R35 Regulator

Features
- Compact Size Allows Greater Design Flexibility
- Nearly Double the Flow Capacity of Standard Miniature Regulators; Reduces Costly Pressure Drop
- Connects to Other QUBE Units Using Just Screws and O-rings (Included)
- Integral Mounting Slots Eliminate Need for Mounting Brackets
- Piston Operated for High Flow and Low Pressure Drop
- Panel Mountable
- High Flow: 1/8” - 30 SCFM
  1/4” - 40 SCFM

Port Size | NPT | BSPP | Relieving | Relieving
---|---|---|---|---

**Without Gauge 0-125 PSIG Reduced Pressure**

| 1/8” | R35-01C | R35G01C |
| 1/4” | R35-02C | R35G02C |

**With Gauge 0-125 PSIG Reduced Pressure**

| 1/8” | R35-01CG |
| 1/4” | R35-02CG |

**Bold Items are Most Popular.**
For other models refer to ordering information below.

| SCFM = Standard Cubic Feet Per Minute at 100 PSIG Inlet, 75 PSIG No Flow Secondary Setting, and 20 PSIG Pressure Drop.

R35 Regulator Dimensions

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.59</td>
<td>1.59</td>
<td>2.98</td>
<td>1.11</td>
<td>0.80</td>
<td>1.31</td>
<td>0.58</td>
</tr>
<tr>
<td>(40.6)</td>
<td>(40.6)</td>
<td>(75.7)</td>
<td>(28.2)</td>
<td>(20.3)</td>
<td>(33.3)</td>
<td>(14.6)</td>
</tr>
</tbody>
</table>

Inches

<table>
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<tr>
<th>(mm)</th>
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</thead>
</table>
| 1.25 Dia. (32mm) hole required for panel mounting.

Ordering Information

| R | 35 | — | 02 | C | ** |

<table>
<thead>
<tr>
<th>Port Threads</th>
<th>Port Size</th>
<th>Reduced Pressure Range</th>
<th>Options</th>
<th>Engineering Change Designator</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPT</td>
<td>01 1/8”</td>
<td>A 0–25 PSIG</td>
<td>G Gauge</td>
<td></td>
</tr>
<tr>
<td>BSPP</td>
<td>02 1/4”</td>
<td>B 0–60 PSIG</td>
<td>K Non-relieving</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>C 0–125 PSIG</td>
<td>P Panel Mount Nut (Plastic)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>T Tamperproof Adjustment</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Will be entered at factory.</td>
<td></td>
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</tbody>
</table>

BOLD ITEMS ARE MOST POPULAR.
Technical Information

**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.

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**R35 Regulator Kits & Accessories**

**Cage Kits** –
A Range................................................................. CKR35A
B & C Range......................................................... CKR35BC

**Control Knob** ......................................................... R35-0545P

**Gauges** –
1-1/2" Dial Size, 1/8" Back Connection
0 to 60 PSIG (0 to 4 bar) ........................................... K4515N18060
1-1/2" Dial Size, 1/8" Back Connection
0 to 160 PSIG (0 to 11 bar) ........................................ K4515N18160

**Panel Mounting Bracket Kit (Bonnet Threads)** ........... SA161X57

**Face Mounting Bracket Kit (See Page A66)** ................. SAR35Y57

**Panel Mount Nut** –
Plastic........................................................................ R05X51-P
Aluminum................................................................. R05X51-A

**Repair Kits** –
Non-Relieving Piston, Valve Assembly ..................... RKR30K
Relieving Piston, Valve Assembly ............................ RKR30

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**Specifications**

**Gauge Ports (2)** ...................................................... 1/8 Inch

**PortThreads** ......................................................... 1/8 & 1/4 Inch

**Supply Pressure** .................................................... 300 PSIG Max. (20,4 bar)

**Temperature Rating** ........................................... 40°F to 125°F (4.4°C to 52°C)

**Weight** ................................................................. 0.82 lbs. (.37 kg) / Unit
19.8 lbs. (8.98 kg) / 24-Unit Master Pack

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**Materials of Construction**

**Adjusting Knob** .................................................... Acetal

**Body** ...................................................................... Zinc

**Bottom Plug** ........................................................ Glass-Filled Acetal

**Cage** .................................................................... Plastic

**Elastomers** ............................................................. Buna N