Quick Pressure Relief Pilot Valve

Model PC-3Q-M

This pilot integrates all principal functions of a 2-Way control circuit in a single assembly. It is a direct acting pilots valve, actuated by a pressure responsive diaphragm, which seeks to reach equilibrium between hydraulic and set spring forces. The pilot opens at upstream pressure rise above set point. An integral restriction acts as an upstream flow restrictor smoothing valve closing and simplifying the control circuit.

Features
- Internal restriction
- Direct pressure gauge installation

Application
Pressure relief valve quick type sizes 1½-4"

Technical data
Pressure Rating: 16 bar; 232 psi
Working Temperature: Water up to 80°C; 180°F
Flow Factor: Kv 0.65 m³/h @ 1bar ΔP; Cv 0.75GPM @ 1psi ΔP
Standard Materials:
Body & cover: Brass
Elastomers: NBR
Internals: Stainless Steel & Brass
Spring: Galvanized Steel.
Ports: "¼" NPT

Adjustment Range

<table>
<thead>
<tr>
<th>Spring</th>
<th>Pressure</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>G-Blue</td>
<td>1-12</td>
<td>15-175</td>
<td>Standard</td>
</tr>
<tr>
<td>N-Natural</td>
<td>0.8-6.5</td>
<td>11-95</td>
<td>Optional</td>
</tr>
</tbody>
</table>

Connections
1 - Upstream or pressure gauge
2 - Upstream or pressure gauge
3 - Valve control chamber (when 4 is plugged)
4 - Valve control chamber (when 3 is plugged)
0 - Downstream

Weight: 1.0 Kg; 2.2 lbs.