

## RM1

### Miniature precision regulators

- Miniature high performance regulator
- Precision pressure regulation
- Excellent flow, pressure drop and hysteresis
- Suitable for oxygen service
- Port size: M5, G1/8 or Cartridge style



#### 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)

##### Port size:

M5 or G1/8 (Body version)  
Alternative cartridge style

##### Flow range:

200 l/min - RM1L  
500 l/min - RM1H  
[P1 = 10 bar (145 psi) &  
P2 = 2 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

Type	Substitute
Low flow	L
High flow	H
Type	Substitute
Body M5	5M
Body G1/8	1G
Cartridge style	NN

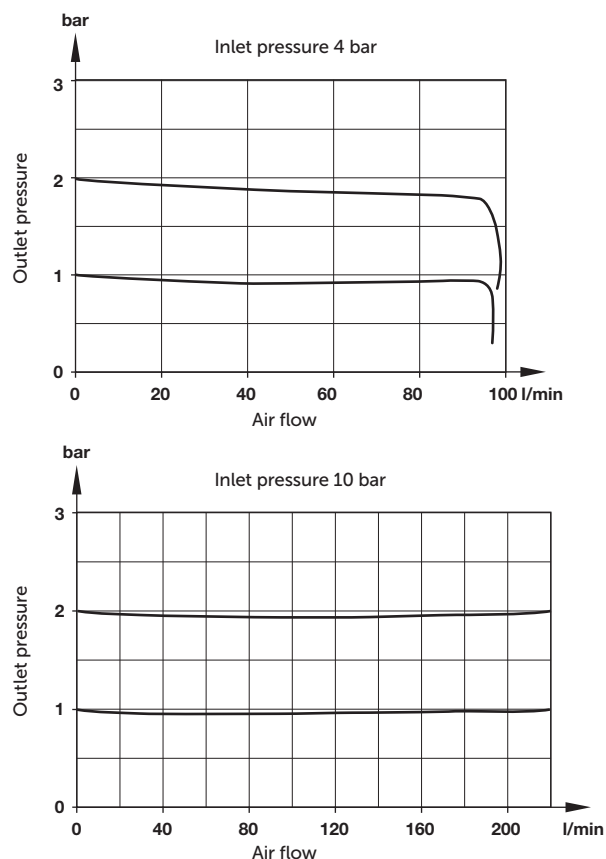
RM1★-★★★-N★V

Springs	Substitute
0,35 bar	A
2,00 bar	C
2,75 bar	D
4,00 bar	F
Adjustment	Substitute
Not preset	D
Preset	S

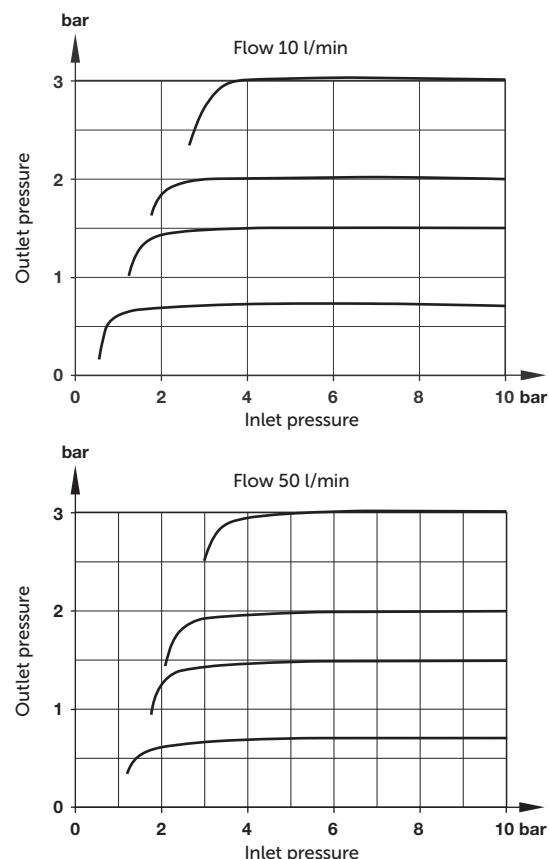
**Note:** For pre-set units the following information is required:  
Primary pressure ± Tolerance  
Pre-set pressure ± Tolerance  
Setting flow ± Tolerance

