> Port size: M5, G1/8 or Cartridge style
> Miniature high performance regulator
> Suitable for oxygen service

> Precision pressure regulation
> Excellent flow, pressure drop and hysteresis
> Cartridge design for manifold integration
> Design registration number: 000362165-0001/0002

**Technical features**

Medium:
- Compressed air and medical gases

Maximum inlet pressure:
- 10 bar (145 psi)

Standard pressure range:
- 0 ... 0.35 bar (0 ... 5 psi)
- 0 ... 2 bar (0 ... 29 psi)
- 0 ... 2.75 bar (0 ... 39.9 psi)
- 0 ... 4 bar (0 ... 58 psi)

Flow range:
- 200 l/min - RM1L
- 500 l/min - RM1H

\[ P_1 = 10 \text{ bar (145 psi)} \]
\[ P_2 = 2 \text{ bar (29 psi)} \]

Ambient/Media temperature:
- -5 ... +95°C (+23 ... 203 °F)

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

Wetted materials:
- Housing: Aluminium
- Polymers: PPS (FDA compliant)
- Elastomers: FPM (FDA compliant)
- Metal components: Stainless steel & Aluminium

**Option selector**

<table>
<thead>
<tr>
<th>Type</th>
<th>Substitute</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low flow</td>
<td>L</td>
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<tr>
<td>High flow</td>
<td>H</td>
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<table>
<thead>
<tr>
<th>Type</th>
<th>Substitute</th>
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<tbody>
<tr>
<td>Body M5</td>
<td>5M</td>
</tr>
<tr>
<td>Body G1/8</td>
<td>1G</td>
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<tr>
<td>Cartridge style</td>
<td>NN</td>
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**Spring & Adjustment Selector**

<table>
<thead>
<tr>
<th>RM1- - - - - N*V</th>
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<table>
<thead>
<tr>
<th>Springs</th>
<th>Substitute</th>
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<tbody>
<tr>
<td>0.35 bar</td>
<td>A</td>
</tr>
<tr>
<td>2.00 bar</td>
<td>C</td>
</tr>
<tr>
<td>2.75 bar</td>
<td>D</td>
</tr>
<tr>
<td>4.00 bar</td>
<td>F</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Adjustment</th>
<th>Substitute</th>
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<tbody>
<tr>
<td>Not preset</td>
<td>D</td>
</tr>
<tr>
<td>Preset</td>
<td>S</td>
</tr>
</tbody>
</table>

Note: For pre-set units the following information is required:
- Primary pressure ± Tolerance
- Pre-set pressure ± Tolerance
- Setting flow ± Tolerance
Flow characteristics

Model: RM1L...

Inlet pressure 4 bar

Inlet pressure 10 bar

Model: RM1H...

Inlet pressure 4 bar

Inlet pressure 10 bar

Flow characteristics

Regulation characteristics

Flow 10 l/min

Flow 50 l/min

Flow 100 l/min

Flow 200 l/min
Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. (2006 - C8113e) © 2015 Norgren Ltd.

### Dimensions

#### Body version

- Inlet
- Outlet
- Adjustable from 0 to 7 mm
- Torque to 0.4/0.6 Nm maximum
- Mounting threads M3 x 6 deep

#### Cartidge style version

- Adjustable from 0 to 7 mm
- Torque to 0.4/0.6 Nm maximum

#### Installation dimensions

- Ø 2.5 x 5 deep
- M3 x 0.5
- N6 finish above hole only

Dimensions shown in mm

Projection/First angle
Warning

These products are intended for use in life sciences & medical applications with compressed gases only. Do not use these products where pressures and temperatures can exceed those listed under »Technical features«.

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.