Compact size/low weight/In-line units

High flow performance

Suitable for panel and wall mounting

Two gain flow control

Adjustment can be locked

Captive regulator needle will not blow out when unscrewed

Adjusting knob position line

Technical Data

Medium:
Compressed air, filtered, lubricated or non lubricated, inert gases.

Operation:
Uni-directional flow control.

Mounting:
In-line. Panel mounted by hexagonal mounting nut. Wall mounted by through-holes in regulator body.

Port size: BSPP and NPT

<table>
<thead>
<tr>
<th>Size</th>
<th>Model</th>
<th>(Not Available)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M5</td>
<td>T1000M0500</td>
<td></td>
</tr>
<tr>
<td>1/8</td>
<td>T1000C1800</td>
<td>T1000A1800</td>
</tr>
<tr>
<td>1/4</td>
<td>T1000C2800</td>
<td>T1000A2800</td>
</tr>
<tr>
<td>3/8</td>
<td>T1000C3800</td>
<td>T1000A3800</td>
</tr>
<tr>
<td>1/2</td>
<td>T1000C4800</td>
<td>T1000A4800</td>
</tr>
</tbody>
</table>

Operating pressure:
1-10 bar (0.3-10 bar for M5)

Operating Temperature:
-20°C to 80°C
Consult our technical service for use below +2°C

Materials
M5: Aluminium body, Nitrile seals, brass needle internal and external parts.
1/8, 1/4, 3/8, 1/2: Aluminium alloy body, Nitrile seals, brass needle and internal parts, external parts in aluminium alloy.

Ordering Information
To order, quote product number from table overleaf:
e.g. T1000C1800 for 1/8 BSPP model.
T1000A2800 for 1/4 NPT model.

Alternative Models:
M/800 range of heavy duty regulators see page 5.9.051.01
M/600 range of heavy duty panel mounting flow regulators.
see page 5.9.041.01
S/518 Precision flow regulator (air & hydraulic)
see page 5.9.031.01
Block Form Flow Regulators

General Information

<table>
<thead>
<tr>
<th>Port</th>
<th>Maximum Regulating Flow Factor</th>
<th>Critical Pressure Ratio (b)</th>
<th>Free Flow Factor</th>
<th>Critical Pressure Ratio (b)</th>
<th>Minimum Operating Pressure (bar)</th>
<th>Opening Pressure (bar)</th>
<th>Weight (gms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M5</td>
<td>0,28</td>
<td>0,2</td>
<td>0,28</td>
<td>0,3</td>
<td>0,3</td>
<td>30</td>
<td>20</td>
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<tr>
<td>1/8</td>
<td>0,57</td>
<td>0,2</td>
<td>1,50</td>
<td>0,3</td>
<td>1,0</td>
<td>&lt;0,1</td>
<td>31</td>
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<tr>
<td>1/4</td>
<td>1,30</td>
<td>0,2</td>
<td>2,80</td>
<td>0,69</td>
<td>1,0</td>
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<tr>
<td>3/8</td>
<td>4,80</td>
<td>0,2</td>
<td>6,70</td>
<td>1,64</td>
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<td>150</td>
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<tr>
<td>1/2</td>
<td>7,50</td>
<td>0,2</td>
<td>8,30</td>
<td>2,00</td>
<td>1,0</td>
<td>&lt;0,1</td>
<td>180</td>
</tr>
</tbody>
</table>

*C: measured in dm³/(s.bar)

**Cv: measured in US gal/min

Model T1000M0500

Model T1000C or T1000A

Model T1000M0500

Model T1000C or T1000A

Our policy is one of continuous research and development. We therefore reserve the right to amend, without notice, the specifications given in this document.
Flow vs Turns at 6 bar (drop pressure = 6 - 0 bar)

**T1000M0500 (M5)**

Flow in dm³/s ANR

**T1000*1800 (1/8 BSPP, NPT)**

Flow in dm³/s ANR

**T1000*2800 (1/4 BSPP, NPT)**

Flow in dm³/s ANR

**T1000*3800 (3/8 port)**

Flow in dm³/s ANR

**T1000*4800 (1/2 port)**

Flow in dm³/s ANR

For details of NPT flow factors see General information table above

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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 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 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.