Excelon® modular system
R72G, R73G, R74G Pressure regulators

**Technical data**

**Fluid:** Compressed air, neutral gases

**NOTE:** Contact technical support for use with other media.

**Maximum pressure:** 300 psig (20 bar)

**Operating temperature:**
-30° to 175°F (-34° to 80°C)
(72) -30° to 150°F
*Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).

**Materials**

**R72G**
- Body: zinc
- Bonnet: acetal (Zinc on 250 psi model)
- Elastomers: nitrile
- Bottom plug: acetal
- Valve: polypropylene and TPV

**R73G, R74G**
- Body: aluminum
- Bonnet: (73) zinc, (74) aluminum
- Elastomers: nitrile
- Bottom plug: acetal
- Valve: polypropylene and TPV

**Ordering information**

Models listed include uni-directional flow, 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>ISO Symbol</th>
<th>Port Size</th>
<th>Model</th>
<th>Flow* scfm (dm3/s)</th>
<th>Weight lb (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1/4&quot;</td>
<td>R72G-2AK-RMG</td>
<td>70 (33)</td>
<td>0.79 (0.36)</td>
</tr>
<tr>
<td></td>
<td>1/4&quot;</td>
<td>R73G-2AK-RMG</td>
<td>91 (43)</td>
<td>1.36 (0.6)</td>
</tr>
<tr>
<td>R7*G Relieving</td>
<td>3/8&quot;</td>
<td>R73G-3AK-RMG</td>
<td>144 (68)</td>
<td>1.36 (0.6)</td>
</tr>
<tr>
<td></td>
<td>1/2&quot;</td>
<td>R74G-3AK-RMG</td>
<td>208 (98)</td>
<td>1.80 (0.82)</td>
</tr>
<tr>
<td></td>
<td>3/4&quot;</td>
<td>R74G-6AK-RMG</td>
<td>220 (105)</td>
<td>1.77 (0.80)</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.

**Options selector**

*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.

**Outlet press adj range**
- 5 to 30 psig (0.4 to 2 bar) (72)
- 5 to 60 psig (0.4 to 4 bar)
- 5 to 150 psig (0.4 to 10 bar)
- 10 to 250 psig (0.6 to 17 bar)**

**Adjustment**
- Knob K
- T-bar T

For further information [www.norgren.com](http://www.norgren.com)
Accessories

Wall mounting bracket*  Neck mounting bracket  Gauge 0 ... 160 psig  Panel nut  Tamper resistant cover and seal wire  Pipe adapters (quantity of 1) (NPT)  Quikclamp® (quantity of 1)  Quikclamp® and wall bracket (quantity of 1)  Service kit

R73G  4424-50  4461-50  18-013-209  5191-88  4455-51  4315-01 (1/4)  4314-51  4314-52  4381-600
R74G  4324-50  4368-51  18-013-209  4348-89  4355-51  4315-03 (1/2)  4314-51  4314-52  4381-700

* Bracket kit does not include wall mounting screws.

Mounting bracket

Neck mounting brackets

R72

Neck mounting brackets

R73

R74

Series A B C F G H Panel Ø Panel depth
72  2.67  1.30  1.02  1.97  1.89  1.38  1.57  0 to .16
73  3.78  1.54  1.22  2.68  2.44  2.20  1.89  .07 to .25
74  5.00  1.69  1.22  3.15  2.91  2.20  2.05  .07 to .25

Series J K L M N P R S T V
72  0.31  1.93  1.50  2.50  1.18  0.94  –  0.17  0.31  0.59
73  0.67  2.52  1.50  2.76  2.05  1.89  0.98  0.28  –  –
74  0.94  3.50  2.05  3.39  2.20  1.89  0.91  0.28  –  –

Dimensions in inches (mm)