- EXCELON design allows in-line installation or modular installation with other Excelon 72 products
- Full flow gauge ports
- Balanced valve design for optimum pressure control
- Push to lock adjusting knob with tamper resistant accessory
- R72R reverse flow option

**Technical Data**
Fluid: Compressed air
Maximum pressure: 20 bar (290 psig)
Operating temperature*: -20° to +65°C (0° to +150°F)
* Air supply must be dry enough to avoid ice formation at temperatures below 2°C (35°F).
Approximate flow at 10 bar (145 psig) inlet pressure, 6.3 bar (90 psig) set pressure and a droop of 1 bar (15 psig) from set:
33 dm³/s (70 scfm)
Gauge ports:
1/8" PTF with PTF main ports
1/8" ISO Rc with ISO Rc main ports
1/8" ISO Rc with ISO G main ports
Materials:
Body: Zinc
Bonnet: Acetal
Valve: Brass
Elastomers: Nitrile
Bottom plug: Acetal

**Ordering Information**
See Ordering Information on the following pages.

**ISO Symbols**
R72G Relieving
R72G Non Relieving
R72R Relieving
R72R Non Relieving
Typical Performance Characteristics

**FLOW CHARACTERISTICS**

![Graph showing flow characteristics with pressure and air flow on the y and x axes, respectively.]

**INLET PRESSURE:** 10 bar (145 psig)  
**RANGE:** 0.3 to 10 bar

---

**Ordering Information.** Models listed include unidirectional flow, ISO G threads, knob adjustment, relieving diaphragm, 0.3 to 10 bar (5 to 145 psig) outlet pressure adjustment range* without gauge.

<table>
<thead>
<tr>
<th>Port Size</th>
<th>Model</th>
<th>Flow</th>
<th>Weight kg (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1/4</td>
<td>R72G-2GK-RMN</td>
<td>33 (70)</td>
<td>0.36 (0.79)</td>
</tr>
<tr>
<td>G3/8</td>
<td>R72G-3GK-RMN</td>
<td>33 (70)</td>
<td>0.36 (0.79)</td>
</tr>
</tbody>
</table>

† Typical flow with 10 bar (145 psig) inlet pressure, 6.3 bar (90 psig) set pressure and a 1 bar (15 psig) droop from set.

---

**Alternative Models**

<table>
<thead>
<tr>
<th>Row Type</th>
<th>Substitute</th>
<th>G</th>
<th>R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td></td>
<td>G</td>
<td></td>
</tr>
<tr>
<td>Reverse flow</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

**Gauge**  
With: G  
Without: N

**Outlet Pressure Adjustment Range**  
0.3 to 2 bar (5 to 30 psig) C  
0.3 to 4 bar (5 to 60 psig) F  
0.3 to 10 bar (5 to 145 psig) M

**Diaphragm**  
Relieving: R  
Non Relieving: N

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

* 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.

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N/AL.8.160.200.02  
Our policy is one of continuous research and development. We reserve the right to amend, without notice, the specifications given in this document.
Accessories

<table>
<thead>
<tr>
<th>Wall Mounting Bracket</th>
<th>Neck Mounting Bracket</th>
<th>Ø 40 mm Pressure Gauge</th>
<th>R1/8 Connection</th>
<th>1/8 PTF Connection</th>
<th>Plastic Panel Nut</th>
</tr>
</thead>
</table>

Tamper Resistant Cover and Seal wire

4255-51
Seal Wire: 2117-01

Dimensions mm (inches)
Panel mounting hole diameter: 40 mm (1.57")
Panel thickness: 0 to 4 mm (0" to 0.16")
Bracket Mounting

Wall Bracket
Use 4 mm (5/32") screws to mount bracket to wall.

Quikclamp and Quikclamp Wall Bracket
Use 5 mm (3/16") screws to mount bracket to wall.

Neck Mounting for B72, R72, V72, includes plastic panel nut
Use 4 mm (5/32") screws to mount bracket to wall.

Bracket Kit Reference

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall bracket</td>
<td>4224-50</td>
</tr>
<tr>
<td>Neck mounting wall bracket</td>
<td>74316-50</td>
</tr>
<tr>
<td>Quikclamp and Quikclamp wall bracket</td>
<td>4214-52</td>
</tr>
</tbody>
</table>

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>

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

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under ‘Technical Data’.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

Water vapor will pass through these units and will condense into liquid if air temperature drops in the downstream system. Install an air dryer if water condensation could have a detrimental effect on the application.