Air line equipment

R30M Series Manifold Regulator
8 mm and 10 mm Port Sizes

Push-in fittings in ports. No need for threaded connectors and fittings
Push to lock adjusting knob with tamper resistant accessory
Integral base mounting
Water or compressed air only

Technical data
Fluid:
Compressed air or water
Maximum pressure:
150 psig (10 bar)
Operating temperature*:
23° to 104°F (-5° to 40°C)
* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).

Gauge port:
(can be used as additional outlet port) 10 mm OD tube with 10 mm OD tube main ports: 8 mm OD tube with 8 mm OD tube main ports
Two inlet ports: 10 mm OD tube or 8 mm o/d tube
One outlet port: 10 mm OD tube with 10 mm OD tube inlet
8 mm OD tube with 8 mm OD tube inlet

Materials:
Body: Acetal
Bonnet: Acetal
Valve: Brass/nitrile
Elastomers: Nitrile
Valve seat: Acetal

Ordering Information.
Models listed include 10 mm push-in fittings, knob adjustment, relieving diaphragm, 0 to 70 psig (0 to 4.8 bar) outlet pressure adjustment range* with gauge, with porting plug.

<table>
<thead>
<tr>
<th>Port</th>
<th>Model</th>
<th>Flow† scfm (dm³/s)</th>
<th>Weight lb (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 mm</td>
<td>R30M 8DK RGG</td>
<td>17 (8)</td>
<td>0.22 (0.10)</td>
</tr>
<tr>
<td>10 mm</td>
<td>R30M ADK RGG</td>
<td>17 (8)</td>
<td>0.22 (0.10)</td>
</tr>
</tbody>
</table>

† Typical flow with 150 psig (10 bar) inlet pressure, 90 psig (6.3 bar) set pressure and a 15 psig (1 bar) droop from set.

Alternative Models

<table>
<thead>
<tr>
<th>Port Size</th>
<th>Substitute</th>
<th>Push-in Form</th>
<th>Substitute</th>
<th>Adjustment</th>
<th>Substitute</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 mm</td>
<td>B</td>
<td>Metric</td>
<td>D</td>
<td>Knob</td>
<td>K</td>
</tr>
<tr>
<td>10 mm</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ISO Symbols

- Relieving
- Non relieving

OUTLET PRESSURE ADJUSTMENT RANGES*

<table>
<thead>
<tr>
<th>Outlet Pressure Adjustment Ranges*</th>
<th>Substitute</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 70 psig (0 to 4.8 bar)</td>
<td>G</td>
</tr>
<tr>
<td>5 to 100 psig (0.3 to 7 bar)</td>
<td>K</td>
</tr>
</tbody>
</table>

* Outlet pressure can be adjusted to pressures in excess of (and less than, those specified. Do not use these units to control pressures outside of the specified range.

Documents Provided by Coast Pneumatics
R30M Series Manifold Regulator
8 mm and 10 mm Port Sizes

Dimensions in inches (mm)
Panel mounting hole diameter: 1.19" (30 mm)
Maximum panel thickness: 0.25" (6 mm)

FLOW CHARACTERISTICS (AIR)

0 4 8 12 16 20 dm³/s
AIR FLOW

OUTLET PRESSURE

8 6 4 2 0 bar g
100 80 60 40 20 0 psig

PORT SIZE: 10 mm
INLET PRESSURE: 150 psig (10 bar g)
RANGE: 5 to 100 psig (0.3 to 7 bar)

Panel mounting hole diameter: 1.19" (30 mm)
Maximum panel thickness: 0.25" (6 mm)

Boostersignal

Typical Performance Characteristics

Typical Manifold Regulator Application

Pressure

Documents Provided by Coast Pneumatics
R72M Excelon® 72 Manifold Regulator
1/4", 3/8" Port Sizes

Excelon® design allows in-line or modular installation
Manifold typically up to six regulators without booster signal
Balanced valve design for optimum pressure control
Push to lock adjusting knob with tamper resistant accessory
Modular installations with Excelon® 72, 73, and 74 series can be made to suit particular applications

Technical data
Fluid: Compressed air
Maximum pressure: 290 psig (20 bar)
Operating temperature*: -30° to 150°F (-34° to 65°C)
* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).

