Regulator Numbering System

<table>
<thead>
<tr>
<th>Unit Function</th>
<th>Family</th>
<th>Thread Type</th>
<th>Pipe Size</th>
<th>Options</th>
<th>Options</th>
<th>Options</th>
<th>Preset / Pressure Limited</th>
</tr>
</thead>
<tbody>
<tr>
<td>R Regulator</td>
<td>1</td>
<td>6 - 0</td>
<td>3 - 0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

### Family
- **03 Miniature**
- **16 Compact**
- **26 Standard**
- **30 Large**
- **40 Extra Large**

### Thread Type
- **0 NPT**
- **C BSPP**

### Options (R03 Only)
- **Standard, 2 to 125 PSI, Relieving**
- **G** Pressure Gauge
- **J** Preset, Adjustable
- **K** Preset, Non-Adj. / Epoxy
- **L** 1 to 60 PSI, Relieving
- **M** Panel Nut Included
- **N** 2 to 125 PSI, Non-Relieving
- **P** 1 to 30 PSI, Relieving
- **Q** 1 to 15 PSI, Relieving
- **R** Pressure Limiter
- **S** 1 to 60 PSI, Non-Relieving
- **T** 1 to 30 PSI, Non-Relieving
- **U** 1 to 15 PSI, Non-Relieving

### Options
- **0 None**
- **G** Pressure Gauge
- **H** High Pressure Spring
- **L** Low Pressure Spring
- **N** Non-Relieving Diaphragm
- **R** Pressure Limiter

### Options (R03 Only)
- **Blank No Preset or Limiter Option**
- **XXX XXX PSIG**
  
  (Example: 065 = 65 PSIG)

Note: Pressure Range 10 to 90 PSIG in 5 PSIG Increments Options

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* Inlet pressure is 100 PSIG.
  
  For other pressures, consult factory.

** Not available with BSPP thread type.

† Must specify preset or limited pressure.

Spring Type by Preset / Limited Pressure:
- For Preset / Limited Pressure 10 to 25 use 30 PSI Spring
- For Preset / Limited Pressure 26 to 50 use 60 PSI Spring
- For Preset / Limited Pressure 51 to 90 use 125 PSI Spring

If more than one option is desired, arrange them in alphabetical order in positions 6, 7, and 8.

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1 Not available on R30.
Regulator R16

Features
- Non-Rising Adjustment Knob with Friction Lock Knob
- Standard with Two Full Flow 1/4" NPT / BSPT-Rc Gauge Ports
- Panel Mount Nut
- High Flow Capacity
- Balanced Valve Design for Excellent Regulation Characteristics

Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>1/4</th>
<th>3/8</th>
<th>1/2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Capacity*</td>
<td>71.5 SCFM (33.7 dm³/s)</td>
<td>80.5 SCFM (38.0 dm³/s)</td>
<td>88.0 SCFM (41.5 dm³/s)</td>
</tr>
<tr>
<td>Adjusting Range Pressure</td>
<td>0 to 60 PSIG (0 to 4.1 bar)</td>
<td>0 to 125 PSIG (0 to 8.6 bar)</td>
<td>0 to 250 PSIG (0 to 17.2 bar)</td>
</tr>
<tr>
<td>Maximum Supply Pressure</td>
<td>300 PSIG (20.7 bar)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>32° to 150°F (0° to 65.5°C)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Port Size</td>
<td>NPT / BSPP-G 1/4, 3/8, 1/2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gauge Port (2 ea.)</td>
<td>NPT / BSPT-Rc 1/4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight (lb. (kg))</td>
<td>1.7 (0.77)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Inlet pressure 100 PSIG (6.9 bar). Secondary pressure 90 PSIG (6.2 bar).

Materials of Construction

<table>
<thead>
<tr>
<th>Body</th>
<th>Zinc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonnet</td>
<td>PBT</td>
</tr>
<tr>
<td>Diaphragm</td>
<td>Nitrile / Zinc</td>
</tr>
<tr>
<td>Panel Nut</td>
<td>Acetal</td>
</tr>
<tr>
<td>Seals</td>
<td>Nitrile</td>
</tr>
<tr>
<td>Springs</td>
<td>Steel</td>
</tr>
<tr>
<td>Valve Assembly</td>
<td>Brass / Nitrile / Acetal</td>
</tr>
</tbody>
</table>

Features

- Non-Rising Adjustment Knob with Friction Lock Knob
- Standard with Two Full Flow 1/4" NPT / BSPT-Rc Gauge Ports
- Panel Mount Nut
- High Flow Capacity
- Balanced Valve Design for Excellent Regulation Characteristics

