Cylinder regulator
R300 Series

- Chrome plated brass
- High inlet pressure
- Precise outlet pressure
- Low flowrate

This series of chrome plated brass, two-stage regulators is ideally suited to laboratory applications such as gas chromatography and instrumentation calibration. The regulator provides an economical means of achieving precise outlet pressure control and is entirely suitable for point of use control of high purity non-corrosive gases.
Specifications

Material
Body: chrome plated brass
Bonnet: chrome plated brass
Seat: PCTFE / EPDM
Inlet filter: 316L stainless steel or brass for O₂ service
Piston: brass
Gauge: chrome plated brass, 50 mm diameter
Outlet valve: chrome plated brass

Pressure/Temperature rating
Maximum inlet pressure: 230 bar.g
Temperature range: -20 °C to +60 °C

Connections
Inlet: cylinder connection
Outlet: 1/4 inch NPT male

Design leak rate
< 1 x 10⁻⁸ mbar.l/sec He equivalent

Weight
1.8 kg

Dimensions
WxHxD: 250 mm x 150 mm x 110 mm

Design Features
• Two-stage for maximum outlet pressure stability
• High standard chrome finish
• Compact design
• Lubricated piston
• Inlet filter for maximum reliability
• Ultrasonically cleaned for high purity gas handling
• Relief valve fitted as standard for protection against over pressurisation
• Individually tested and certified to assure maximum leak-tightness and reliability

Ordering Information

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Recommended outlet pressure range (bar.g)</th>
<th>Design capacity at maximum outlet pressure (*) (Nm³/h)</th>
<th>Inlet gauge range (bar.g)</th>
<th>Outlet gauge range (bar.g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R302</td>
<td>0.05 to 1.0(**)</td>
<td>7</td>
<td>0 to 315</td>
<td>-1.0 to +1.5</td>
</tr>
<tr>
<td>R303</td>
<td>0.1 to 3.5</td>
<td>7.5</td>
<td>0 to 315</td>
<td>0.0 to +5.0</td>
</tr>
<tr>
<td>R304</td>
<td>0.5 to 8.0</td>
<td>8</td>
<td>0 to 315</td>
<td>0.0 to +15.0</td>
</tr>
</tbody>
</table>

(*) For outlet pressure drops, refer to the flow curves.
(**) Very low outlet pressure version (100 mbar) also available. Contact Air Products for details.

Options

- Cleaning for oxygen service
- Helium leak rate certification
- Extra 5 micron inlet filter
- Purge systems (See datasheet)
- Compression fitting on outlet (available in various sizes)
Cylinder regulator
**R350 Series**

- Stainless steel
- High inlet pressure
- Precise outlet pressure
- Low flowrate

This series of stainless steel, two-stage regulators is ideally suited to laboratory applications such as gas chromatography and instrumentation calibration. The regulator provides an economical means of achieving precise outlet pressure control and is entirely suitable for point of use control of high purity corrosive gases and gas mixtures. The R350 series is not suitable for oxygen service.
Specifications

Material:
- Body: 316L stainless steel
- Bonnet: 316L stainless steel
- Seat: PCTFE / EPDM
- Inlet filter: 316L stainless steel
- Piston: 316L stainless steel
- Gauge: 316L stainless steel, 50 mm diameter
- Outlet valve: 316L stainless steel

Pressure/temperature rating
- Maximum inlet pressure: 230 bar.g
- Temperature range: -20 °C to +60 °C

Connections
- Inlet: cylinder connection
- Outlet: 1/4 inch NPT male

Design leak rate
- < 1 x 10^-8 mbar.l/sec He equivalent

Weight
- 1.8 kg

Dimensions
- WxHxD: 250 mm x 150 mm x 110 mm

Design Features
- Two-stage for maximum outlet pressure stability
- High standard stainless steel finish
- Compact design
- Lubricated piston
- Inlet filter for maximum reliability
- Ultrasonically cleaned for high purity gas handling
- Relief valve fitted as standard for protection against over pressurisation
- Individually tested and certified to assure maximum leak-tightness and reliability

Ordering Information

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Recommended outlet pressure range (bar.g)</th>
<th>Design capacity at maximum outlet pressure (*) (Nm³/h)</th>
<th>Inlet gauge range (bar.g)</th>
<th>Outlet gauge range (bar.g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R352</td>
<td>0.05 to 1.0(**)</td>
<td>7</td>
<td>0 to 315</td>
<td>-1.0 to +1.5</td>
</tr>
<tr>
<td>R353</td>
<td>0.1 to 3.5</td>
<td>7.5</td>
<td>0 to 315</td>
<td>0.0 to +5.0</td>
</tr>
<tr>
<td>R354</td>
<td>0.5 to 8.0</td>
<td>8</td>
<td>0 to 315</td>
<td>0.0 to +15.0</td>
</tr>
</tbody>
</table>

(*) For outlet pressure drops, refer to the flow curves.

