Technical features

Medium:
Compressed air only

Maximum operating pressure:
17 bar (246 psi)

Pressure range:
- Standard: 0.3 ... 10 bar (4 ... 145 psi)
- Optional: 0.4 ... 4 bar (5 ... 58 psi), 0.7 ... 17 bar (10 ... 246 psi)

Gauge port:
1/8 PTF with PTF main ports
1/8 ISO G with ISO G main ports

Flow:
See table below

Relieving:
With (standard)
Non-relieving (optional)

Ambient/Media temperature:
-20° ... +80°C (-4° ... +176°F)

Materials:
- Body and yoke: Zinc alloy
- Connection piece: Aluminium
- Bonnet: Aluminium
- Adjusting knob: Acetal resin
- Elastomers: NBR

Port size selector

<table>
<thead>
<tr>
<th>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>
<tr>
<td>1/2&quot;</td>
<td>4</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>6</td>
</tr>
</tbody>
</table>

| Without yoke | N |

| Thread Substitute |
|-------------------|--|
| PTF               | A |
| ISO G (standard)  | G |
| Without yoke (standard) | N |

<table>
<thead>
<tr>
<th>Adjustment Substitute</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knob (standard)</td>
</tr>
<tr>
<td>T-bar (0.7 ... 17 bar)</td>
</tr>
</tbody>
</table>

Technical data, standard models with relieving

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Port size</th>
<th>Size</th>
<th>Pressure range (bar)</th>
<th>Flow * (dm³/s)</th>
<th>Adjustment</th>
<th>Weight (kg)</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1/4</td>
<td>1/4&quot;</td>
<td>—</td>
<td>0.3 ... 10</td>
<td>35</td>
<td>Knob</td>
<td>1.63</td>
<td>R64G-2GK-RMN</td>
</tr>
<tr>
<td>G3/8</td>
<td>3/8&quot;</td>
<td>—</td>
<td>0.3 ... 10</td>
<td>80</td>
<td>Knob</td>
<td>1.81</td>
<td>R64G-3GK-RMN</td>
</tr>
<tr>
<td>G1/2</td>
<td>1/2&quot;</td>
<td>Basic</td>
<td>0.3 ... 10</td>
<td>120</td>
<td>Knob</td>
<td>1.59</td>
<td>R64G-4GK-RMN</td>
</tr>
<tr>
<td>G3/4</td>
<td>3/4&quot;</td>
<td>—</td>
<td>0.3 ... 10</td>
<td>120</td>
<td>Knob</td>
<td>1.87</td>
<td>R64G-6GK-RMN</td>
</tr>
<tr>
<td>Without yoke</td>
<td>—</td>
<td>0.3 ... 10</td>
<td>120</td>
<td>Knob</td>
<td>1.16</td>
<td>R64G-NNK-RMN</td>
<td></td>
</tr>
</tbody>
</table>

* Typical flow with 10 bar (145 psi) inlet pressure, and 6.3 bar (91 psi) set pressure and 1 bar (14.5 psi) drop from set.

Gauge Substitute
- With G
- Without (standard) N

Pressure range (bar) *1 Substitute
- 0.3 ... 10 (standard) M
- 0.3 ... 4 F
- 0.7 ... 17 S *2)

Diaphragm Substitute
- Relieving (standard) R
- Non-relieving N

*1) 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.

*2) Units with 17 bar (246 psi) outlet pressure range are available only with the T-bar adjustment; therefore substitute T at the 7th digit and S at the 9th position.
Flow characteristics
Inlet pressure: 10 bar, port size: 1/2"
Pressure range: 0,3 ... 10 bar

Regulating characteristics
Port size: 1/2"

