



INSTALLATION, MAINTENANCE AND OPERATING INSTRUCTIONS

RuB Inc.
an ISO 9001 Company

Approved by



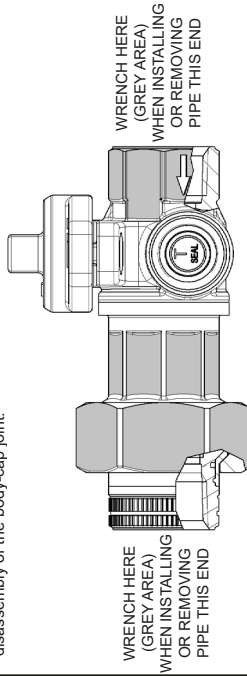
IMPORTANT: read entire document carefully before installation or servicing and save it for future reference

RuB SurePass By-Passing Gas Meter Valves

RuB SurePass valves are specially designed for gas meter sets, and include a by-passing feature to permit gas meter or regulator replacement without interrupting gas flow to the customer premises. For full by-passing function two SurePass valves are used, one between the riser and the regulator, (called "the riser valve") and the other downstream of the meter (called "the customer valve"). During meter or regulator changes these two valves are joined by a flexible bypass hose and regulator assembly. These are available from **RuB Inc.** in a bypass kit which includes also the quick disconnect fittings which fit into the SurePass valve bypass ports.

INSTALLATION

With any 2-piece ball valve, when joining the valve to pipe the valve should be wrenches from the flats at the end being worked (holding the opposite end of the valve will put the valve body in torsion and may damage the body/cap joint). Tighten the joint to hand tight plus 1.5 - 2.5 turns. Avoid over-tightening. Likewise, when removing piping from the valve, hold the valve from the end being worked. Holding the valve from the opposite end may cause unintentional disassembly of the body-cap joint.



MAINTENANCE SurePass valves are lubricated for life at the factory. Field maintenance is not required.

DISPOSAL All packaging materials and, when replaced, the valve itself, must be disposed of in compliance with local regulations.

OPERATING INSTRUCTIONS for meter or regulator change with by-passing

1. From both valves remove the red tamper proof seals and, using a 3/8" Allen wrench, remove both plugs.
2. Install quick disconnect 1/2" nipples, both in riser and in customer valve.
3. Connect by-pass hose to riser valve (do not connect hose to customer valve yet).
4. Turn riser valve approximately 45° clockwise. Gas is now passing through both meter and bypass hose.
5. When air is purged from hose, connect hose to customer valve.
6. Turn customer valve full clockwise.
7. Turn riser valve full clockwise. Gas is now bypassing meter.

Caution – Steps 4 ~ 7 must be followed in correct order to avoid interruption of service.

8. Exchange meter and/or regulator. Leave swivel nuts on new meter loosely connected.
9. Turn riser valve approximately 45° counter-clockwise.
Gas is now flowing through bypass, and also purging air from regulator and meter.
10. When regulator and meter have been purged of air, tighten both swivel nuts.
11. Turn customer valve full counter-clockwise.
12. Turn riser valve full counter-clockwise.

As before, steps 9 – 12 must be performed in correct order.

13. Remove bypass hose.
14. Remove quick disconnect nipples and install new O-Rings on the plugs and new red tamper proof seals on both valves.

NOTE This product has been inspected according to **RuB Inc.** quality procedures. If you ascertain that this valve contains a defect in material and/or workmanship, please return it to **RuB Inc.** with a copy of the original box label and the details of your claim. Claims must be made in writing and submitted within 8 days from delivery. In case of improper application or installation, no warranty is made.

WARNING: This product can expose you to chemicals including lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov



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