Model 6290 Series
Excess Flow Control Valve

Description
The Model 6290 Series Excess Flow Control Valve is a sensitive excess flow shut-off valve designed to operate with a wide range of inlet pressures. The Excess Flow Control Valve can be installed in any location without affecting performance. The capability of operating up to 3500 psig allows it to be used either between a high pressure source and a pressure regulator, or in the low pressure delivery line to a process. In both applications, this Control Valve will automatically shut off the delivery of gas if the flow exceeds the preset limit.

Operation
The shutoff mechanism of the Model 6290 Series Excess Flow Control Valve is incorporated within a stainless steel high purity valve. The actuating knob has been designed to manually operate the valve and clearly indicate the relative operating condition as either “Open (Reset)” or “Auto (Shut off).”

Specifications
Supply Pressure: 10 - 3500 psig
Differential Pressure: Models A, C: 5 psig
Model F: 12 psig
Temperature: -10°F to 150°F (-23°C to 66°C)
Leak Rate (He): 2 x 10^-10 scc/sec
Surface Finish (Ra): 15 - 20 micro-inch
Shipping Weight: 2 lbs

Materials of Construction
Wetted:
- Body: 316L stainless steel
- Outboard Seal: Metal to metal
- Seat: PCTFE
- Diaphragm: Elgiloy or equivalent
- Spring: Hastelloy C-22
- Poppet: 316L stainless steel

Non-Wetted:
- Knob: Anodized aluminum (red)
- Stem: 416 stainless steel (lubricated)
- Cap: 316L stainless steel

Ordering Information
<table>
<thead>
<tr>
<th>Model No.</th>
<th>1000 psig</th>
<th>30 psig</th>
<th>Inlet/Outlet Connections</th>
</tr>
</thead>
<tbody>
<tr>
<td>6295-A</td>
<td>5 SLM</td>
<td>0.5 SLM</td>
<td>1/4” FPT</td>
</tr>
<tr>
<td>6295-C</td>
<td>20 SLM</td>
<td>4 SLM</td>
<td>1/4” FPT</td>
</tr>
<tr>
<td>6295-F</td>
<td>100 SLM</td>
<td>25 SLM</td>
<td>1/4” FPT</td>
</tr>
</tbody>
</table>

www.mathesontrigas.com