



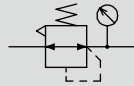
Compact piston regulator

RA800 Series

Regulator with small size, light weight and improved operation.

● Port size: Rc1/8, Rc1/4

JIS symbol



Specifications

Item		RA800	
Working fluid		Compressed air	
Max. working pressure MPa		1.0 (≈150 psi, 10 bar)	
Proof pressure MPa		1.5 (≈220 psi, 15 bar)	
Ambient/fluid temp °C		5 (41°F) to 60 (140°F)	
Set pressure MPa		0.05 (≈7.3 psi, 0.5 bar) to 0.85 (≈120 psi, 8.5 bar)	
Pressure relief		With relief mechanism	
Port size	IN/OUT	Rc1/8	Rc1/4
	GAUGE	Rc1/4	
Weight g		110	

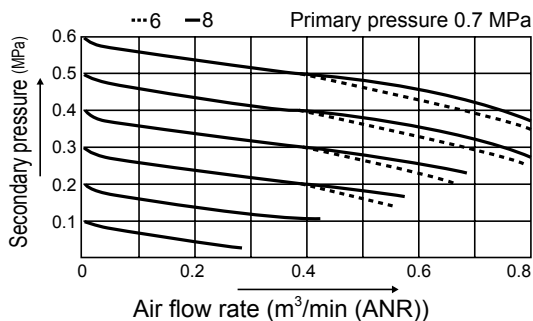
Option weight

* Add to the weight of the standard accessories.

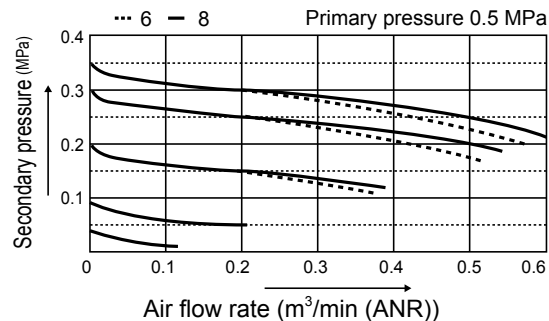
G	Pressure gauge	86 g
B	Bracket	30 g

Flow characteristics

● For standard

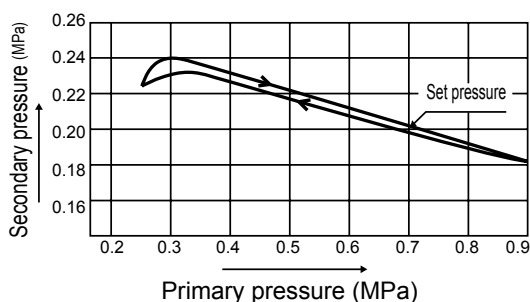


● For low pressure: L



* Air flow rate is shown with atmospheric pressure conversion value m³/min. (ANR).

Pressure characteristics



How to order

RA800 - 6 - P - G

Model No.

A Port size

B Option
*1

C Included product

Code	Description
A Port size	
6	Rc1/8
8	Rc1/4
B Option	
Panel mount	Blank Without nut
*2	P With nut
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)
Pressure relief	Blank Relief
	N Non-relief
C Included product	
Blank	None
G	*3 Pressure gauge (G49D-8-P10)
B	*2 Bracket (RA800-BA083)

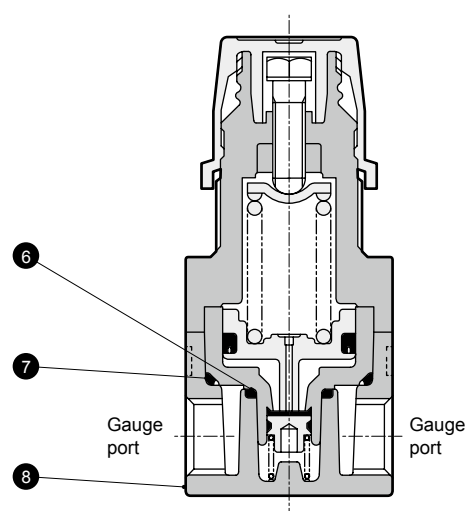
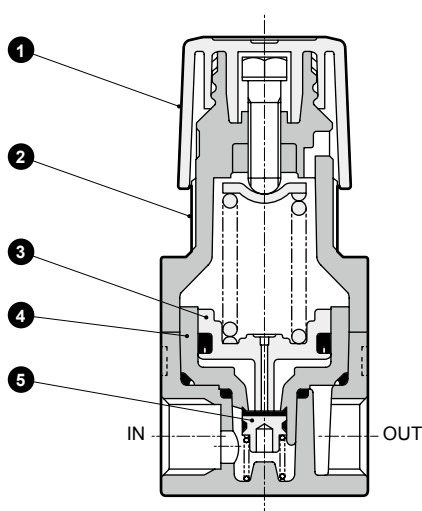
⚠ Precautions for model No. selection