(**) Very low outlet pressure version (100 mbar) also available. Contact Air Products for details.

Options:
- D: Helium leak rate certification
- E: Extra 5 micron inlet filter
- G: Purge systems (see datasheet)
- H: Compression fitting on outlet (available in various sizes)

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Cylinder regulator
R400 Series

Brass
High inlet pressure
Single stage

This series of cost effective brass single-stage regulators is recommended for use with high purity, non-corrosive gases and gas mixtures up to 310 bar.g. The specially designed convoluted stainless steel diaphragm has no soft seal materials and so provides good regulating performance without contamination.
Specifications

**Material**
- Body: brass
- Bonnet: nickel plated brass
- Seat: Teflon®
- Inlet filter: bronze
- Diaphragm: 316L stainless steel
- Gauge: brass, 64 mm diameter
- Outlet valve: brass

**Pressure/Temperature rating**
- Maximum inlet pressure: 310 bar.g
- Temperature range: -40 °C to +74 °C

**Connections**
- Inlet: cylinder connection
- Outlet: 1/4 inch NPT male
- Relief valve: 1/4 inch NPT male

**Flow**
- CV=0.06
- The flow coefficient expresses the flow capability of the regulator.
- CV is the flow of air in standard ft³/min for each psi of inlet pressure.

**Design leak rate**
- < 2 x 10⁻⁸ mbar.l/sec He equivalent

**Weight**
- 1.8 kg

**Installation dimensions**
- WxHxD: 220 mm x 140 mm x 125 mm

**Ordering information**

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Recommended outlet pressure range (bar.g)</th>
<th>Design capacity at maximum outlet pressure (*) (Nm³/h)</th>
<th>Inlet gauge range (bar.g)</th>
<th>Outlet gauge range (bar.g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R401</td>
<td>0.1 to 0.7</td>
<td>7</td>
<td>0 to 315</td>
<td>-1.0 to +1.5</td>
</tr>
<tr>
<td>R402</td>
<td>0.2 to 1.7</td>
<td>18</td>
<td>0 to 315</td>
<td>-1.0 to +3.0</td>
</tr>
<tr>
<td>R403</td>
<td>0.5 to 3.5</td>
<td>33</td>
<td>0 to 315</td>
<td>-1.0 to +5.0</td>
</tr>
<tr>
<td>R404</td>
<td>1.0 to 7.0</td>
<td>62</td>
<td>0 to 315</td>
<td>-1.0 to +9.0</td>
</tr>
<tr>
<td>R405</td>
<td>5.0 to 17.0</td>
<td>106</td>
<td>0 to 315</td>
<td>0.0 to +25.0</td>
</tr>
<tr>
<td>R406</td>
<td>5.0 to 35.0</td>
<td>108</td>
<td>0 to 315</td>
<td>0.0 to +40.0</td>
</tr>
</tbody>
</table>

(*) For outlet pressure drops, refer to the flow curves.

**Design features**

- Inlet filter for maximum reliability
- Ultrasonically cleaned for high purity gas handling
- Relief valve fitted as standard for protection against over pressurisation
- Individually tested and certified to assure maximum leak-tightness and reliability
- Panel mounting facility using 2 threaded holes in the rear of the regulator
- High standard finish

**Options**
- Cleaning for oxygen service
- Helium leak rate certification
- Panel mounting kit, consists of 2 nuts
- Extra 5 micron inlet filter
- Purge system (see datasheet)
- Compression fitting on outlet (available in various sizes)
- Mounting on a back plate
- No relief valve
This series of brass, two stage, high purity regulators is designed for non-corrosive analytical and process applications up to 310 bar.g, requiring precise contaminant free pressure control.

The two-stage design yields a delivery pressure change of less than 0.004 bar per 10 bar inlet change. The convoluted stainless steel diaphragms provide excellent regulating characteristics and allow for internal vacuum purging. The metal to metal seal prevents contamination by eliminating the need for a soft seal and provides a leak rate of less than $2 \times 10^{-8}$ mbar.l/sec He.
Specifications

**Material**
- Body: brass
- Bonnet: nickel plated brass
- Seat: Teflon®
- Inlet filter: bronze
- Diaphragm: 316L stainless steel
- Gauge: brass, 64 mm diameter
- Outlet valve: brass

**Pressure/Temperature rating**
- Maximum inlet pressure: 310 bar.g
- Temperature range: -40 °C to +74 °C

**Connections**
- Inlet: cylinder connection
- Outlet: 1/4 inch NPT male
- Relief valve: 1/4 inch NPT male

**Flow**
- CV=0.05
- The flow coefficient expresses the flow capability of the regulator.
- CV is the flow of air in standard ft³/min for each psi of inlet pressure

**Design leak rate**
- < 2 x 10⁻⁸ mbar.l/sec He equivalent

**Weight**
- 2.5 kg

**Installation dimensions**
- WxHxD: 220 mm x 140 mm x 220 mm

**Ordering Information**

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Recommended outlet pressure range (bar.g)</th>
<th>Design capacity at maximum outlet pressure (*) (Nm³/h)</th>
<th>Inlet gauge range (bar.g)</th>
<th>Outlet gauge range (bar.g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R501</td>
<td>0.1 to 0.7</td>
<td>7</td>
<td>0 to 315</td>
<td>-1.0 to +1.5</td>
</tr>
<tr>
<td>R502</td>
<td>0.2 to 1.7</td>
<td>15</td>
<td>0 to 315</td>
<td>-1.0 to +3.0</td>
</tr>
<tr>
<td>R503</td>
<td>0.5 to 3.5</td>
<td>24</td>
<td>0 to 315</td>
<td>-1.0 to +5.0</td>
</tr>
<tr>
<td>R504</td>
<td>1.0 to 7.0</td>
<td>26</td>
<td>0 to 315</td>
<td>-1.0 to +9.0</td>
</tr>
<tr>
<td>R505</td>
<td>5.0 to 17.0</td>
<td>28</td>
<td>0 to 315</td>
<td>0.0 to +25.0</td>
</tr>
</tbody>
</table>

(*) For outlet pressure drops, refer to the flow curves.

**Design features**
- Two stage for maximum outlet pressure stability
- Inlet filter for maximum reliability
- Ultrasonically cleaned for high purity gas handling
- Relief valve fitted as standard for protection against over pressurisation
- Individually tested and certified to assure maximum leak-tightness and reliability
- High standard finish

**Options**
- Cleaning for oxygen service
- Helium leak rate certification
- Panel mounting kit, consists of 2 nuts
- Extra 5 micron inlet filter
- Purge system (see datasheet)
- Compression fitting on outlet (available in various sizes)
- Mounting on a back plate
- No relief valve

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This series of stainless steel single-stage regulators is recommended for use with high purity, corrosive gases and liquids up to 27 bar.g. The specially designed convoluted stainless steel diaphragm does not have soft seal materials and so provides good regulating performance without the possibility of contamination. Leak integrity is of the highest standard which is particularly important for toxic and corrosive gases.
Specifications

**Material**
- Body: 316L stainless steel
- Bonnet: nickel plated brass
- Seat: Teflon®
- Inlet filter: 316L stainless steel
- Diaphragm: 316L stainless steel
- Gauge: 316L stainless steel, 64 mm diameter
- Outlet valve: 316L stainless steel

**Pressure/Temperature rating**
- Maximum inlet pressure: 27 bar.g
- Temperature range: -40 °C to +74 °C

**Connections**
- Inlet: cylinder connection
- Outlet: 1/4 inch NPT male
- Relief valve: 1/4 inch NPT male

**Flow**
- CV = 0.15
- The flow coefficient expresses the flow capability of the regulator.
- CV is the flow of air in standard ft³/min for each psi of inlet pressure.

**Design leak rate**
- < 2 x 10⁻⁸ mbar.l/sec He equivalent

**Weight**
- 1.8 kg

**Installation dimensions**
- W x H x D: 220 mm x 140 mm x 125 mm

**Ordering Information**

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Recommended outlet pressure range (bar.g)</th>
<th>Design capacity at maximum outlet pressure (*) (Nm³/h)</th>
<th>Inlet gauge range (bar.g)</th>
<th>Outlet gauge range (bar.g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R601</td>
<td>0.1 to 0.7</td>
<td>10</td>
<td>0 to 40</td>
<td>-1.0 to +1.5</td>
</tr>
<tr>
<td>R602</td>
<td>0.2 to 1.7</td>
<td>19</td>
<td>0 to 40</td>
<td>-1.0 to +3.0</td>
</tr>
<tr>
<td>R603</td>
<td>0.5 to 3.5</td>
<td>28</td>
<td>0 to 40</td>
<td>-1.0 to +5.0</td>
</tr>
<tr>
<td>R604</td>
<td>1.0 to 7.0</td>
<td>34</td>
<td>0 to 40</td>
<td>-1.0 to +9.0</td>
</tr>
<tr>
<td>R605</td>
<td>5.0 to 17.0</td>
<td>36</td>
<td>0 to 40</td>
<td>0.0 to +25.0</td>
</tr>
</tbody>
</table>

(*) For outlet pressure drops, refer to the flow curves.

**Design features**
- Inlet filter for maximum reliability
- Ultrasonically cleaned for high purity gas handling
- Relief valve fitted as standard for protection against over pressurisation
- Individually tested and certified to assure maximum leak-tightness and reliability
- High standard stainless steel finish
- Panel mounting facility using 2 threaded holes in the rear of the regulator

**OPTIONS**
- Cleaning for oxygen service (C)
- Helium leak rate certification (D)
- Panel mounting kit, consists of 2 nuts (E)
- Extra 5 micron inlet filter (F)
- Purge system (see datasheet) (G)
- Compression fitting on outlet (available in various sizes) (H)
- Mounting on a back plate (M)
- No relief valve (R)

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This series of stainless single-stage regulators is recommended for use with high purity, corrosive gases and gas mixtures up to 310 bar.g but is not suitable for oxygen service. The specially designed convoluted stainless steel diaphragm does not have soft seal materials and so provides good regulating performance without the possibility of contamination. Leak integrity is of the highest standard which is particularly important for toxic and corrosive gases.
Specifications

Material
Body: 316L stainless steel
Bonnet: nickel plated brass
Seat: Teflon®
Inlet filter: 316L stainless steel
Diaphragm: 316L stainless steel
Gauge: 316L stainless steel, 64 mm diameter
Outlet valve: 316L stainless steel

Pressure/Temperature rating
Maximum inlet pressure: 310 bar.g
Temperature range:
- 40 °C to +74 °C

Connections
Inlet: cylinder connection
Outlet: 1/4 inch NPT male
Relief valve: 1/4 inch NPT male

Flow
CV=0.06
The flow coefficient expresses the flow capability of the regulator.
CV is the flow of air in standard ft³/min for each psi of inlet pressure.

Design leak rate
<2 x 10⁻⁸ mbar.l/sec He equivalent

Weight
1.8 kg

Installation dimensions
WxHxD: 220 mm x 140 mm x 125 mm

Design features
- Inlet filter for maximum reliability
- Ultrasonically cleaned for high purity gas handling
- Relief valve fitted as standard for protection against over pressurisation
- Individually tested and certified to assure maximum leak-tightness and reliability
- Panel mounting facility using 2 threaded holes in the rear of the regulator
- High standard stainless steel finish

Ordering Information

<table>
<thead>
<tr>
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<th>Inlet gauge range (bar.g)</th>
<th>Outlet gauge range (bar.g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R701</td>
<td>0.1 to 0.7</td>
<td>7</td>
<td>0 to 315</td>
<td>-1.0 to +1.5</td>
</tr>
<tr>
<td>R702</td>
<td>0.2 to 1.7</td>
<td>18</td>
<td>0 to 315</td>
<td>-1.0 to +3.0</td>
</tr>
<tr>
<td>R703</td>
<td>0.5 to 3.5</td>
<td>33</td>
<td>0 to 315</td>
<td>-1.0 to +5.0</td>
</tr>
<tr>
<td>R704</td>
<td>1.0 to 7.0</td>
<td>62</td>
<td>0 to 315</td>
<td>-1.0 to +9.0</td>
</tr>
<tr>
<td>R705</td>
<td>5.0 to 17.0</td>
<td>106</td>
<td>0 to 315</td>
<td>0.0 to +25.0</td>
</tr>
<tr>
<td>R706</td>
<td>5.0 to 35.0</td>
<td>108</td>
<td>0 to 315</td>
<td>0.0 to +40.0</td>
</tr>
</tbody>
</table>

(*) For outlet pressure drops, refer to the flow curves.

Options

- Helium leak rate certification
- Panel mounting kit, consists of 2 nuts
- Extra 5 micron inlet filter
- Purge system (see datasheet)
- Compression fitting on outlet (available in various sizes)
- Mounting on a back plate
- No relief valve

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Cylinder regulator
R800 Series

This series of stainless steel, two stage, high purity regulators is designed for high purity, corrosive gases and gas mixtures up to 310 bar.g, requiring precise, contaminant free, pressure control. The two-stage design yields a delivery pressure change of less than 0.004 bar/10 bar inlet change. The convoluted stainless steel diaphragms provide excellent regulating characteristics and allow for internal vacuum purging. The metal to metal seal prevents contamination by eliminating the need for a soft seal and provides a leak rate of less than $2 \times 10^{-8}$ mbar.l/sec He. The R800 series is not suitable for oxygen service.
Specifications

Material
Body: 316L stainless steel
Bonnet: nickel plated brass
Seat: Teflon®
Inlet filter: 316L stainless steel
Diaphragm: 316L stainless steel
Gauge: 316L stainless steel, 64 mm diameter
Outlet valve: 316L stainless steel

Pressure/Temperature rating
Maximum inlet pressure: 310 bar.g
Temperature range: -40 °C to +74 °C

Connections
Inlet: cylinder connection
Outlet: 1/4 inch NPT male
Relief valve: 1/4 inch NPT male

Flow
CV=0.05
The flow coefficient expresses the flow capability of the regulator.
CV is the flow of air in standard ft³/min for each psi of inlet pressure

Design leak rate
<2 x 10⁻⁸ mbar.l/sec He equivalent

Weight
2.5 kg

Installation dimensions
WxHxD: 220 mm x 140 mm x 220 mm

Design features
• Two stage for maximum outlet pressure stability
• Inlet filter for maximum reliability
• Ultrasonically cleaned for high purity gas handling
• Relief valve fitted as standard for protection against over pressurisation
• Individually tested and certified to assure maximum leak-tightness and reliability
• High standard stainless steel finish

Ordering Information

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Recommended outlet pressure range (bar.g)</th>
<th>Design capacity at maximum outlet pressure (*) (Nm³/h)</th>
<th>Inlet gauge range (bar.g)</th>
<th>Outlet gauge range (bar.g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R801</td>
<td>0.1 to 0.7</td>
<td>7</td>
<td>0 to 315</td>
<td>-1.0 to +1.5</td>
</tr>
<tr>
<td>R802</td>
<td>0.1 to 1.7</td>
<td>15</td>
<td>0 to 315</td>
<td>-1.0 to +3.0</td>
</tr>
<tr>
<td>R803</td>
<td>0.5 to 3.5</td>
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<td>0 to 315</td>
<td>-1.0 to +5.0</td>
</tr>
<tr>
<td>R804</td>
<td>1.0 to 7.0</td>
<td>28</td>
<td>0 to 315</td>
<td>-1.0 to +9.0</td>
</tr>
<tr>
<td>R805</td>
<td>5.0 to 17.0</td>
<td>28</td>
<td>0 to 315</td>
<td>0.0 to +25.0</td>
</tr>
</tbody>
</table>

(*) For outlet pressure drops, refer to the flow curves.

