



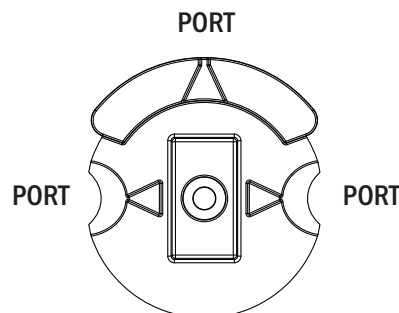
# 6480 Industrial Bypass Meter Bar

## Valve Rating 25 PSIG

**NOTE: These valves are designed for use with natural, manufactured or LP gas only.**

1. Read instructions and reference pressure rating on integral valves before installation or maintenance of meter bar.
2. Inspect valves for foreign material. Remove any foreign material.
3. Always apply a quality grade pipe thread sealant to the pipe before installation - do not use teflon tape. Excess pipe sealant contacting the ball surface may cause the valve to leak.
4. Always wrench nearest to connection point. Never insert a tool into the port area of the valves to thread bar onto the pipe. Incorrect tightening or overtightening of the bar on installation can cause bar failure.
5. Installation torques should be reduced when using pipe heavier than schedule 40.
6. Reference the bypass procedure shown below and on reverse side.
7. Lock the valves to prevent unwanted operation or access. Valves can be locked in "NORMAL FLOW" (through the meter) or in "BYPASS MODE".
8. Arrows on top of the valve caps indicate (location) of the 3 ports in the valves.
9. The bypass meter bars are designed to provide uninterrupted gas service to a service during gas meter maintenance. The ability to maintain gas flow to the service comes from the valves' oversized ports, which allow for a minimum-flow condition during valve operation.

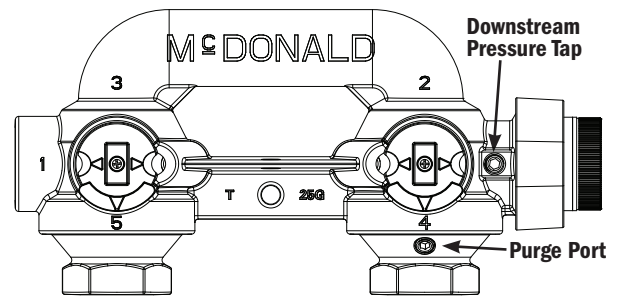
### INTEGRAL VALVE FEATURES



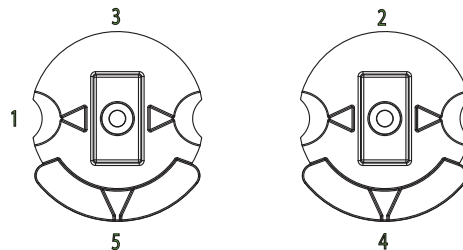
## BYPASS PROCEDURE

**NOTE:** Failure to follow this procedure will result in interrupted gas service and loss of pilot lights.

**NOTE:** It is recommended that a manometer be installed at the downstream pressure tap prior to operating the bypass. The manometer will monitor the downstream pressure. In the event the pressure drops below your stated system requirements, an improper sequence may have occurred. The valves should be returned to normal operation immediately to restore flow of gas. Once pressure is restored, the bypass procedure can then be started again. If the pressure drops below your stated system requirements at any time, pilots need to be checked and possibly relit.



1. Perform bypass procedure only at regulated pressure.
2. Follow all applicable codes and standards.
3. Normal flow through the meter = inlet valve at position 5, outlet valve at position 4 (both arrows toward meter).



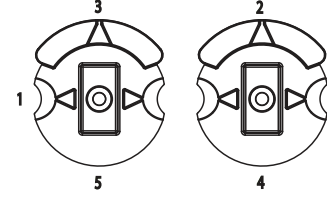
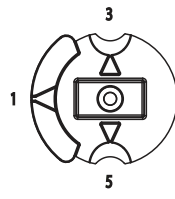
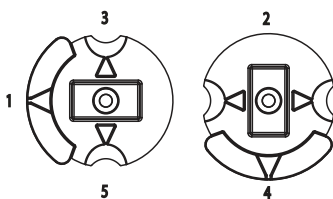
**Normal Operating Flow Mode**

4. To move valve to bypass mode, perform the following stages:

i) Turn inlet valve 90° to Position 1

ii) Turn outlet valve 180° to Position 2

iii) Turn inlet valve 90° to Position 3



**Bypass Flow Mode**

5. Bypass mode = inlet valve at Position 3, outlet valve at Position 2. (Both arrows toward bypass).

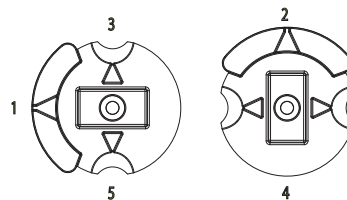
6. Perform required maintenance to the meter, then follow these steps to return to normal flow mode.

i) Fully assemble meter to the bar.

ii) Remove purge port plug to allow gas to flow to atmosphere (reference figure above for purge port location).

iii) Slowly turn inlet valve to Position 1.

iv) Purge meter until the smallest increment dial makes two full revolutions. **DO NOT PURGE IN CONFINED SPACE.**



**Purge Mode**

v) Replace purge port once meter is purged.

Turn outlet valve 180° to Position 4.

vi) Turn inlet valve 90° to Position 5.

Bypass procedure complete