Accessories, service kit and gauges

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Models with G-thread</th>
<th>Single yoke</th>
<th>Double yoke</th>
<th>3/2 Shut-off valve</th>
<th>Threaded inlet only</th>
<th>Threaded outlet only</th>
<th>End connector kit</th>
<th>Rear entry bracket kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thread</td>
<td>G1/4</td>
<td>Y64A-2GA-N1N</td>
<td>Y64A-2GA-N2N</td>
<td>T64T-2GB-P1N</td>
<td>T64T-2GC-P1N</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>G3/8</td>
<td>Y64A-3GA-N1N</td>
<td>Y64A-3GA-N2N</td>
<td>T64T-3GB-P1N</td>
<td>T64T-3GC-P1N</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>G1/2</td>
<td>Y64A-4GA-N1N</td>
<td>Y64A-4GA-N2N</td>
<td>T64T-4GB-P1N</td>
<td>T64T-4GC-P1N</td>
<td>74505-50</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>G3/4</td>
<td>Y64A-6GA-N1N</td>
<td>Y64A-6GA-N2N*</td>
<td>T64T-6GB-P1N</td>
<td>T64T-6GC-P1N</td>
<td>74505-53</td>
<td>18-026-981</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>1/4 PTF</td>
<td>Y64A-2AA-N1N</td>
<td>Y64A-2AA-N2N</td>
<td>T64T-2AB-P1N</td>
<td>T64T-2AC-P1N</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>3/8 PTF</td>
<td>Y64A-3AA-N1N</td>
<td>Y64A-3AA-N2N</td>
<td>T64T-3AB-P1N</td>
<td>T64T-3AC-P1N</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>1/2 PTF</td>
<td>Y64A-4AA-N1N</td>
<td>Y64A-4AA-N2N</td>
<td>T64T-4AB-P1N</td>
<td>T64T-4AC-P1N</td>
<td>74505-52</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>3/4 PTF</td>
<td>Y64A-6AA-N1N</td>
<td>Y64A-6AA-N2N*</td>
<td>T64T-6AB-P1N</td>
<td>T64T-6AC-P1N</td>
<td>74505-55</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

*These yokes are supplied with two end connector kits as standard.
## R64G - Olympian Plus plug-in system

**Pressure regulator**

### Service kit

<table>
<thead>
<tr>
<th>Service kit</th>
<th>R64G-KITR (for relieving version)</th>
</tr>
</thead>
</table>

### Gauges

#### Center back connection, white face

<table>
<thead>
<tr>
<th>Pressure range</th>
<th>psi</th>
<th>Ø</th>
<th>Thread size</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>0...4</td>
<td>0...0.4</td>
<td>50 mm</td>
<td>R1/8</td>
<td>18-013-011</td>
</tr>
<tr>
<td>0...10</td>
<td>0...1</td>
<td>50 mm</td>
<td>R1/8</td>
<td>18-013-013</td>
</tr>
<tr>
<td>0...25</td>
<td>0...2.5</td>
<td>50 mm</td>
<td>R1/8</td>
<td>18-013-014</td>
</tr>
</tbody>
</table>

**primary scale**

#### Center back connection, black face for North America

<table>
<thead>
<tr>
<th>Pressure range</th>
<th>psig</th>
<th>Ø</th>
<th>Thread size</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>0...60</td>
<td>0...4</td>
<td>2” (50 mm)</td>
<td>1/8 NPT</td>
<td>18-013-202</td>
</tr>
<tr>
<td>0...160</td>
<td>0...11</td>
<td>2” (50 mm)</td>
<td>1/8 NPT</td>
<td>18-013-204</td>
</tr>
<tr>
<td>0...400</td>
<td>0...28</td>
<td>2” (50 mm)</td>
<td>1/8 NPT</td>
<td>18-013-206</td>
</tr>
</tbody>
</table>

**primary scale**
Basic dimensions

Standard

T-bar

Single yoke with bracket mounting

Double yoke with bracket mounting

- Minimum clearance required to remove unit from yoke
- Main ports 1/4", 3/8", 1/2" or 3/4"
- For main ports 3/4" only
- Reduces by 4 mm with knob in locked position
- Gauge port

Dimensions in mm

Projection/First angle

en 8.240.200.04
Rear entry bracket
18-026-981

Porting block
74507-50
Dimensions in mm
Projection/First angle

Adjustable pressure switch
4346-99
Voltage
24 V d.c./240 V a.c.
Current
0.5 A (d.c.); 5 A (a.c.)
Pressure range
2 ... 10 bar
Repeatability
2% of full span range at 20°C
Average deadband
0.8 ... 1.7 bar
Electrical connection
EN 175301-803 - Form C, 15 mm
Degree of protection:
IP65
Adjustable
Standard
Material
Body: Aluminium, Elastomers: NBR

3/2 Shut-off valve

Symbol A B ø C Model
G1/4 48 27 T64T-2G*-P1N
G3/8 48 27 T64T-3G*-P1N
G1/2 48 27 T64T-4G*-P1N
G3/4 51 33 T64T-6G*-P1N

* B = Threaded inlet only, C = Threaded outlet only

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, IMI International s.r.o.
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.