

Series PR precision regulators with manual override

Ports: G1/4



- » High precision
- » Triple diaphragm construction
- » Compact dimensions
- » Adjustment lock
- » Removable adjustment knob
- » Three ranges of pressure

Series PR precision pressure regulators work on a three diaphragms force-balance principle which allows them to react even to the smallest changes in pressure that can occur during operation.

GENERAL DATA

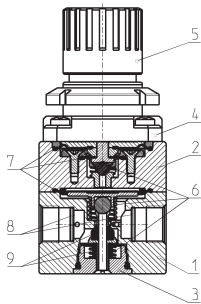
Construction	compact, diaphragm type
Materials	see the following page
Ports	G1/4
Mounting	vertical in-line, wall or panel mounting (in any position)
Working temperature	from 0°C to 50°C
Inlet pressure	0.1 + 9 bar
Outlet pressure	0.05 + 2 bar 0.05 + 4 bar 0.05 + 7 bar (standard)
Overpressure exhaust	with relieving (standard)
Nominal flow	see flow diagrams (following pages)
Media	filtered and not lubricated compressed air according to DIN ISO 8573-1 Classes 1-3-2
Hysteresis	20mbar
Repeatability	±0.2% FS
Bleed air consumption	≤ 5 l/min

CODING EXAMPLE

PR	1	04	-	M	07
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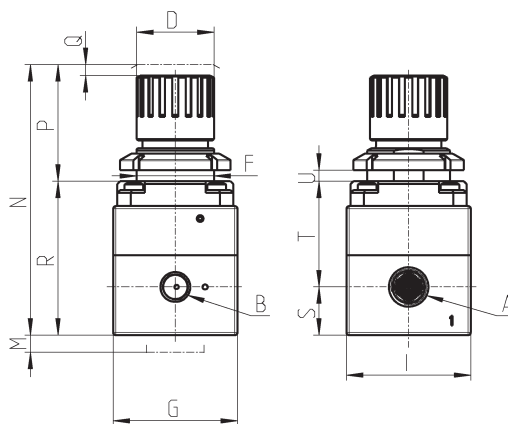
PR	SERIES
1	SIZE: 1 = Size 1
04	PORTS: 04 = G1/4
M	TYPE OF ADJUSTMENT: M = manual
07	OPERATING PRESSURE (1 bar = 14,5 psi): 02 = 0.05 + 2 bar 04 = 0.05 + 4 bar 07 = 0.05 + 7 bar (standard)

Series PR precision regulators - materials



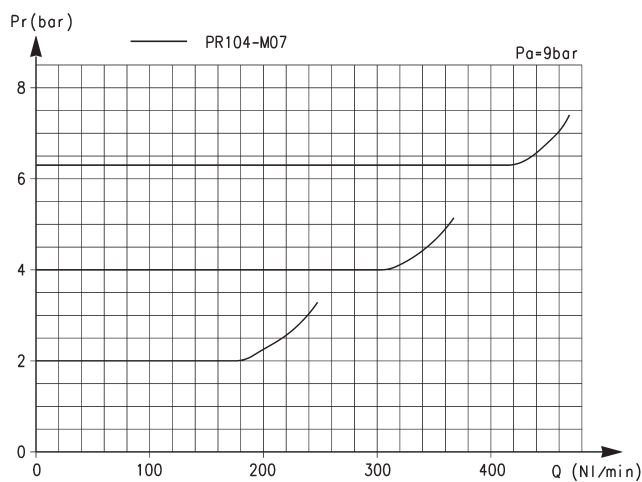
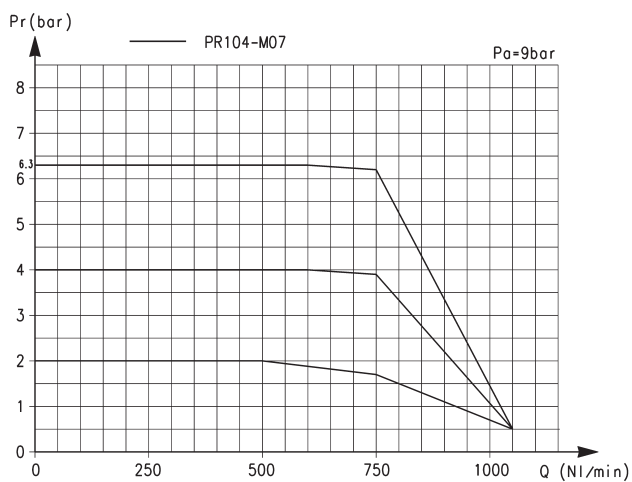
PARTS	MATERIALS
1 = Body	Anodized aluminium
2 = Intermediate body	Aluminium
3 = Valve holder plug	Brass
4 = Bell	Polyamide
5 = Regulator knob	Polyamide
6 = Springs	Stainless steel
7 = Diaphragms	NBR
8 = Filters	Stainless steel
9 = Seals	NBR
O-ring	NBR

Series PR precision regulators - dimensions



DIMENSIONS																
Mod.	A	B	D	F	G	I	M	N	P	Q	R	S	T	U	Weight (Kg)	
PR104-M07	G1/4	G1/8	28	30	45	45	25	96	40	2	56	17.5	38.5	0-6	0.35	

