Recommended Piping:

Isolation Valves upstream and downstream of the meter are recommended. A by-pass will facilitate maintenance or calibration. A “Y” strainer can be installed upstream of the meter run for added protection. SZ and Q Series meters can be installed in Vertical or Horizontal piping.

A minimum of 5 Pipe Diameters UPSTREAM & 3 Pipe Diameters DOWNSTREAM of straight, unobstructed pipe of the same diameter as the meter is required for accurate measurement*

*For example: If the meter is a 3” meter, it needs 15” of straight 3” pipe Upstream and 9” of straight 3” pipe Downstream.

Start Up:

Pressurize and Depressurize SLOWLY

To prevent over-speeding, the downstream valve should be closed when pressurizing the meter.

When the meter is fully pressurized, SLOWLY open the downstream valve.

Maintenance:

The meters have permanently lubricated bearings and require no maintenance if the gas is clean and dry and the meters are operated within their rated capacities.

Pulse Output:

SZ Series have two connectors on the access that allows access to the E1 Pulser – low frequency reed switch and the E200 Pulser High Frequency Proximity sensor – see attached table for details

The Q Series Meters are equipped with 2 separate form A Reed switches. The switches are enclosed in a snap in enclosure that fits on the index. A magnet embedded in the totalizer passes the switches, causing a closure of the switch and creating a pulse.
**SZ Series Pulse Output**

**Pulser E1**
- Low Frequency E1 Reed Contact
- Max Voltage: 24 VDC
- Max Current: 50 mA
- Max Capacity: 0.25 Watts

**Pulser E200**
- High Frequency E200 Slot Sensor
- Standard Voltage: Un = 8Vdc
- Current consumption:
  - Active Surface Open:  I ≥ 3 mA
  - Active Surface Closed:  I ≤ 1 mA

**SZ Pulse Weights**

<table>
<thead>
<tr>
<th></th>
<th>SZ-1</th>
<th>SZ-2</th>
<th>SZ-40</th>
<th>SZ-65</th>
<th>SZ-100</th>
<th>SZ-160</th>
<th>SZ-250</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1 Low Frequency Cubic Ft/Pulse</td>
<td>1</td>
<td>1</td>
<td>10</td>
<td>10</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>E200 High Frequency Pulses/Cuft</td>
<td>500</td>
<td>500</td>
<td>25</td>
<td>25</td>
<td>2.5</td>
<td>2.5</td>
<td>2.5</td>
</tr>
</tbody>
</table>

**Q Series Pulse Output**

1 Pulse = 100 ACF (Actual Cubic Feet)
- Max Voltage: 24 VDC
- Max Current: 50 mA
- Max Capacity: 0.25 Watts

**Sales & Service:**
- Follin Flo-Controls
- Phone: 617-290-2134 / 203-845-0593
- www.FollinFlo-Controls.com