> Port size: 3/8” ... 3/4” (ISO G/PTF)

> Excelon® Plus design allows in-line installation or modular installation with other Excelon® Plus products

> Push to lock adjusting knob with built in tamper resistant feature

> Easy to read flush mounted integrated pressure gauge as standard

Technical features

Medium:
Compressed air only

Maximum supply pressure:
20 bar (290 psi)

Outlet pressure ranges:
0.3 ... 10 bar (4 ... 145 psi),
0.3 ... 4 bar (4 ... 58 psi) optional,
0.7 ... 17 bar (10 ... 247 psi) optional

Gauge:
Integrated as standard
Gauge port 1/8” as option

Port size:
G3/8, G1/2, G3/4,
3/8 PTF, 1/2 PTF, 3/4 PTF

Diaphragm Type:
Relieving

Flow:
125 dm³/s
at port size: 1/2”,
inlet pressure 10 bar (145 psi),
6.3 bar (91 psi) set pressure and a Δp: 1 bar (14.5 psi) droop from set.

Ambient/Media temperature:
-20 ... +65°C (-4 ... +149°F)

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: Die cast aluminium
Body covers: ABS
Bonnet: POM/Aluminium
Valve: PP
Elastomers: NBR

Technical data R84G - standard models

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Port size</th>
<th>Pressure range (bar)</th>
<th>Adjustment</th>
<th>Integrated gauge (bar)</th>
<th>Weight (kg)</th>
<th>Model*1)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>G3/8</td>
<td>0.3 ... 10</td>
<td>Knob</td>
<td>0 ... 10</td>
<td>0.59</td>
<td>R84G-3GK-RMG</td>
</tr>
<tr>
<td></td>
<td>G1/2</td>
<td>0.3 ... 10</td>
<td>Knob</td>
<td>0 ... 10</td>
<td>0.59</td>
<td>R84G-4GK-RMG</td>
</tr>
<tr>
<td></td>
<td>G3/4</td>
<td>0.3 ... 10</td>
<td>Knob</td>
<td>0 ... 10</td>
<td>0.59</td>
<td>R84G-6GK-RMG</td>
</tr>
</tbody>
</table>

*1) All models shown here are supplied with integrated gauge applicable for flow direction left to right.
With flow direction right to left please use the online configurator www.imi-precision.com/air-preparation-configurator or contact IMI Norgren

Option selector *1)

Port size Substitute
3/8” 3
1/2” 4
3/4” 6

Thread form Substitute
PTF A
G5 G parallel (standard) G

Adjustment Substitute
Knob (standard) K
T-bar T*2)

R84G-***-R***

Gauge Substitute
With fitted integrated gauge G
Without integrated gauge but with gauge port 1/8” N

Pressure range *3) Substitute
0.3 ... 4 bar F
0.3 ... 10 bar (standard) M
0.7 ... 17 bar (S*2)

*3) 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.

*1) All models shown here are applicable for flow direction left to right. With flow direction right to left please use the online configurator www.imi-precision.com/air-preparation-configurator or contact IMI Norgren

*2) Units with 17 bar outlet pressure range are available only with the T-bar adjustment; therefore substitute T at the 7th position and S at the 9th position.
T-bar handle only available with 17 bar option.
Flow characteristics
Inlet pressure: 10 bar (145 psi)
Port size: 1/2"

Outlet pressure (bar)
Air flow (dm³/s)

Inlet pressure: 7 bar (101 psi)
Port size: 1/2"

Outlet pressure (bar)
Air flow (dm³/s)
Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document.

