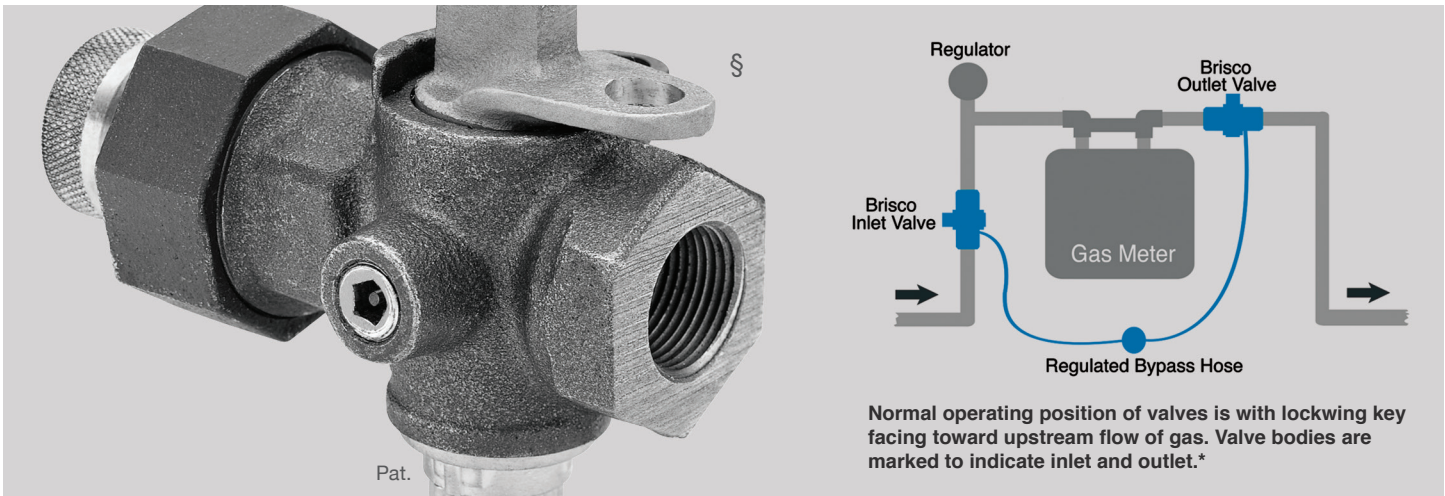


Mueller® Brisco™ Bypass Meter Valve

3/4" & 1" - Insulated & 1" - Non-insulated



Service Meters without Interruption

The Brisco Bypass Meter Valve is based on our proven Luboseal® design and can be relubricated while in service. It enables gas technicians to perform a number of maintenance operations without interrupting gas flow to the customer. It eliminates the need for scheduled service calls or re-lights, and offers many cost saving advantages in the installation and service of gas meter sets.

With Brisco valves installed on the inlet and outlet sides of the meter, the technician can exchange or pressure test the meter set using just a regulated bypass hose with bleeder valve and pressure gauge connected through a special side port. There is no need for an external gas supply, and there is never any doubt about having sufficient gas to complete a job. Exchanges and pressure tests can be performed on both "low pressure" and "elevated pressure" systems. The access plug in the side port has a safety feature to prevent unauthorized removal or tampering.

By using two Brisco bypass valves on new installations, service can be initiated on the homeowner's side of the meter. Gas can be purged from the meter set via the outlet

valve, which is then locked in the closed position. When the home is ready for gas activation, the valve can be opened, allowing gas to flow to appliances and eliminating the need for a service call.

When a single Brisco valve is installed on the inlet side of the meter, the technician can perform service line and main pressure verifications without taking the meter out of service. Traditional means of exchanging meters can be used in conjunction with a single Brisco valve, providing a reliable source of gas without the use of a tank or other external supply source.

Another alternative is to install a single Brisco valve on the outlet side of the meter, with a regular meter valve on the inlet side. In this installation, the Brisco valve allows gas to be supplied from a portable tank or other external gas supply while both valves are used to isolate the meter.

