



Relief valve

B6061 Series

If the pressure increases, the compressed air is released to the atmosphere to maintain the set pressure.

● Port size: Rc1/8 to Rc1/4

JIS symbol



Specifications

1 MPa = 10 bar

Item	B6061-1C/2C	
Working fluid	Compressed air	
Max. working pressure	MPa	0.7 (≈100 psi, 7 bar)
Proof pressure	MPa	1.5 (≈220 psi, 15 bar)
Ambient / fluid temperatures	°C	5 (41°F) to 65 (149°F)
Set pressure	MPa	0.04 (≈5.8 psi) to 0.69 (≈100 psi)
Relief flow	ℓ/min ANR	150 (at rising pressure 0.078 MPa (≈11 psi))
Port size	Rc	1/8 / 1/4
Weight	kg	0.29

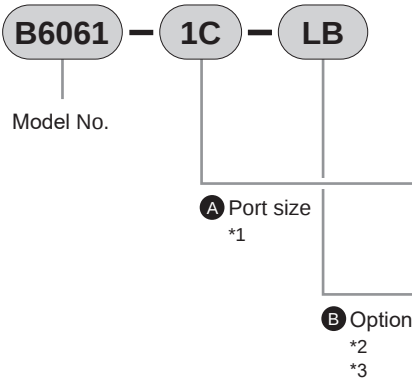
Option weight

* Add to the weight of the standard accessories.

Unit: kg

	Panel mount	Pressure gauge	Bracket
Code	P	G	B
B6061	0	0.086	0.035

How to order



[Example of model No.]

B6061-1C-LB

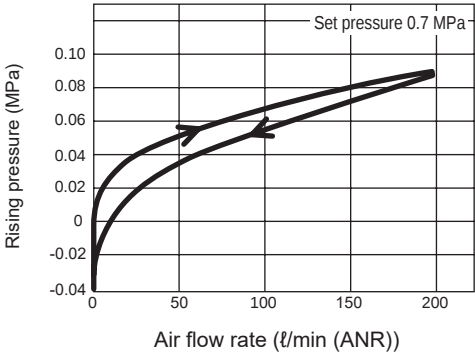
Model: Relief valve, miniature

A Port size: Rc 1/8

B Option...Low pressure, bracket included

Flow characteristics

● B6061



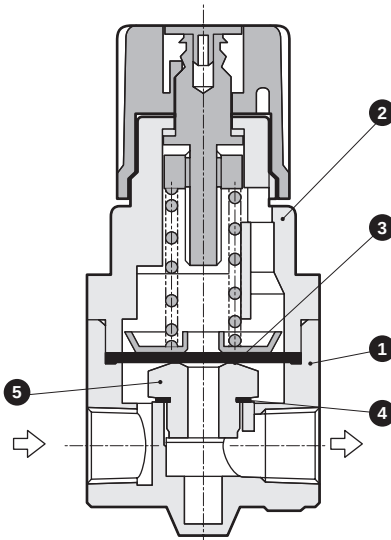
Code	Description	
A Port size		
1C	Rc1/8	
2C	Rc1/4	
B Option		
Relief valve	Blank	Standard
	L	Low pressure (0.04 to 0.34 MPa)
	P	Panel mount
Incl prod	Blank	Not included
	G	Pressure gauge (G49D-6-P10)
	B	Bracket

⚠ Precautions for model No. selection

- *1 : If port size NPT thread is required, do not indicate nominal size C.
(Example) B6061-1
If a pressure gauge is selected, the NPT thread pressure gauge is enclosed.
- *2 : Pressure gauge for "LG" is 0 to 0.4 MPa.
- *3 : The pressure gauge supplied for low pressure is G49D-6-P04. Refer to related products (page 363) for pressure gauge specifications.
- *4 : If option B (bracket) is selected, a 6506 bracket is enclosed, while if PB (bracket for panel mount) is selected, a 6166 bracket is enclosed. Refer to page 423 for the included product "B" bracket.

Internal structure and parts list

● B6061



No.	Part name	Material
1	Body	Zinc die-casting
2	Cover	Zinc die-casting
3	Diaphragm assembly	Nitrile rubber/copper alloy/zinc die-casting
4	Gasket	Nitrile rubber
5	Valve seat	Copper alloy

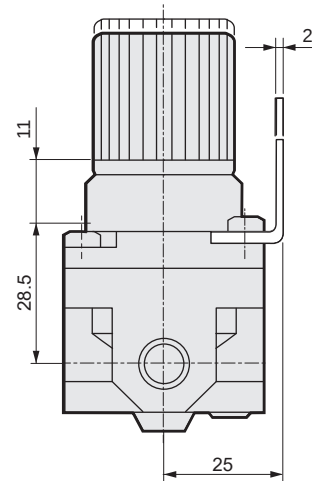
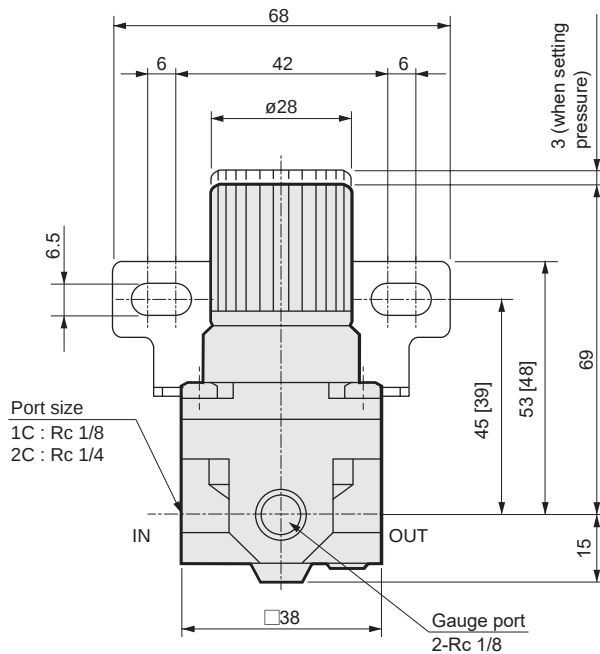
Repair parts list

No.	Part name	Model No.
		B6061
3	Diaphragm assembly	B6061-DIAPHRAGM-KIT

Dimensions



● B6061



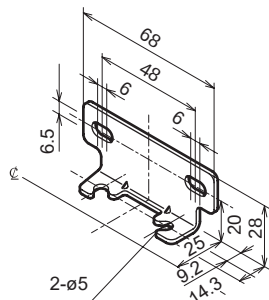
Dimensions shown in [] are for PB (bracket for panel mount)

● Wall bracket: 6506

·Material: Steel

Zinc plated

Bracket thickness 2 mm



* Tapping screw attached

● Wall bracket: 6166

·Material: Steel

Zinc plated

Bracket thickness 2 mm

