Special Products - RVX18-3P

Tamper proof family

Pre-set Pressure Regulator

- Miniature In-Line Relieving Pre-set Pressure Regulator
  - Pre-set, Non-adjustable
  - In-Line Union
  - Compact Design, Easy to Install

The down stream pressure is permanently pre-set.

⇒ Easy to install for 5/32", 1/4", 3/8", Ø4mm, Ø6mm, Ø8mm, Ø10mm O.D. tubing and M5 female thread ports.

- 35% less volume compared with the standard regulator.
The secondary pressure remains the same even when the primary pressure changes

Ex.) In case of 0.2Mpa (29psi) model
Secondary pressure to primary pressures (actual measurements)

Reverse flow mechanism
The regulator can be installed between solenoid valves and cylinders or actuators for immediate exhausting of secondary air pressure.

Model Designation (Example)

 Specification

 Fluid | Air
 Operating pressure range | Pre-set pressure ~ 145psi (1.0MPa)
 Operating temp. range | 32 ~ 140°F (0~ 60°C) (no freezing)
 Applicable tubing O.D. and thread port | 5/32", 1/4", 5/16" (ø8mm), 3/8", ø4mm, ø6mm, ø8mm, ø10mm, M5 female thread

 Port size IN/OUT

<table>
<thead>
<tr>
<th>Code</th>
<th>1/4</th>
<th>3/8</th>
<th>5/32</th>
<th>M5</th>
<th>4</th>
<th>6</th>
<th>8</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Port size</td>
<td>1/4&quot; O.D.</td>
<td>3/8&quot; O.D.</td>
<td>5/32&quot; O.D.</td>
<td>M5 female thread</td>
<td>4mm O.D.</td>
<td>6mm O.D.</td>
<td>8mm O.D.</td>
<td>10mm O.D.</td>
</tr>
</tbody>
</table>

- 8mm O.D. port can be used as 5/16" O.D. port

 Pre-setting Pressure

<table>
<thead>
<tr>
<th>Code/Pressure in MPa</th>
<th>0.05</th>
<th>0.08</th>
<th>0.1</th>
<th>0.15</th>
<th>0.2</th>
<th>0.25</th>
<th>0.3</th>
<th>0.35</th>
<th>0.4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Converted to psi</td>
<td>7.25</td>
<td>11.6 psi</td>
<td>14.5 psi</td>
<td>21.8 psi</td>
<td>29 psi</td>
<td>36.3 psi</td>
<td>43.5 psi</td>
<td>50.8 psi</td>
<td>58 psi</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code/Pressure in MPa</th>
<th>0.45</th>
<th>0.5</th>
<th>0.55</th>
<th>0.6</th>
<th>0.65</th>
<th>0.7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Converted to psi</td>
<td>65.3 psi</td>
<td>72.5 psi</td>
<td>79.8 psi</td>
<td>87 psi</td>
<td>94.3 psi</td>
<td>101.5 psi</td>
</tr>
</tbody>
</table>

- Contact us for pressure setting other than the above settings.