Accessories

<table>
<thead>
<tr>
<th>Quikclamp® with bracket assembled</th>
<th>Quikclamp® with bracket assembled</th>
<th>NECK mounting bracket &amp; Panel nut</th>
<th>Panel mounting nut</th>
<th>Mounting bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Image](291x433 to 321x490)</td>
<td>![Image](390x434 to 433x493)</td>
<td>![Image](72x558 to 117x590)</td>
<td>![Image](177x558 to 222x590)</td>
<td>![Image](55x308 to 135x367)</td>
</tr>
<tr>
<td>R84014-51KIT</td>
<td>R84014-52KIT</td>
<td>R84008-51KIT</td>
<td>R84004-69NT</td>
<td>R84024-59KIT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Integrated gauge 10 bar gauge</th>
<th>Integrated gauge 20 bar gauge</th>
<th>Gauge adaptor kit 1/8 PTF</th>
<th>Gauge adaptor kit R 1/8</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Image](76x174 to 136x235)</td>
<td>![Image](375x680 to 426x714)</td>
<td>![Image](161x308 to 241x367)</td>
<td>![Image](513x165 to 550x247)</td>
</tr>
<tr>
<td>R840073-01KIT</td>
<td>R840073-02KIT</td>
<td>R840100-01KIT</td>
<td>R840100-02KIT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Page 4</th>
<th>Page 5</th>
<th>Page 5</th>
<th>Page 5</th>
<th>Page 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>840014-51KIT</td>
<td>840014-52KIT</td>
<td>840008-51KIT</td>
<td>840004-69NT</td>
<td>840024-59KIT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pressure sensing block 1/4 PTF</th>
<th>Pressure sensing block G1/4</th>
<th>Padlock</th>
<th>Lockout device</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Image](164x664 to 242x728)</td>
<td>![Image](266x674 to 344x723)</td>
<td>![Image](480x674 to 543x724)</td>
<td>![Image](55x308 to 135x367)</td>
</tr>
<tr>
<td>R840016-50KIT</td>
<td>R840016-51NT</td>
<td>R840055-01KT</td>
<td>R840055-02KT</td>
</tr>
</tbody>
</table>

Pressure ranges:

<table>
<thead>
<tr>
<th>Pressure range (bar) *3</th>
<th>(MPa)</th>
<th>(psi)</th>
<th>Ø</th>
<th>Thread size</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ... 6</td>
<td>0 ... 0,6</td>
<td>0 ... 84</td>
<td>50 mm</td>
<td>R1/8</td>
<td>18-015-012</td>
</tr>
<tr>
<td>0 ... 10</td>
<td>0 ... 1</td>
<td>0 ... 145</td>
<td>50 mm</td>
<td>R1/8</td>
<td>18-015-013</td>
</tr>
<tr>
<td>0 ... 25</td>
<td>0 ... 2,5</td>
<td>0 ... 362</td>
<td>50 mm</td>
<td>R1/8</td>
<td>18-015-014</td>
</tr>
</tbody>
</table>

*1) Flanged version. For other pressure ranges, please see data sheet 5.11.001

*2) For other pressure ranges, please see data sheet 5.11.385

Gauges (for regulators with gauge port instead of integrated port)

<table>
<thead>
<tr>
<th>Port Adaptors</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8 PTF</td>
</tr>
<tr>
<td>1/2 PTF</td>
</tr>
<tr>
<td>3/4 PTF</td>
</tr>
<tr>
<td>G3/8</td>
</tr>
<tr>
<td>G1/2</td>
</tr>
<tr>
<td>G3/4</td>
</tr>
</tbody>
</table>

Service kits

<table>
<thead>
<tr>
<th>R84 / B84 Elastomere kit</th>
<th>FRLB84-Kit</th>
</tr>
</thead>
</table>
### Dimensions

![Dimension Diagrams]

**Main Ports**
- 3/8", 1/2", or 3/4" (ISO G/PTF)

**Gauge Ports**
- Rc 1/8 for ISO G and 1/8 PTF for PTF main ports

### Accessories

**Quikclamp® with wall bracket**

**Quikclamp®**

[Additional accessory diagrams]
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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 Ltd.

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.

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Dimensions in mm
Projection/Third angle