*1: When selecting options for several items, list options in order from the top.

*2: "B" bracket attached is available only for option code P (panel mount).

*3: If "L" is selected for the pressure range option, the low-pressure gauge (G49D-8-P04) will be used.

Internal structure and parts list

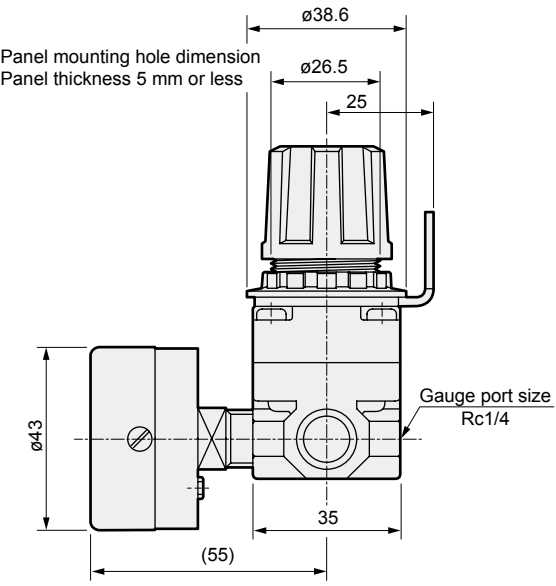
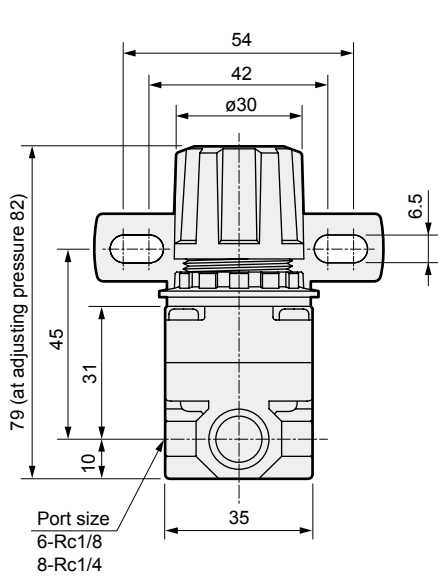


No.	Part name	Material	No.	Part name	Material
1	Knob	Polyacetal resin	5	Valve element	Copper alloy/hydrogenated nitrile rubber
2	Cover	Polyamide resin	6	O-ring	Nitrile rubber
3	Piston assembly	Polyacetal resin, nitrile rubber	7	O-ring	Nitrile rubber
4	Piston guide	Polyphenylene sulfide resin	8	Body	Aluminum alloy die-casting

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filtr
Film
Resist FR
Oil-ProhR
Med
Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PresCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRISens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending



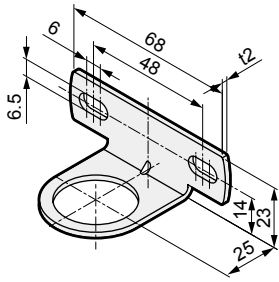
Dimensions



* B: bracket, G: pressure gauge, P: panel mount are optional.

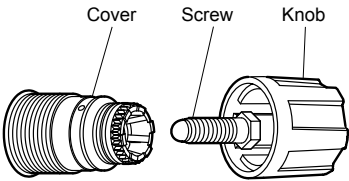
● Bracket: RA800-BA083

Material: Steel
Zinc plated



Cautions for use and maintenance

To install this product on a panel or wall bracket, when disassembling the knob, if the screw has come out, insert the screw into the knob or the cover until it clicks.



F.R.L.
F.R.
F (Filtr
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PresCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRISens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending