High sensitive pressure regulator for manipulation applications

- Accurate capacity to maintain set pressure
- Sensitivity combined with high relieving rates
- High flow rate with extremely low pressure drop
- Manual and piloted adjustment for structure and load balancing
- Aluminium body
- Construction with controlled refiel
- Manual adjustment: 5 Bar Maximum
- Pilot adjustment: 5 Bar Maximum
- Hysteresis ±0.01bar

Technical characteristics	Size
	Size 3
Body and connections type	Aluminium body, integrated aluminium connections
IN / OUT / EXH connections	G1/2" (IN and OUT) / G3/8 (EXH)
Pilot connection	G1/8
Assembly configuration	Stand alone With fixing bracket
Assembly position	Indifferent
Fluid	20μ filtered air and preferably non lubricated
Air flow with inlet pressure 10 bar (Nl/min)	5
Pressure range (bar)	0.1 - 5 (max manual adjustment) / 0.1 - 8 (max pilot adjustment)
Regulation	Manual (for balancing of the structure) Piloted (for load balancing)
Pressure measurement	G1/8" Pressure gauge connection port
Max. fittings torque IN / OUT connections	G1/2" metal: 30 G3/8" metal: 25

Operational characteristics	Size
	Size 3
Maximum working pressure (bar)	10
Minimum working pressure (bar)	OUT pressure + 1 bar
Working temperature (°C)	-5 ... +70
Sensitivity	0.2% F.S
Repeatability	±0.5% F.S
Hysteresis	± 0.01 bar

Weights	Size
	Size 3
Aluminium body version (g)	1600

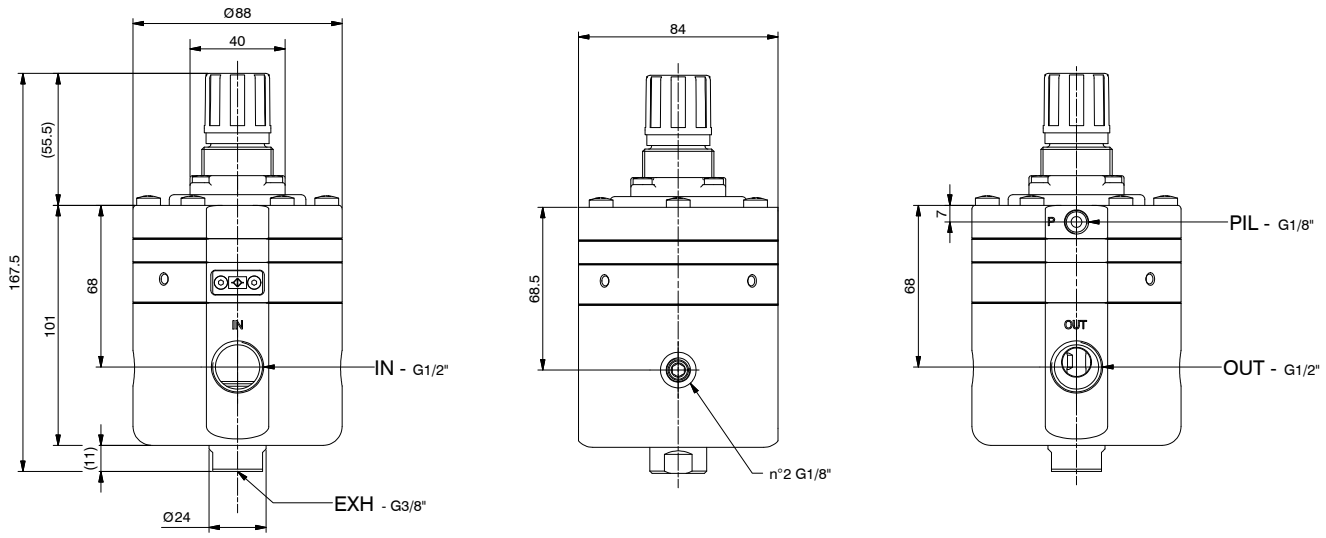
Order codes

RB17 | 3B | R2C

Size, body and connections	
3B	Aluminium body, connections G1/2" (only for size 3)

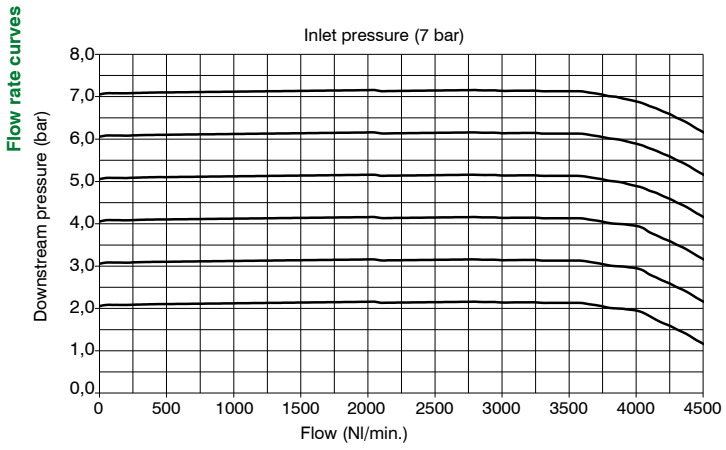
Example: RB173BR2C
Size 3, high sensitive pressure regulator for manipulation applications, aluminium body, G1/2" connections

