**SPECIFICATIONS:**
- Pilot Operated poppet valve with Manual Override.
- Two way, normally closed, actuate to open.
- Maximum pressure 5,000 PSI, Ports 1 and 2.
- See “SHIFT FORCE NOTES” regarding operating force required to open valve.
- Full Flow is achieved at .06” Stroke. Full Flow is at Prox., 0.16” Stroke.
- Do not travel to or past full stroke with positive force.
- Use 1” wrench to install valve.
- Torque to 20 to 30 foot pounds.
- Use lubricant on external oil seals and mounting threads.
- Fluid temperature -45°F (-42.7°C) to 200°F (93.3°C).

**STANDARD OPTIONS**
- T Option 10-32 vent ports at Key 7 (2 Places)
- Seal (Key 4) is heat treated Stainless Steel.
- Optional seal and construction materials available.

**SHIFT FORCE NOTES:**
- 10 to 15 Pounds of Force is required to shift the valve poppet with zero pressure on ports 1 and 2.
- Any pressure on port 1 will increase Force requirement by .030 X PSI at No. 1 Port.
- Any pressure on port 2 will increase Force requirement by .003 X PSI at No. 2 Port.
- For total force requirement, add all 3 results.
- Using port 2 as pressure inlet may reduce the force requirement to shift valve.

**PRESSURE DROP CHART**

<table>
<thead>
<tr>
<th>Pressure (PSI)</th>
<th>Flow (GPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>2.1/2</td>
</tr>
<tr>
<td>100</td>
<td>2</td>
</tr>
<tr>
<td>50</td>
<td>1</td>
</tr>
</tbody>
</table>

**Cavity & Housing**

For 82H#227040MO#1 Valve:
- Cavity Drawing: 1200630 Spec. Sheet
- Line Mount Housings: 120672 Spec. sheet
- Panel Mount Housings: 1202981 and 1203290 Spec. Sheets

For 84H#227040MO#1 Valve:
- Cavity Drawing: 1200621 Spec. Sheet
- Line Mount Housings: 120674 and 1201455 Spec. Sheets
- Panel Mount Housings: 1202982 and 1203290 Spec. Sheets