Series PR Precision Regulators with manual override

Ports: G1/4

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

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

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

Series PR, Manual Override		
0158		bar
PR104-M02	1/4"	0.05 to 2
PR104-M04	1/4"	0.05 to 4
PR104-M07	1/4"	0.05 to 7

Working Temperature:
0°C to +50°C

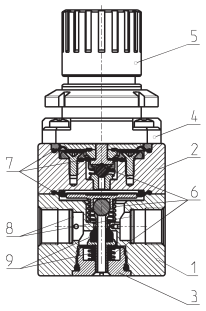
GENERAL DATA

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

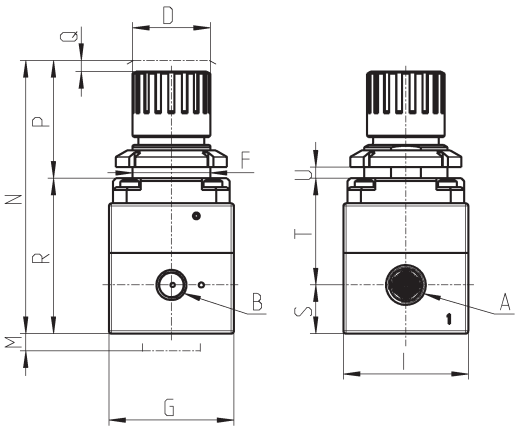
CODING EXAMPLE

PR	1	04	-	M	07

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)

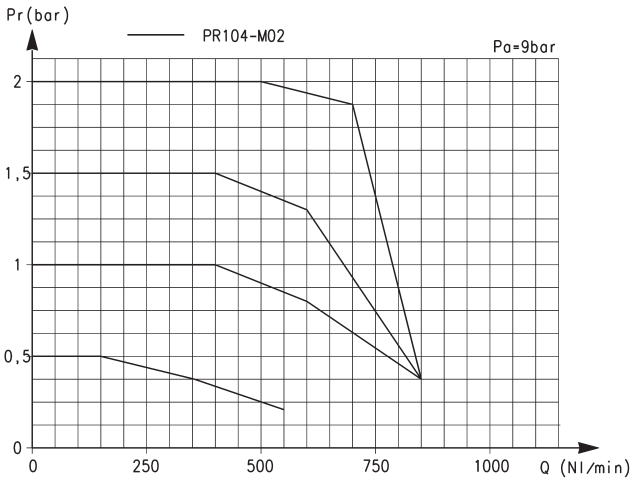


PARTS	MATERIALS
1 = Body	Anodized aluminium
2 = Intermediate body	Aluminium
3 = Valve holder plug	Brass
4 = Bell	Polyamide
5 = Regulator knob	Polyamide
6 = Springs	Stainless steel
7 = Diaphragms	NBR
8= Filters	Stainless steel
9 = Seals	NBR
O-ring	NBR



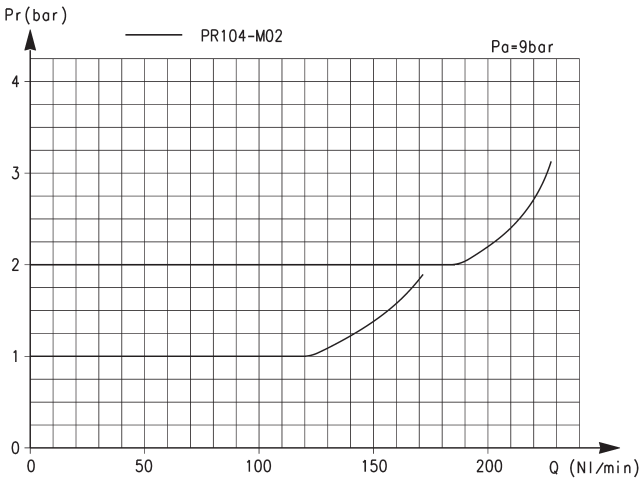
DIMENSIONS															
Mod.	A	B	D	F	G	I	M	N	P	Q	R	S	T	U	Weight (Kg)
PR104-M07	G1/4	G1/8	28	30	45	45	25	96	40	2	56	17.5	38.5	0-6	0.35

Mod. PR104-M02 FLOW DIAGRAMS



Pr = Regulated pressure
Q = Flow

Pa = Inlet pressure

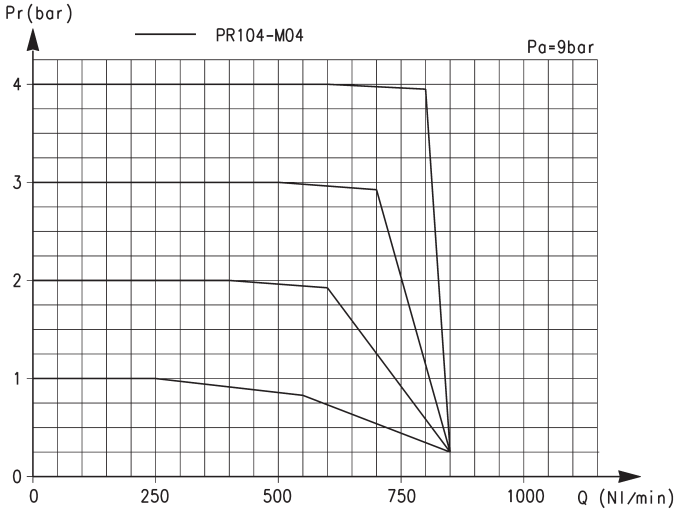


EXHAUST FLOW DIAGRAM

Pr = Regulated pressure
Q = Flow

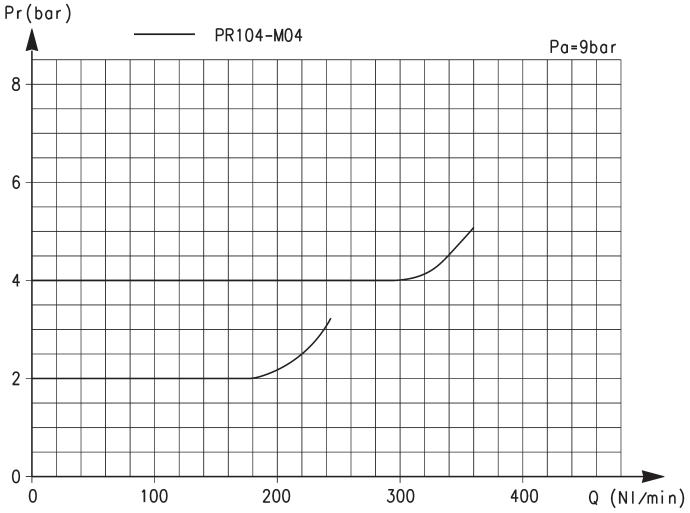
Pa = Inlet pressure

Mod. PR104-M04 FLOW DIAGRAMS



Pr = Regulated pressure
Q = Flow

Pa = Inlet pressure



EXHAUST FLOW DIAGRAM

Pr = Regulated pressure
Q = Flow

Pa = Inlet pressure