**Natural Gas**

### 6480 By-Pass Procedure

**Normal Operating Flow Mode**

Inlet valve at position 3, outlet valve at position 4 (both arrows toward meters).

**Bypass Flow Mode**

**Step 1.** Turn inlet valve 90º clockwise to Position 1.

**Step 2.** Turn outlet valve 180º counterclockwise to Position 2.

**Step 3.** Turn inlet valve clockwise 90º to Position 3.

**Meter Maintenance**

Perform required maintenance to the meter, when the meter change out or meter maintenance has been completed, purge the air out of the new meter before taking the meter bar out of bypass mode.

**Purge Mode**

**Step 4.**
1. Fully assemble meter to the bar.
2. Remove purge port plug to allow gas to flow to atmosphere (reference figure above for purge port location).
4. Purge meter until the smallest increment dial makes two full revolutions.
5. Replace purge port plug once meter is purged. **DO NOT PURGE IN CONFINED SPACE.**

**Back To Normal Operation Flow Mode**

**Step 5.** Turn outlet valve 180º clockwise to Position 1.

**Step 6.** Turn inlet valve 90º counterclockwise to Position 6.

**SHUT OFF POSITION**

To stop the flow of Gas to meter and structure, turn valves to Position 3 & 4.

**WARNING:** This position will shut-off the flow of gas and require shut-off procedure and pilots re-lit.
**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. 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

![Integral Valve Features Diagram]