FEATURES

- The Flowtronic® consists of a fast, direct-acting 2-port proportional valve, a pressure sensor unit and digital control electronics
- Especially designed for applications placing extreme dynamic demands on flow control
- Control and maintenance of constant and even flow, irrespective of outside influences
- Precise measurement of flow with two sensors
- Adaptable to different applications due to the use of digital control electronics that can be configured by PC over a USB interface
- Auto-tune function and ASCO FlowCom PC software provide for quick and easy start-up
- Diagnosis over integrated LEDs or the ASCO FlowCom PC software

GENERAL

Fluid
Air or neutral gases, filtered at 50 µm, without condensate, lubricated or not

Minimum allowable pressure
4 bar

Maximum allowable pressure (MAP)
8 bar

Control range
5 - 2000 l/min (ANR), consult us for other ranges

Fluid temperature
0°C to +50°C

Ambient temperature
0°C to +40°C

Setpoint - analog
0 - 10 V (100 kΩ), 0/4 to 20 mA (resistance 250 Ω)

Feedback - analog
0 - 10 V, 0/4 to 20 mA (max. load 500 Ω)

Flow accuracy
- Hysteresis: ± 3%
- Linearity: ± 3%
- Repeatability: ± 1.5%

Calibration conditions
Ambient temperature
22,5°C ±2.5°C

Fluid
Air

Dynamic performance
Response time
< 200 ms

Other features
Auto-tune, error display by LED

CONSTRUCTION

Body
Aluminium

Internal parts
Aluminium, stainless steel and brass

Seals
NBR (nitrile)

ELECTRICAL CHARACTERISTICS

nominal diameter DN voltage * max. power (W) max. current (mA) insulation class degree of protection electrical connection

<table>
<thead>
<tr>
<th>pipe size</th>
<th>DN</th>
<th>flow (1)</th>
<th>max. inlet pressure</th>
<th>catalogue number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4</td>
<td>G</td>
<td>2 5 - 50</td>
<td>8</td>
<td>60701073, 60701081, 60701089, 60701074, 60701082, 60701090</td>
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<tr>
<td></td>
<td>3</td>
<td>10 - 100</td>
<td>8</td>
<td>60701055, 60701063, 60701071, 60701056, 60701064, 60701072</td>
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<tr>
<td></td>
<td>5</td>
<td>20 - 500</td>
<td>8</td>
<td>60701019, 60701027, 60701035, 60701020, 60701028, 60701036</td>
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<tr>
<td>3/8</td>
<td>8</td>
<td>50 - 1000</td>
<td>8</td>
<td>60701037, 60701045, 60701053, 60701038, 60701046, 60701054</td>
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<tr>
<td>1/2</td>
<td>8</td>
<td>100 - 2000</td>
<td>8</td>
<td>60701091, 60701099, 60701107, 60701092, 60701100, 60701108</td>
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</tbody>
</table>

(1) Measurement without flow restriction at the outlet.

All leaflets are available on: www.asco.com
**CONNECTOR PINNING / CABLE WIRING**

<table>
<thead>
<tr>
<th>pin</th>
<th>description</th>
<th>5-wire cable (2m)</th>
<th>6-wire cable (5m, 10m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>24V voltage supply</td>
<td>brown</td>
<td>brown</td>
</tr>
<tr>
<td>2</td>
<td>Analog setpoint input</td>
<td>white</td>
<td>white</td>
</tr>
<tr>
<td>3</td>
<td>Supply ground</td>
<td>blue</td>
<td>green</td>
</tr>
<tr>
<td>4</td>
<td>Analog output (feedback)</td>
<td>black</td>
<td>pink</td>
</tr>
<tr>
<td>5</td>
<td>Digital output (pressure switch)</td>
<td>grey</td>
<td>grey</td>
</tr>
</tbody>
</table>

Body | EMC shield                                        | shield            | shield                 |

* A 6-wire cable with separate analog ground is used for cable lengths over 2 m to set off the voltage drop for the setpoint.

**DIMENSIONS (mm), WEIGHT (kg)**

Weight: 1.85 kg

**ACCESSORIES**

<table>
<thead>
<tr>
<th>description</th>
<th>catalogue number</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLOWTRONIC&lt;sup&gt;D&lt;/sup&gt; software &quot;ASCO-FlowCom-Light&quot; - CD-ROM</td>
<td>88100895</td>
</tr>
<tr>
<td>FLOWTRONIC&lt;sup&gt;D&lt;/sup&gt; software &quot;ASCO-FlowCom-Expert&quot; - CD-ROM</td>
<td>88100896</td>
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<tr>
<td>USB cable for connection of FLOWTRONIC&lt;sup&gt;D&lt;/sup&gt; to PC</td>
<td>88100897</td>
</tr>
<tr>
<td>Straight M12 female connector, 5 pins, with screw terminals</td>
<td>88100256</td>
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<tr>
<td>Supply cable 2 m, 5 x 0.25 mm&lt;sup&gt;2&lt;/sup&gt;, straight connector</td>
<td>88100726</td>
</tr>
<tr>
<td>Supply cable 5 m, 6 x 0.56 mm&lt;sup&gt;2&lt;/sup&gt;, straight connector</td>
<td>88100728</td>
</tr>
<tr>
<td>Supply cable 10 m, 6 x 0.56 mm&lt;sup&gt;2&lt;/sup&gt;, straight connector</td>
<td>88100730</td>
</tr>
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</table>

* (optional) G 1/2 adapter (88160701) or G 3/8 adapter (88160702)

* (optional) M4 for earth screw