## Flow characteristics

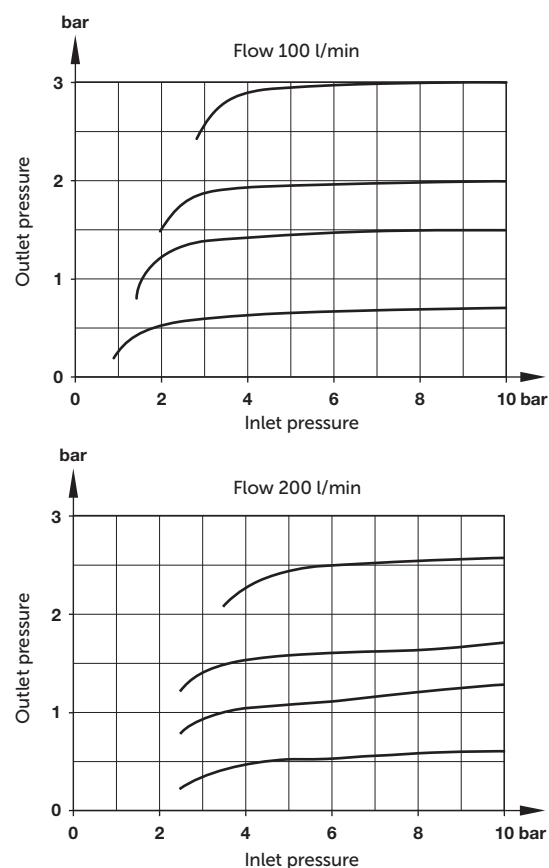
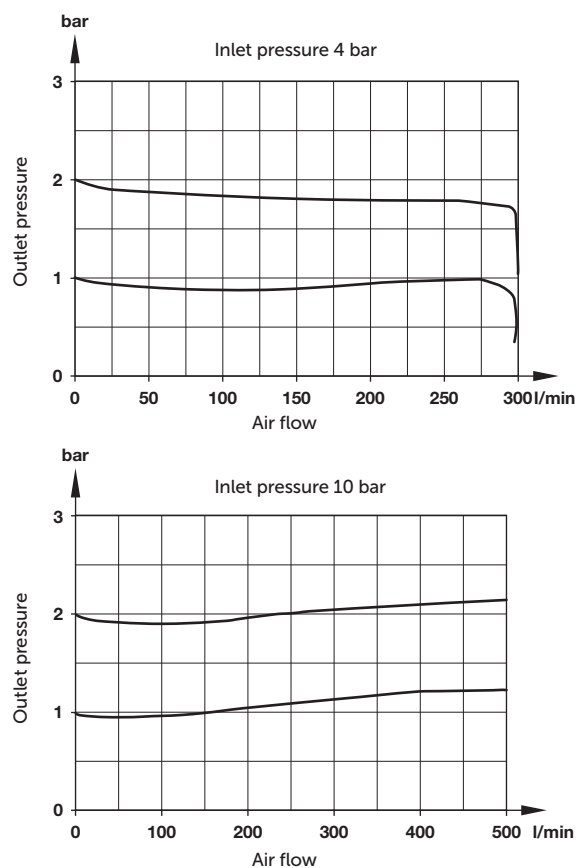
Model: RM1L...