Dimensions

<table>
<thead>
<tr>
<th>Models</th>
<th>Inches (mm)</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Unit</td>
<td></td>
<td>2.99</td>
<td>2.59</td>
<td>3.99</td>
<td>1.20</td>
<td>5.19</td>
<td>1.29</td>
<td>—</td>
<td>1.02</td>
</tr>
<tr>
<td>R16-XX-000</td>
<td>76</td>
<td>(66)</td>
<td>(101.3)</td>
<td>(30.5)</td>
<td>(132)</td>
<td>(33)</td>
<td>—</td>
<td>(25.9)</td>
<td></td>
</tr>
<tr>
<td>With Gauge</td>
<td></td>
<td>2.99</td>
<td>2.59</td>
<td>3.99</td>
<td>1.20</td>
<td>5.19</td>
<td>1.29</td>
<td>2.80</td>
<td>1.02</td>
</tr>
<tr>
<td>R16-XX-G00</td>
<td>76</td>
<td>(66)</td>
<td>(101.3)</td>
<td>(30.5)</td>
<td>(132)</td>
<td>(33)</td>
<td>(71)</td>
<td>(25.9)</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: 1.31" Dia. (33.3 mm) hole required for panel nut mounting.

WARNING
Product rupture can cause serious injury.
Do not connect regulator to bottled gas.
Do not exceed maximum primary pressure rating.

CAUTION:

REGULATOR PRESSURE ADJUSTMENT – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design.

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.
Replacement Kits

Adjusting Knob ......................................................... RRP-95-023
Diaphragm Assembly –
  Non-relieving ......................................................... RRP-96-216
  Self-relieving ........................................................ RRP-96-213
Spring, Regulating –
  0 to 50 PSIG (0 to 3.4 bar) ..................................... RRP-95-222
  0 to 125 PSIG (0 to 8.6 bar) ................................... RRP-95-224
  0 to 250 PSIG (0 to 17.2 bar) ................................ RRP-95-218
Valve Assembly –
  Valve, Valve Spring, Bottom Plug O-ring .............. RRP-96-215

Accessories

Gauge, Pressure –
  0 to 60 PSIG (0 to 4 bar), 2" Dial Face, 1/4 NPT, CBM ................................................. K4520N14060W
  0 to 160 PSIG (0 to 11 bar), 2" Dial Face, 1/4 NPT, CBM ................................................. K4520N14160W
  0 to 300 PSIG (0 to 20 bar), 2" Dial Face, 1/4 NPT, CBM ................................................. K4520N14300W
  0 to 160 PSIG, 1-3/4" Digital Round .................... K4517N14160D
Panel Mount Nut, Plastic ........................................ GPA-95-032
Tamper Resistant Kit, Ring Style .............................. RPA-95-006
Wall Mounting Bracket, Gauge Port Adapter, 1/4 NPT ................................................................. RRP-95-590
Wall Mounting Bracket –
  L-Type, Heavy Duty ................................................... RPA-95-090
  L-Type, Standard ......................................................... GPA-95-012
  L-Type with Plastic Panel Mount Nut .................. GPA-95-011

Ordering Information

<table>
<thead>
<tr>
<th>Model Type</th>
<th>Port Size</th>
<th>Without Gauge 5 to 125 PSIG (0.4 to 8.6 bar)</th>
<th>Without Gauge 10 to 250 PSIG (0.7 to 17.2 bar)</th>
<th>Without Gauge 3 to 60 PSIG (0.2 to 4.1 bar)</th>
<th>With Gauge 5 to 125 PSIG (0.4 to 8.6 bar)</th>
<th>With Gauge 10 to 250 PSIG (0.7 to 17.2 bar)</th>
<th>With Gauge 3 to 60 PSIG (0.2 to 4.1 bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relieving</td>
<td>1/4</td>
<td>R16-02-000</td>
<td>R16-02-H00</td>
<td>R16-02-L00</td>
<td>R16-02-G00</td>
<td>R16-02-GH0</td>
<td>R16-02-GL0</td>
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<tr>
<td></td>
<td>3/8</td>
<td>R16-03-000</td>
<td>R16-03-H00</td>
<td>R16-03-L00</td>
<td>R16-03-G00</td>
<td>R16-03-GH0</td>
<td>R16-03-GL0</td>
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<tr>
<td></td>
<td>1/2</td>
<td>R16-04-000</td>
<td>R16-04-H00</td>
<td>R16-04-L00</td>
<td>R16-04-G00</td>
<td>R16-04-GH0</td>
<td>R16-04-GL0</td>
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<tr>
<td>Non-relieving</td>
<td>1/4</td>
<td>R16-02-N00</td>
<td>R16-02-HN0</td>
<td>R16-02-LN0</td>
<td>R16-02-GN0</td>
<td>R16-02-GHN</td>
<td>R16-02-GLN</td>
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<tr>
<td></td>
<td>3/8</td>
<td>R16-03-N00</td>
<td>R16-03-HN0</td>
<td>R16-03-LN0</td>
<td>R16-03-GN0</td>
<td>R16-03-GHN</td>
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<tr>
<td></td>
<td>1/2</td>
<td>R16-04-N00</td>
<td>R16-04-HN0</td>
<td>R16-04-LN0</td>
<td>R16-04-GN0</td>
<td>R16-04-GHN</td>
<td>R16-04-GLN</td>
</tr>
</tbody>
</table>

Options - To order an option supplied with the unit model, add the appropriate coded suffix letter in the designated position of the model number.