



Reliable Connections™

## Spool-Type By-Pass Valve Assembly #682087

### Installation Instructions

Replacement Kit for Mueller® B-101™ and B-100™ Machines

Replacement Kit Parts List

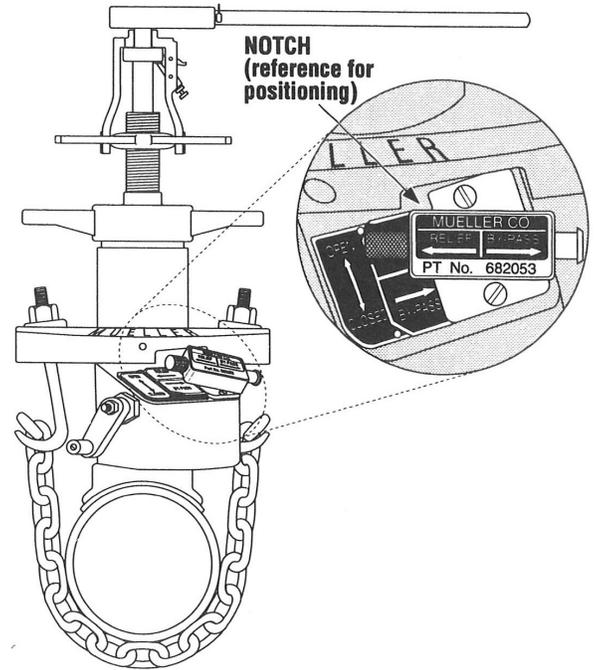
- 2 - 1/4-20x3/4" Brass Fillister Head Screws (501373)
- 1 - By-pass Valve Assembly with Gasket (682053)
- 1 - Nameplate "Relief/Bypass" (311815)
- 1 - Instruction Sheet (Form 12084)

### Installation

1. Remove existing by-pass valve from machine.
  - a. Release all pressure from machine.
  - b. Remove two mounting screws from existing by-pass valve.
  - c. Remove existing valve.
  - d. Carefully clean away remnants of gasket from mounting surface of machine, taking care not to score surface.
2. Thoroughly clean the existing nameplate which is riveted to the machine, using a non-oily solvent.
3. Remove protective film from adhesive backing of supplied 311815 nameplate. Position this new nameplate with the "Relief" arrow pointing to the left, over the "Relieve Bypass" area of the existing nameplate - press firmly in place.
4. Position replacement by-pass valve with its gasket onto the mounting surface of the machine, with notch in the valve flange to the upper left. (See illustration.)
5. Install and tighten the 1/4-20x3/4" mounting screws to 55-60 inch pounds.

### By-Pass Valve Operation

- Relief: Pull knurled knob away from the valve body in one quick motion.
- By-pass: Push the knurled knob in toward the valve body in one quick motion.



### Maintenance

Periodically, remove and clean the by-pass valve spool:

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.

Phone: (800) 423-1323

By deviating from the above listed instructions, you will void any product warranty and release Mueller Co. and its affiliated entities from any and all liability associated with the installation or use of this product. For details on the product's warranty, terms, and conditions, please visit [www.muellercompany.com](http://www.muellercompany.com).

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