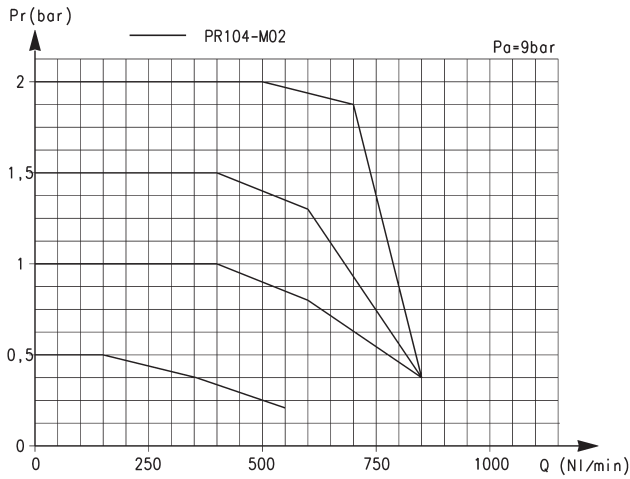
Mod. PR104-M07 FLOW DIAGRAMS (STANDARD VERSION)



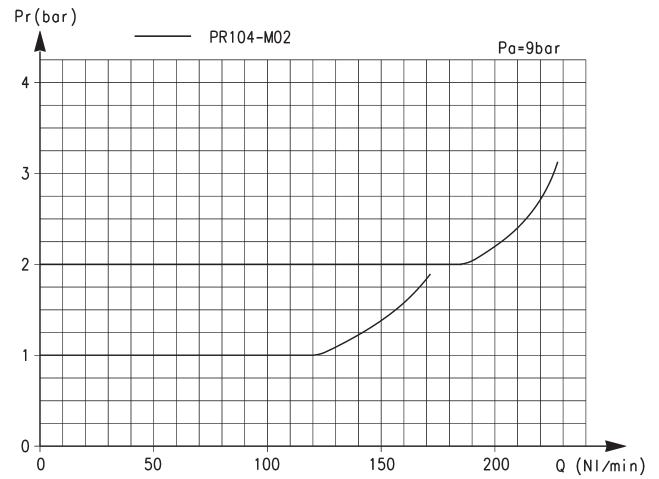
Pr = Regulated pressure
 Q = Flow
 Pa = Inlet pressure

EXHAUST FLOW DIAGRAM
 Pr = Regulated pressure
 Q = Flow
 Pa = Inlet pressure

Mod. PR104-M02 FLOW DIAGRAMS

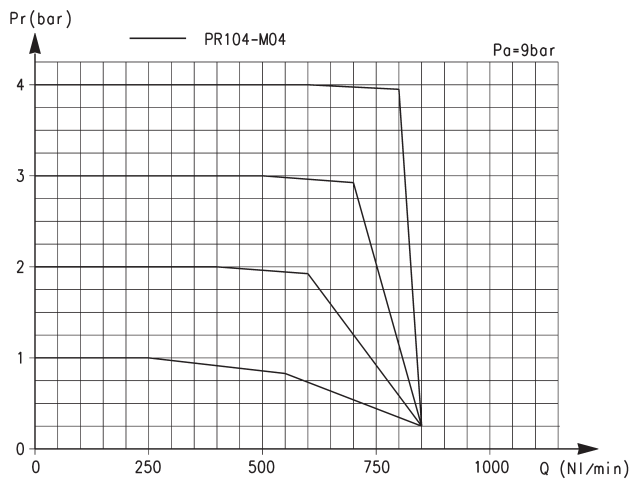


Pr = Regulated pressure
Q = Flow
Pa = Inlet pressure

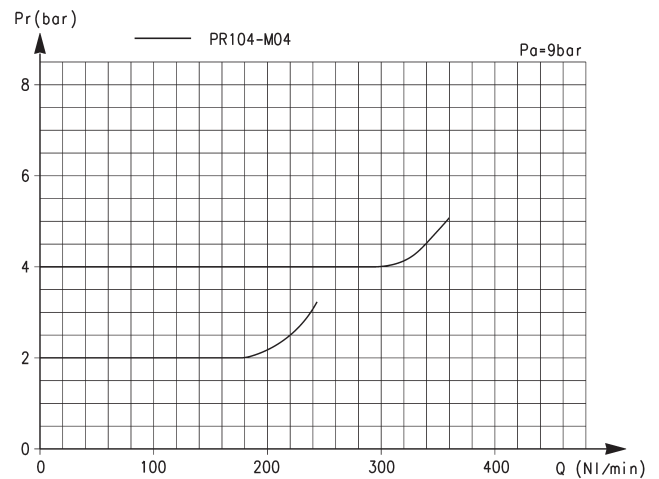


EXHAUST FLOW DIAGRAM
Pr = Regulated pressure
Q = Flow
Pa = Inlet pressure

Mod. PR104-M04 FLOW DIAGRAMS



Pr = Regulated pressure
Q = Flow
Pa = Inlet pressure



EXHAUST FLOW DIAGRAM
Pr = Regulated pressure
Q = Flow
Pa = Inlet pressure