**Technical features**

**Medium:** Compressed air only

**Maximum operating pressure:** 20 bar (300 psi)

**Pressure range:**
- Standard: 0.3 ... 10 bar (4 ... 145 psi)
- Optional: 0.3 ... 4 bar (4 ... 58 psi)
- 0.7 ... 17 bar (10 ... 250 psi)

**Flow:**
- 60 dm³/s maximum
- At port size: 3/8"

**Gauge:**
- Pressure: 0.3 ... 10 bar (4 ... 145 psi)
- Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

**Ambient/Media temperature:**
- -34° ... +80°C (-30° ... +176°F)
- Version with gauge: -34° ... +65°C (-30° ... +149°F)

**Port size:**
- 1/4", 3/8", 1/2", 1/4 PTF, 3/8 PTF, 1/2 PTF

**Non-return valve:**
- R73G – without return valve
- R73R – with return valve

**Technical data R73G - standard models with diaphragm**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Port size</th>
<th>Size</th>
<th>Pressure range (bar)</th>
<th>Adjustment</th>
<th>Weight (kg)</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1/4</td>
<td>—</td>
<td>0,3</td>
<td>0,3 ... 10</td>
<td>Knob</td>
<td>0,48</td>
<td>R73G-2GK-RMN</td>
</tr>
<tr>
<td>G3/8</td>
<td>Basic</td>
<td>0,3</td>
<td>0,3 ... 10</td>
<td>Knob</td>
<td>0,48</td>
<td>R73G-3GK-RMN</td>
</tr>
<tr>
<td>G1/2</td>
<td>—</td>
<td>0,3</td>
<td>0,3 ... 10</td>
<td>Knob</td>
<td>0,48</td>
<td>R73G-4GK-RMN</td>
</tr>
</tbody>
</table>

**Technical data R73R with diaphragm**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Port size</th>
<th>Size</th>
<th>Pressure range (bar)</th>
<th>Adjustment</th>
<th>Weight (kg)</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1/4</td>
<td>—</td>
<td>0,3</td>
<td>0,3 ... 10</td>
<td>Knob</td>
<td>0,48</td>
<td>R73R-2GK-RMN</td>
</tr>
<tr>
<td>G3/8</td>
<td>Basic</td>
<td>0,3</td>
<td>0,3 ... 10</td>
<td>Knob</td>
<td>0,48</td>
<td>R73R-3GK-RMN</td>
</tr>
<tr>
<td>G1/2</td>
<td>—</td>
<td>0,3</td>
<td>0,3 ... 10</td>
<td>Knob</td>
<td>0,48</td>
<td>R73R-4GK-RMN</td>
</tr>
</tbody>
</table>

**Materials:**
- Body: Die cast aluminium
- Bottom plug: Acetal
- Metal bonnet: Zinc
- Elastomers: NBR

---

**Option selector**

**Non-return valve**
- Without (standard)  
- Integrated

**Port size**
- 1/4"  
- 3/8"  
- 1/2"

**Thread form**
- PTF  
- ISO G parallel (standard)

**Adjustment**
- Knob (standard)  
- T-bar

**Outlet pressure adjustment range**
- 0.3 ... 4 bar  
- 0.3 ... 10 bar (standard)  
- 0.7 ... 17 bar

**Diaphragm**
- Relieving (standard)  
- Non relieving

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*2) 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.
Flow characteristics
Inlet pressure: 10 bar (145 psi)
Port size: 3/8"

Outlet pressure

Inlet pressure: 7 bar (101 psi)
Port size: 3/8"

Outlet pressure

Accessories

Wall mounting bracket
Neck mounting bracket
Panel nut
Quikclamp®
Quikclamp with wall bracket®
Tamper resistant kit

Porting block with three alternative 1/4" ports
2/2 Shut-off valves (for full technical specification see datasheet 8.180.600)
3/2 Shut-off valves (for full technical specification see datasheet 8.180.600)

Quikmount pipe adaptor *1)

Pressure switch (0,5 ... 8 bar)
Padlock (brass) with two keys *1)

Service kit

*1) Please use a Quikmount pipe adaptor if the Quikclamp be mounted at inlet or outlet side.

*1) For shut-off valves and tamper resistant kit.
Gauge

Center back connection, white face (for full technical specification see datasheet 8.900.900)

<table>
<thead>
<tr>
<th>Pressure range bar</th>
<th>0...6</th>
<th>0...10</th>
<th>0...25</th>
<th>0...30</th>
<th>0...40</th>
<th>0...60</th>
<th>0...100</th>
<th>0...250</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mpa psi</td>
<td>0.84</td>
<td>1.45</td>
<td>2.5</td>
<td>3.6</td>
<td>4.4</td>
<td>6.0</td>
<td>11</td>
<td>20</td>
</tr>
<tr>
<td>Ø</td>
<td>50 mm</td>
<td>50 mm</td>
<td>50 mm</td>
<td>50 mm</td>
<td>50 mm</td>
<td>50 mm</td>
<td>50 mm</td>
<td>50 mm</td>
</tr>
<tr>
<td>Thread size</td>
<td>R1/8</td>
<td>R1/8</td>
<td>R1/8</td>
<td>R1/8</td>
<td>R1/8</td>
<td>R1/8</td>
<td>R1/8</td>
<td>R1/8</td>
</tr>
</tbody>
</table>

*1) primary scale

Center back connection, black face for North America (for full technical specification see datasheet 8.900.900)

<table>
<thead>
<tr>
<th>Pressure range bar</th>
<th>0...60</th>
<th>0...160</th>
<th>0...300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mpa psi</td>
<td>0.4</td>
<td>1.1</td>
<td>2.1</td>
</tr>
<tr>
<td>Ø</td>
<td>50 mm</td>
<td>50 mm</td>
<td>50 mm</td>
</tr>
<tr>
<td>Thread size</td>
<td>1/4 NPT</td>
<td>1/4 NPT</td>
<td>1/4 NPT</td>
</tr>
<tr>
<td>Model</td>
<td>18-015-208</td>
<td>18-015-209</td>
<td>18-015-210</td>
</tr>
</tbody>
</table>

*1) primary scale

Drawings

Standard

T-bar

Accessories

Quikclamp®

Quikclamp® with wall bracket

Porting block

Pipe adapter

Dimensions in mm

Projection/First angle

- Main ports 1/4", 3/8" or 1/2"
- Reduces by 4 mm with knob in locked position
- Panel thickness 2...6 mm
- Gauge port Rc1/8 for ISO G and 1/4" PTF for PTF main ports
- Alternative gauge port plugged

Ports 1/4" ISO G/PTF plugged
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 features/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 IMI Precision Engineering, Norgren Inc.

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.