Dimensions



Size 3

Characteristic curves



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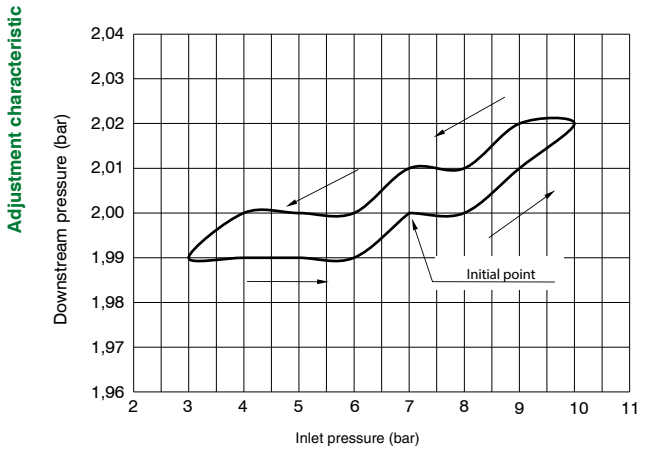

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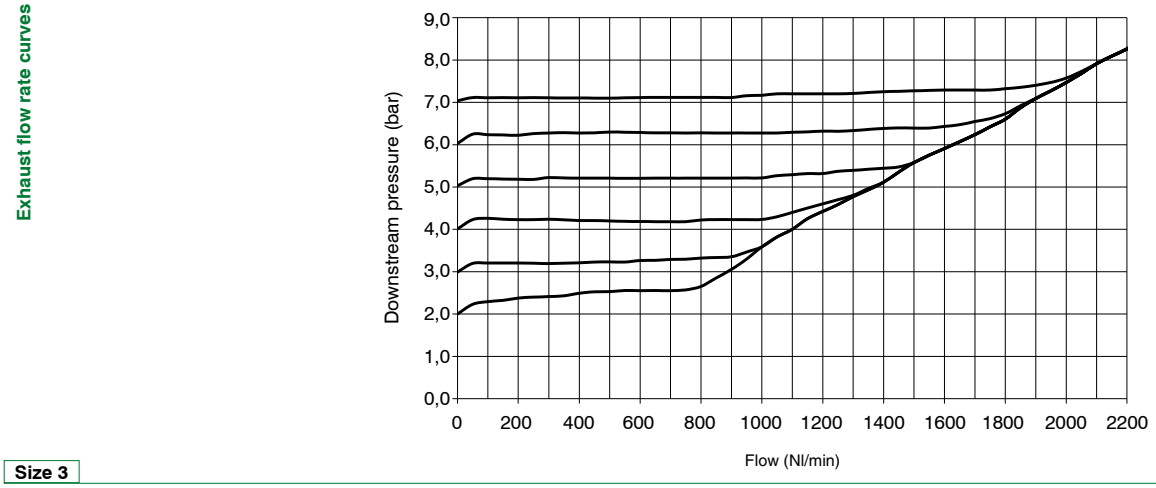
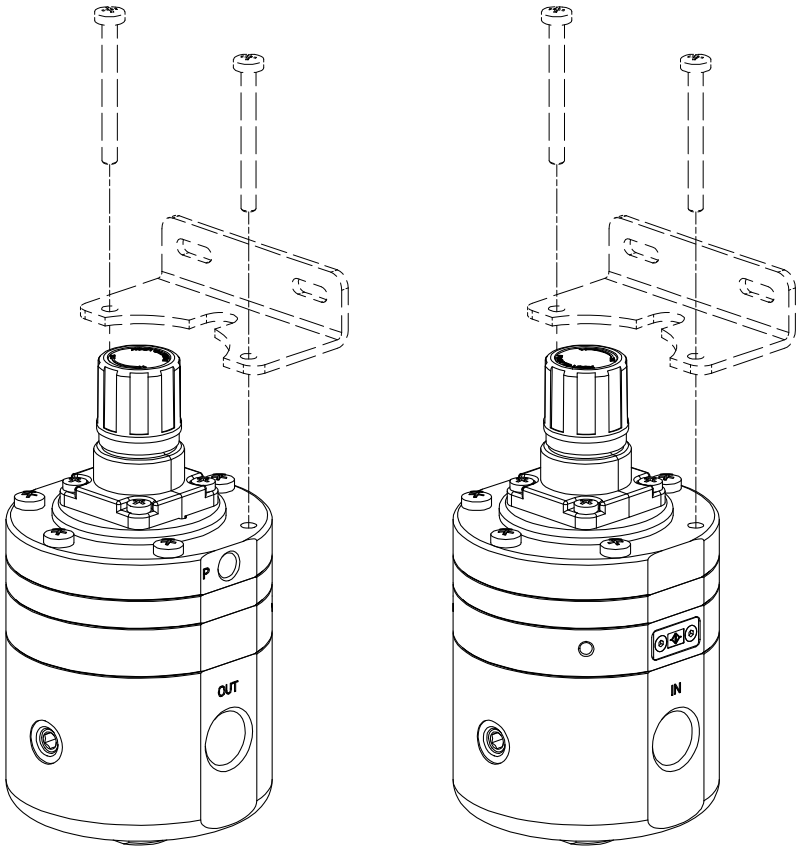


Size 3

Accessories and fixing

The regulator can be mounted by means of a bracket. To enable fixing, unscrew the two screws indicated and screw them back with the bracket mounted. It is advisable to apply soft thread-locker to the screws before screwing them back in.



Fixing bracket

RB17350

Model	
RB17350	Fixing bracket for the high sensitive pressure regulator for manipulation applications