## Regulation characteristics



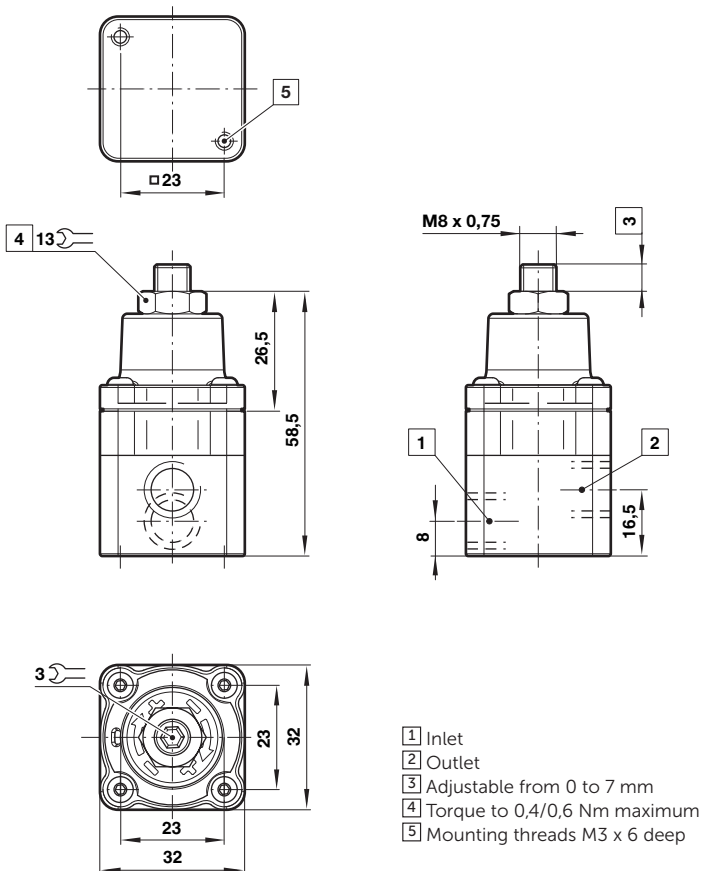
Model: RM1H...



## Dimensions

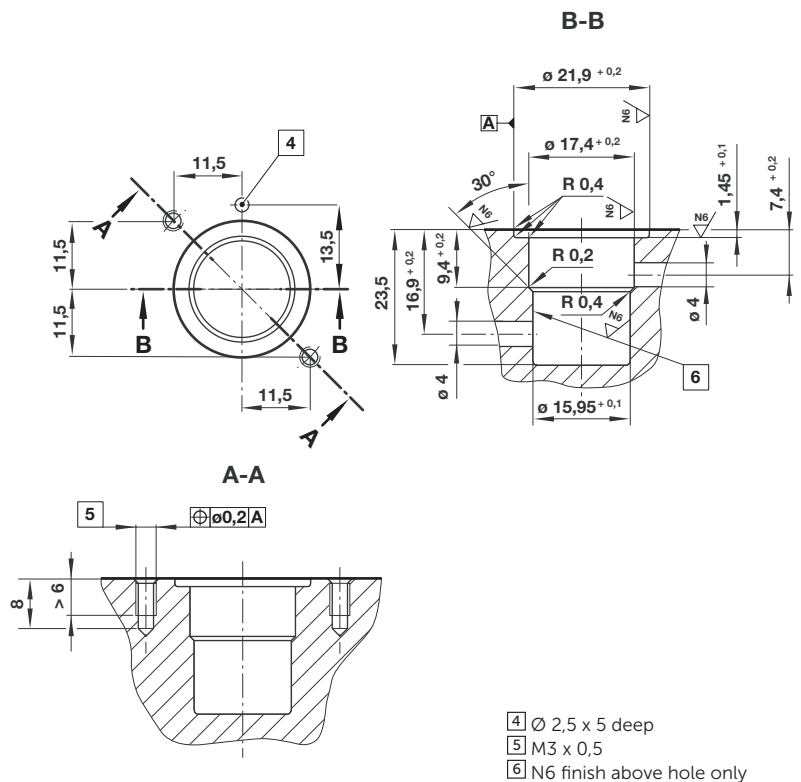
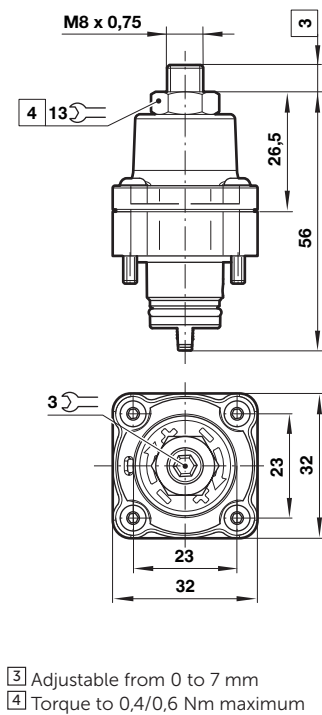
### Body version

Dimensions in mm  
Projection/first angle



### Cartidge style version

### Installation dimensions



## 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.