

Pressure regulator checklist (03/2010)  
analog regulators



Company: \_\_\_\_\_  
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**Flow rate** at inlet pressure 6 bar and **Connection thread**

- |   |   |
|---|---|
| <input type="checkbox"/> max. 28 l/min RM100/.../B0 1/8"      | <input type="checkbox"/> max. 28 l/min RP020 Ø4mm           |
| <input checked="" type="checkbox"/> max. 300 l/min RP200 1/8" | <input type="checkbox"/> max. 800 l/min RP201 1/8"          |
| <input type="checkbox"/> max. 1800 l/min RP300 1/4"           | <input type="checkbox"/> max. 7200 l/min RP500 1/2"         |
| <input type="checkbox"/> max. 680 m³/h RM100/.../B1 3/4"      | <input type="checkbox"/> max. 1100 m³/h RM100/.../B2 1"     |
| <input type="checkbox"/> max. 1100 m³/h RM100/.../B3 1-1/4"   | <input type="checkbox"/> max. 2700 m³/h RM100/.../B4 1-1/2" |
| <input type="checkbox"/> max. 2700 m³/h RM100/.../B5 2"       |   |

**Operation conditions**

Medium 23.0 Medium temperature 23.0 °C  
Operation temperature of the regulator 23.0 °C  
Supply pressure 40 bar

**Pressure Range** relative pressure

- 0-0,5 bar    0-1 bar    0-4 bar    0-6 bar    0-10 bar    0-14 bar  
 0-24 bar    50 bar

**Control signal** (set value)

- 0-10 V    0-20 mA    4-20 mA    internal Potentiometer (Option T)  
 4-20 V / (mA)

**Actual value output** (correspond to the set value, when required define other range)

- 4-20 V / (mA)

**Fall Safe** (In case of supply power failure)

- Pressure maintenance (The pressure will be constant with the models RP300, RP500 and RM100 with booster independent from the flow, with the RP200, RP201, RP020 and RM100 without booster only if there is no flow)  
 Pressure less (Secondary side will be exhaust)  
 Full pressure (The inlet pressure go through the regulator to the secondary side)

**Actual value input** (for external pressure transducer, the regulator has no internal pressure transducer)

- 0-10 V    0-20 mA    4-20 mA

Please note the second page !

### Soft start

3 sec. (standard) or \_\_\_\_\_ sec.

no

### Options

Connector instead of cable gland

Switching output (when actual value  $\pm 0,5\%$  = set value)

Display for the outlet pressure (not available for set value 4-20 mA)

### Description of the application

static (Pressure regulation in a closed volume, for example cylinders, pneumatic brake)

Volume in Liter 1.0

Time to fill on 4.0 bar in 0.5 sec.

Time to exhaust on 0 bar in 0.5 sec.

dynamic (applications with a flow like nozzles, air motors)

Flow \_\_\_\_\_  $\text{Nl/min} / \text{Nm}^3/\text{h}$

### Application sketch

Please specify following data

- diameter of the pipe on the inlet
- diameter of the pipe on the outlet
- consumer after the regulator
- length of the pipe between regulator and consumer
- valves and elements of the pipe after the regulator

