

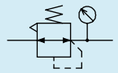
Compact piston regulator

RA800 Series

Regulator with small size, light weight and improved operation.

● Port Size : Rc1/8, Rc1/4

Circuit Diagram Symbol



RoHS

Model No. Notation

RA800 - 6 - P - G

- RA800: Model No.
- 6: ❶ Port Size
- P: ❷ Option
- G: ❸ Accessories

❶ Port Size

Code	Content
6	Rc1/8
8	Rc1/4

❷ Option

*1

Type	Code	Content	
Panel mount	Blank	No nut	
	P	With nut *2	
Pressure Range	Blank	0.05 to 0.85 MPa (Pressure Gauge : G49D-8-P10)	
	L	0.05 to 0.35 MPa (Pressure Gauge : G49D-8-P04)	
Relief	Blank	Relief Type	
	N	Non-relief Type	

*1 : When selecting options for several Items, list options in order from the top.
*2 : The "B" bracket included with the attachment is available only for option code "P" (panel mount).

❸ Accessories

	Code	Content	
	Blank	None	
*1	G	Pressure gauge (G49D-8-P10)	
*2	B	Bracket (RA800-BA083)	

*1 : If "L" is selected for the pressure range option, the pressure gauge for low pressure (G49D-8-P04) will be used.
*2 : " The "B" bracket included is available only for the option code"P" (panel mount).

Specifications

Item		RA800	
Operating fluid		Compressed Air	
Max. Operating pressure MPa		1.0	
Proof Pressure MPa		1.5	
Ambient/Fluid Temperatures °C		5 to 60	
Set Pressure MPa		0.05 to 0.85	
Relief		With Relief Mechanism	
Port size	IN / OUT	Rc1/8	Rc1/4
	GAUGE	Rc1/4	
Weight g		110	

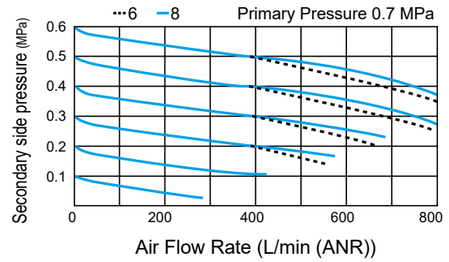
Option weight table

*Add to the Weight of the standard equipment.

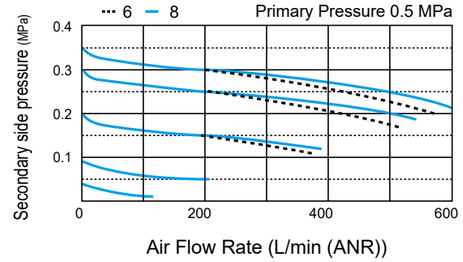
G	Pressure Gauge	86 g
B	Bracket	30 g

Flow characteristics

● For standard

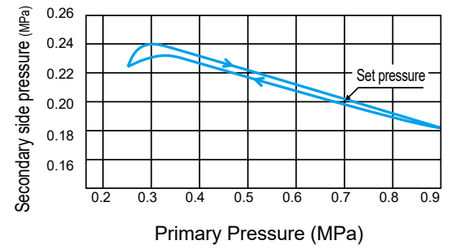


● For low pressure : L

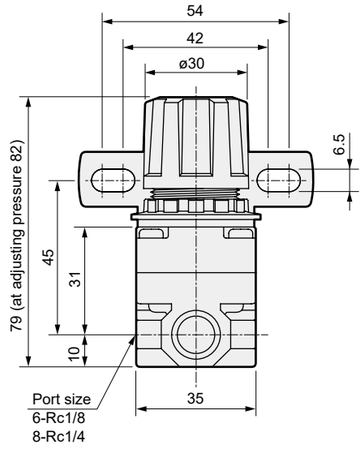


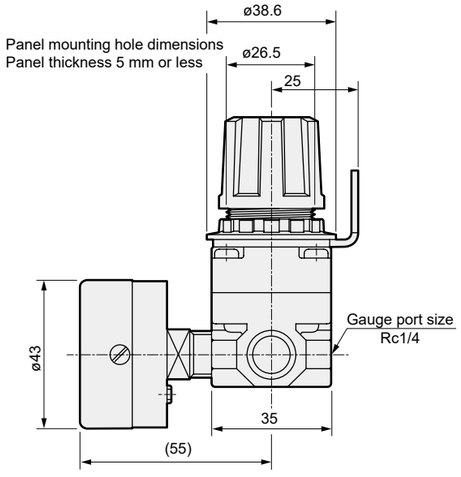
Note) Air flow rate is shown with atmospheric pressure conversion value L/min. (ANR).

Pressure Characteristics



Dimensional Drawings

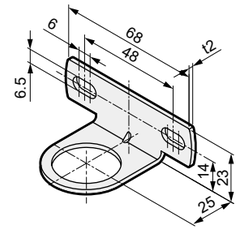




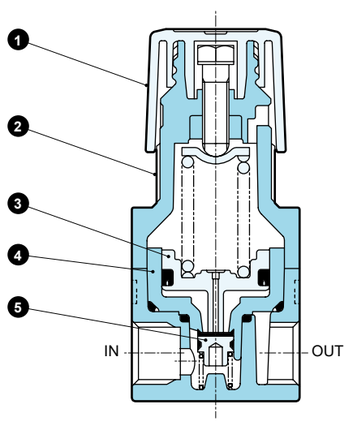
* B : Bracket, G : Pressure gauge, P : The panel mount is optional.

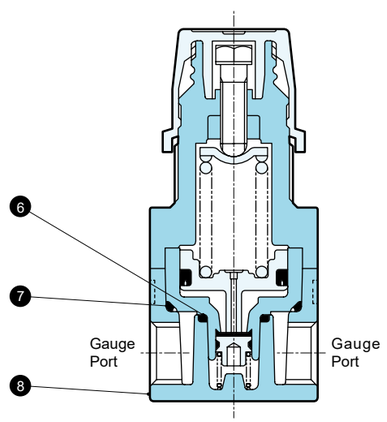
● Bracket : RA800-BA083

• Material : Steel
Zinc Plating Treatment



Internal Structure Diagram / Material





Part No.	Part Name	Material	Part No.	Part Name	Material
1	Knob	Polyacetal Resin	5	Valve element	Brass/hydrogenated nitrile rubber
2	Cover	Polyamide resin	6	O-ring	Nitrile Rubber
3	Piston Assembly	Polyacetal resin, nitrile rubber	7	O-ring	Nitrile Rubber
4	Piston Guide	Polyphenylene sulfide resin	8	Body	Aluminum alloy die-cast

Pneumatic components (F.R.L. unit (Compact))

To Use This Product Safely

Be sure to read this before use.
For general pneumatic components precautions, see Intro 27 for details.

For precautions regarding mounting, installation, adjustment, operation, and maintenance, please refer to the CKD Components Product Site(https://www.ckd.co.jp/kiki/en/) → 'model No.' → Instruction Manual.