OPTIONS

D: Helium leak rate certification
E: Panel mounting kit, consists of 2 nuts
G: Purge system (see datasheet)
H: Compression fitting on outlet (available in various sizes)
M: Mounting on a back plate
R: No relief valve

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This series of brass single-stage ultra high pressure regulators is recommended for use with high purity, non-corrosive gases and gas mixtures. The regulator is specifically designed for a maximum inlet pressure of 415 bar.g and a maximum outlet pressure of 172 bar.g.
Specifications

**Material**
- Body: brass
- Bonnet: nickel plated brass
- Seat: Teflon®
- Inlet filter: bronze
- Gauge: brass, 64 mm diameter
- Outlet valve: brass

**Pressure/Temperature rating**
- Maximum inlet pressure: 415 bar.g
- Temperature range: -26 °C to +75 °C

**Connections**
- Inlet: cylinder connection
- Outlet: 1/4 inch NPT male

**Flow**
- CV=0.06
  - The flow coefficient expresses the flow capability of the regulator.
  - CV is the flow of air in standard ft³/min for each psi of inlet pressure

**Design leak rate**
- Bubble Tight

**Weight**
- 1.8 kg

**Installation dimensions**
- WxHxD: 220 mm x 140 mm x 125 mm

**Design features**
- Suitable for ultra high inlet & outlet pressures
- Inlet filter for maximum reliability
- Ultrasonically cleaned for high purity gas handling
- Individually tested and certified to assure maximum leak-tightness and reliability
- Outlet diaphragm valve for maximum safety
- Panel mounting facility using 2 threaded holes in the rear of the regulator
- High standard finish

---

**Ordering information**

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Recommended outlet pressure range (bar.g)</th>
<th>Design capacity at maximum outlet pressure (*) (Nm³/h)</th>
<th>Inlet gauge range (bar.g)</th>
<th>Outlet gauge range (bar.g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1307</td>
<td>5 to 70</td>
<td>85</td>
<td>0 to 420</td>
<td>0 to 100</td>
</tr>
<tr>
<td>R1308</td>
<td>10 to 172</td>
<td>202</td>
<td>0 to 420</td>
<td>0 to 315</td>
</tr>
</tbody>
</table>

(*) For outlet pressure drops, refer to the flow curves.

---

**OPTIONS**

- Cleaning for oxygen service
- Helium leak rate certification
- Extra 5 micron inlet filter
- Purge system (see datasheet)
- Compression fitting on outlet (available in various sizes)

---

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Cylinder regulator
*R1400 Series*

This series of stainless steel single-stage ultra high pressure regulators is recommended for use with high purity gases and corrosive gas mixtures but excluding oxygen service. The regulator is specifically designed for a maximum inlet pressure of 415 bar.g and a maximum outlet pressure of 172 bar.g.
**Specifications**

**Material**
- Body: 316L stainless steel
- Bonnet: nickel plated brass
- Seat: Teflon®
- Inlet filter: 316L stainless steel
- Gauge: 316L stainless steel, 64 mm diameter
- Outlet valve: 316L stainless steel

**Pressure/Temperature rating**
- Maximum inlet pressure: 415 bar.g
- Temperature range: -26 °C to +75 °C

**Connections**
- Inlet: cylinder connection
- Outlet: 1/4 inch NPT male

**Flow**
- CV=0.06
- The flow coefficient CV expresses the flow capability of the regulator.
- CV is the flow of air in standard ft³/min for each psi of inlet pressure

**Design leak rate**
- Bubble Tight

**Weight**
- 1.8 kg

**Installation dimensions**
- WxDxH: 220 mm x 140 mm x 125 mm

**Design features**
- Suitable for ultra high inlet & outlet pressures
- Inlet filter for maximum reliability
- Ultrasonically cleaned for high purity gas handling
- Individually tested and certified to assure maximum leak-tightness and reliability
- Outlet diaphragm valve for maximum safety
- Panel mounting facility using 2 threaded holes in the rear of the regulator
- High standard stainless steel finish

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**Ordering information**

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Recommended outlet pressure range (bar.g)</th>
<th>Design capacity at maximum outlet pressure (*) (Nm³/h)</th>
<th>Inlet gauge range (bar.g)</th>
<th>Outlet gauge range (bar.g)</th>
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</thead>
<tbody>
<tr>
<td>R1407</td>
<td>5 to 70</td>
<td>85</td>
<td>0 to 420</td>
<td>0 to 100</td>
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<tr>
<td>R1408</td>
<td>10 to 172</td>
<td>202</td>
<td>0 to 420</td>
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</tbody>
</table>

(*) For outlet pressure drops, refer to the flow curves.

**OPTIONS**

- D: Helium leak rate certification
- F: Extra 5 micron inlet filter
- G: Purge system (see datasheet)
- H: Compression fitting on outlet (available in various sizes)

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