVE REPAIR KIT

## INSTRUCTIONS

- PART NO. 682078 - For Mueller® B-101™ and B-100™ Machines
- PART NO. 682079 - For H-10917 Slide Gate Valve and H-17025 Control Chamber

### REPAIR KIT PARTS LIST

- 1 - Spool and O-ring Assembly
- 1 - Retaining Ring (306991)
- 3 - O-rings (078818)
- 1 - Instruction Sheet (Form 12087)

### REMOVING EXISTING VALVE SPOOL

1. Remove retaining ring from end of spool (retain the ring for reuse).
2. Pull spool out of by-pass valve body. (Note orientation of knurled knob for reassembly.)
3. Thoroughly clean body bore and examine for scratches. (If deep scratches are evident, the by-pass valve body must also be replaced.)

### INSTALL REPAIR VALVE SPOOL

1. Remove spool and O-ring assembly from plastic tube and retain tube for reuse. Lubricate O-rings with silicone based grease.
2. Insert spool and O-ring assembly into by-pass valve body with knurled knob on the same side of body as old spool.
3. Check spool for free movement.
4. Install new retaining ring into groove on end of spool.
5. Remove O-rings from used spool and thoroughly clean spool.
6. Install three O-rings provided in kit into three 1/8" wide O-ring grooves of used spool.
7. Install used retaining ring onto used spool and store this assembly as a spare in plastic sleeve.

### MAINTENANCE

Periodically, remove and clean the sliding part of the by-pass valve:

1. Remove retaining ring from end of valve spool.
2. Pull spool out of valve body.
3. Clean spool and O-rings, removing old lubricant and any foreign material.
4. Similarly clean body bore and examine for scratches (If deep scratches are evident, the by-pass valve must be replaced).
5. Examine O-rings for damage and replace if necessary.
6. Lubricate O-rings with a silicone based grease.
7. Reassemble the spool and secure with retaining ring.

**NOTE: It is recommended that a by-pass repair kit be kept available for quick installation.**



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