Two inlet ports:
1/4" or 3/8" PTF
1/4" or 3/8" ISO Rc
1/4" or 3/8" ISO G

One outlet port:
1/4" PTF with PTF inlet ports
1/4" ISO Rc with ISO Rc inlet ports
1/4" ISO Rc with ISO G inlet ports

One gauge port:
1/8" PTF with PTF inlet ports
1/8" ISO Rc with ISO Rc inlet ports
1/8" ISO Rc with ISO G inlet ports

Materials
Body: Zinc
Bonnet: Acetal
Elastomers: Nitrile
Bottom plug: Acetal

Technical data
Fluid:
Compressed air
Maximum pressure:
290 psig (20 bar)
Operating temperature*:
-30° to 150°F (-34° to 65°C)
* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).

Two inlet ports:
1/4" or 3/8" PTF
1/4" or 3/8" ISO Rc
1/4" or 3/8" ISO G

One outlet port:
1/4" PTF with PTF inlet ports
1/4" ISO Rc with ISO Rc inlet ports
1/4" ISO Rc with ISO G inlet ports

One gauge port:
1/8" PTF with PTF inlet ports
1/8" ISO Rc with ISO Rc inlet ports
1/8" ISO Rc with ISO G inlet ports

Materials
Body: Zinc
Bonnet: Acetal
Elastomers: Nitrile
Bottom plug: Acetal

Ordering Information.
Models listed include PTF threads, knob adjustment, relieving diaphragm, 5 to 150 psig (0.3 to 10 bar) outlet pressure adjustment range* with gauge.

<table>
<thead>
<tr>
<th>Inlet Port (2)</th>
<th>Outlet Port (1)</th>
<th>Model</th>
<th>Flow † scfm (dm3/s)</th>
<th>Weight lb (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
<td>R72M 2AK RMG 83 (39)</td>
<td>0.79 (0.36)</td>
<td></td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>1/4&quot;</td>
<td>R72M 3AK RMG 83 (39)</td>
<td>0.79 (0.36)</td>
<td></td>
</tr>
</tbody>
</table>

† Typical flow with 150 psig (10 bar) inlet pressure, 90 psig (6.3 bar) set pressure and a 15 psig (1 bar) drop from set.

Alternative Models

R72

<table>
<thead>
<tr>
<th>Type</th>
<th>Substitute</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manifold</td>
<td>M</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inlet Port Size</th>
<th>Substitute</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>2</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Threads</th>
<th>Substitute</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTF</td>
<td>A</td>
</tr>
<tr>
<td>ISO Rc taper</td>
<td>B</td>
</tr>
<tr>
<td>ISO G parallel</td>
<td>G</td>
</tr>
</tbody>
</table>

* Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.
R72M Excelon® 72 Manifold Regulator
Dimensions in inches (mm)

Panel mounting hole diameter: 1.57” (40 mm)
Maximum panel thickness: 0.16” (4 mm)

Outlet Pressure
1/8” Gauge Port

Service Kit
Service Kit includes diaphragm assembly, valve assembly, valve spring and o-rings.

Service Kits

<table>
<thead>
<tr>
<th>Item</th>
<th>Type</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service kit</td>
<td>Relieving</td>
<td>4381-500</td>
</tr>
<tr>
<td></td>
<td>Non relieving</td>
<td>4381-501</td>
</tr>
</tbody>
</table>

R72M Excelon® 72 Manifold Regulator Application
Booster signal

Pressure in
R72M R72M R72M R72M R72M R72M

Panel mounting hole diameter: 1.57” (40 mm)
Maximum panel thickness: 0.16” (4 mm)