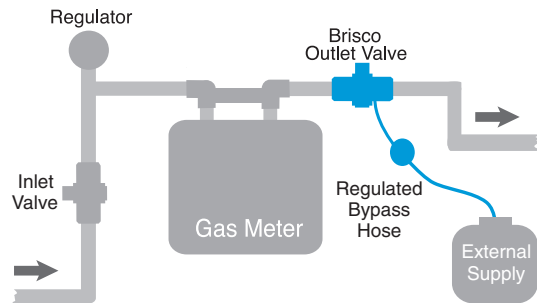
For more information on this and other Mueller Gas Distribution Products, contact your local Mueller sales representative or the Mueller Customer Service Center at 1-800-798-3131.

Easy Installation & Operation

1. With both valves in full open position, remove tamper-resistant bypass plugs in both valves using Brisco hex wrench.
2. Connect a regulated flexible bypass line to riser valve and secure threaded connection.
3. Operate riser valve by moving lockwing key to 8 o'clock position* to allow flow into bypass line while maintaining flow to meter set.
4. Purge air from bypass line, connect hose to downstream (homeowner side) valve and secure threaded connection.
5. Once bypass line is secure, operate downstream valve by moving lockwing 1/4 turn, allowing bypass port to become operational.
6. At this point, the only flow entering downstream valve is via bypass port. Valve key is designed to prevent backflow into meter set; gas flow through meter set has been stopped at downstream valve.
7. Turn riser valve lockwing key to 9 o'clock position,* allowing valve to operate in full bypass mode. Positioning ribs cast in valve body indicate full bypass and prevent turning key out of proper position.
8. Regulator, meter and associated malleable components may be removed at this point. Both valves must remain in place in a fixed position.
9. Reinstall meter set and turn riser lockwing key back to 8 o'clock position,* allowing gas to flow into meter set and bypass line. Make sure all air is purged from meter set. Tighten all connections and check for leaks.
10. Turn downstream lockwing key to align with upstream gas flow direction, allowing flow through meter set and valve. Bypass port becomes non-operational at this point.
11. Turn riser valve lockwing key to upstream direction. Bypass port becomes non-operational.
12. Carefully remove regulated temporary bypass line, allowing line to depressurize as connections are unthreaded.
13. Install tamper-proof plugs into both valves using the hex head wrench, and tighten both securely.

***NOTE:** Instructions provided here for positioning of valve key (e.g.: 8 o'clock position, etc.) are based upon valve being installed with axis of flow in a vertical direction and with outlet of valve pointing up. Valve can, however, be installed in any position. Utilities should be aware of this when instructing personnel in use of Brisco valves.

Alternate methods: With a Brisco valve on inlet side only and a tee and plug on outlet side, install regulated bypass hose and a Grunsky bag over the tee then remove hose and bag. Turn the inlet valve to 8 o'clock position.* Bleed air from bag. Remove plug from tee inside the bag and insert Grunsky probe. Turn inlet valve to 9 o'clock position.* All gas flow is now bypassing meter. To restore service, turn Brisco valve to 8 o'clock position.* Use bleeder valve on bag to bleed air from meter. Remove probe and replace plug. Return to fully open 6 o'clock position,* then remove hose and bag.



With a Brisco valve on outlet side, connect external gas supply through regulated bypass hose connected loosely to outlet valve and purge. Tighten hose and open Brisco valve 1/4 turn to start flow from external source. Turn inlet valve to off position to isolate meter. All gas flow is now supplied by external source. To restore service, turn inlet valve on and purge gas from meter set. Tighten all connections and turn Brisco valve so key is aligned with upstream gas flow direction. Bypass port becomes non-operational. Carefully bleed gas from hose and remove from valve.

Once service is restored, install tamper-proof plug into bypass port of Brisco valve, and check for leaks.



Gas Division
500 W. Eldorado St.
Decatur, Illinois 62522
P: 800-798-3131 F: 217-425-7524
www.muellergas.com
moreinfo@muellercompany.com