

Installation Instructions

By-Pass Valve Replacement Kit for Mueller®

B-101 Machine for Gas Service

Replacement Kit Parts List

2-1/4-20 x 7/8" Brass Fillister Head Screws (312148)

1-By-Pass Valve Assembly with Gasket (682161)

1-Safety Bracket with Gasket (682162)

1-Instruction Sheet (Form 12349)

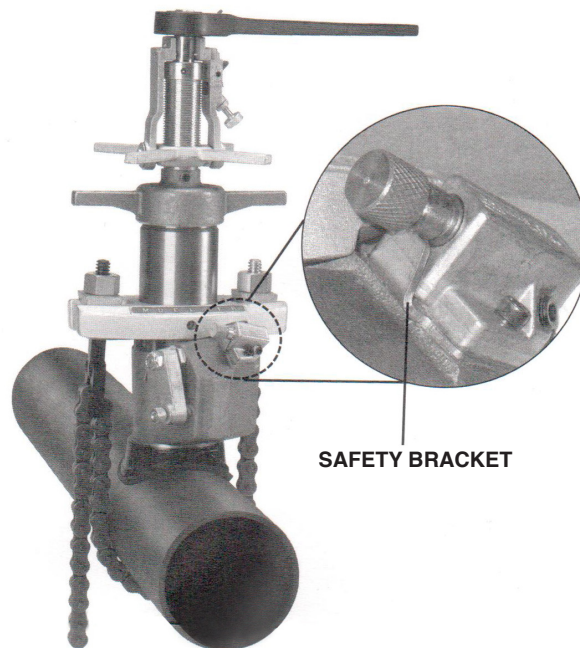
Installation

1. To 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 onto the mounting surface of the machine. The short leg of the "L" shaped bracket should be positioned to the left side of the mounting pad (facing the machine Gate Arm).
2. Position the Safety Bracket with its gasket onto the mounting surface of the machine. The short leg of the "L" shaped bracket should be positioned to the left side of the mounting pad (facing the machine Gate Arm).
3. With the By-Pass Valve spool pulled in the full relief position, place the By-Pass Valve with its Gasket onto the upper surface of the Safety Bracket, with the notch in the valve flange to the upper left.
4. Install and tighten the 1/4-20 x 7/8" mounting screws to 55-60 inch pounds.

By-Pass Valve Operation

Relief: With the flat portion of the knurled knob facing the Safety Bracket, pull the knob away from the valve body in one quick motion.

By-Pass: With the flat portion of the knurled knob facing the Safety Bracket, push the knob in toward the valve body in one quick motion. After the spool is fully pushed in, turn the knob 180 degrees to position the flat area away from the Safety Bracket. This "locks" the spool in place to prevent accidental releasing of gas through the relief port of the valve.



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.
5. Examine O-rings for damage and replace if necessary.
6. Lubricant 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 - part no. 682561

Phone: (800) 798-3131

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.muellergas.com.

© 2016 Mueller Co., LLC. All rights reserved.

Form 12349 06/16