Kelly Pneumatics, offers a High Flow Miniature Proportional Valve utilizing our unique proportional valve design. This non-spool valve architecture employs one moving part, ensuring virtually friction-less proportional control and longevity tested over 100 million cycles. The simplicity of the proportional valve design also ensures relative ease when implementing maintenance or cleaning. We also offer alternative versions that are resistant to both high and low temperatures, therefore performing consistently in many different environments.

### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valve Function</td>
<td>2-Way, Normally Closed</td>
</tr>
<tr>
<td>Electrical Connection</td>
<td>Flying Wire Leads</td>
</tr>
<tr>
<td>Working Pressure</td>
<td>-14.7 to 100 psig (6.8 bar) (standard) 500 (psig) (custom)</td>
</tr>
<tr>
<td>Flow Range</td>
<td>0-130 liters per minute of air flow</td>
</tr>
<tr>
<td>Orifice Size</td>
<td>.040, .060, .090, .125, or .156 inches</td>
</tr>
<tr>
<td>Voltage Range</td>
<td>0-10 or 0-20 VDC</td>
</tr>
<tr>
<td>Port Types</td>
<td>1/8&quot; NPT (Base Mount) or Manifold Mount</td>
</tr>
<tr>
<td>Seal Material</td>
<td>Buna-N, Viton, or EPDM</td>
</tr>
<tr>
<td>Operating Temp.</td>
<td>-40° to 200°F (-40° to 93°C)</td>
</tr>
<tr>
<td>Maximum Hysteresis</td>
<td>2-10% of full current (varies with max flow)</td>
</tr>
<tr>
<td>Leak Rate</td>
<td>Bubble Tight Seal</td>
</tr>
<tr>
<td>Weight</td>
<td>0.25 lbs</td>
</tr>
<tr>
<td>Filtration</td>
<td>40 Micron Recommended</td>
</tr>
<tr>
<td>Power</td>
<td>4.2 watts (max)</td>
</tr>
<tr>
<td>Wetted Materials</td>
<td>Cold rolled stainless steel w/ electroless</td>
</tr>
<tr>
<td></td>
<td>nickel plating, brass and 304 stainless steel</td>
</tr>
</tbody>
</table>

Kelly Pneumatics, Inc.
Pressure and Flow Control Solutions

www.KellyPneumatics.com
(800) 704-7552
High Flow Miniature Proportional Valve

Dimensions

Base Mount Version

Manifold Mount Version

Part Numbering System

KPIH - 
      
Port Type
VP - # 1/8 NPT Female
VPM - Manifold Mount

Voltage
10 - 0 to 10 vdc
20 - 0 to 20 vdc

Minimum Inlet Pressure
A0 - 100 psig

Max Flow Rate
25 - 25 lpm
60 - 60 lpm
90 - 25 lpm
130 - 130 lpm
25 - 15 lpm
40 - 35 lpm
60 - 60 lpm
90 - 80 lpm
125 - 90 lpm
25 - 5 lpm
40 - 18 lpm
60 - 28 lpm
90 - 40 lpm
125 - 50 lpm
156 - 63 lpm

Seal Type
Blank - Buna-N
E - EPDM
V - Viton

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