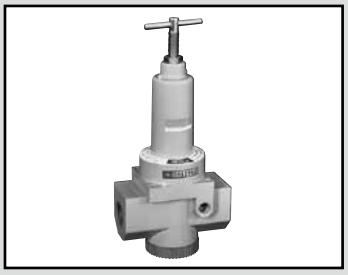
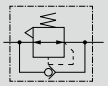


Reverse regulator (check valve integrated)

2415 Series

Smooth discharge of secondary pressure with check valve. No bypass circuit required and easy piping.

● Port size: Rc $^3/_4$ to Rc1 $^1/_4$

JIS symbol 

RoHS CAD

Specifications

Item		2415-6C/8C/10C
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 temperatures	°C	5 (41°F) to 65 (149°F)
Set pressure	MPa	0.07 (≈10 psi, 0.7 bar) to 0.83 (≈120 psi, 8.3 bar)
Pressure relief		With relief mechanism
Port size	Rc	$^3/_4$, 1, 1$^1/_4$
Weight	kg	2.5

*1: Refer to the following graph for the set pressure range for back pressure.
*2: Pressure gauge for "LG" is 0 to 0.4 MPa.

Option weight

* Add to the weight of the standard accessories. Unit: kg

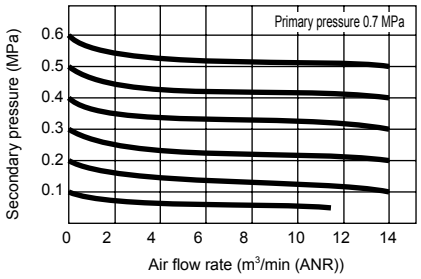
Plastic knob	Pressure gauge
K	G
0.01	0.114

Ozone-proof specifications (Ending Page 17)

2415– ..... – P11

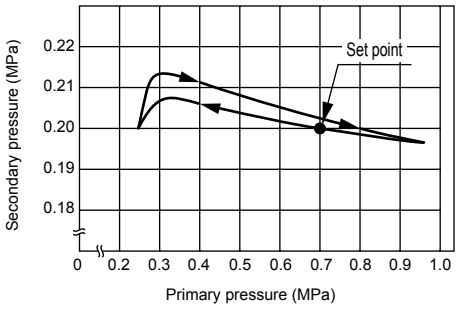
Flow characteristics

● 2415-6C/8C/10C Rc$^3/_4$, 1, 1 $^1/_4$



Pressure characteristics

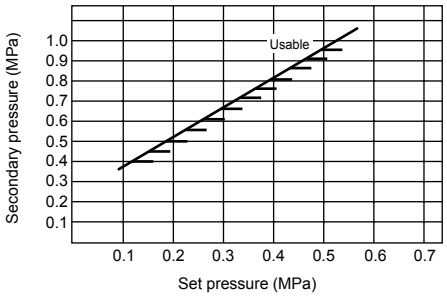
● 2415



Note on model No. selection

Always refer to the following graph for the set pressure range for back pressure.
For example, if the set pressure of a model 2415 is set to 0.67 MPa and the secondary side back pressure increases more than 0.42 MPa, the secondary pressure is not released to the primary side.

● Set pressure range to back pressure



How to order

2415 – 6C – NKG

- 2415: Model No.
- 6C: Ⓐ Port size *1
- NKG: Ⓑ Option *2 *3 *4

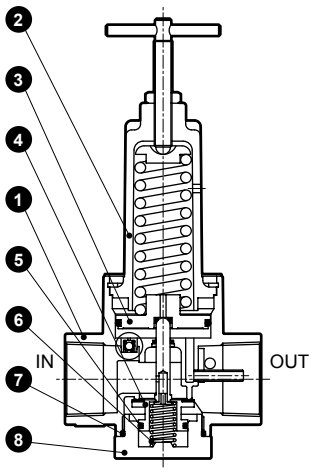
[Example of model No.]
2415-6C-NKG
Model: Reverse regulator (check valve integrated)
Ⓐ Port size: Rc $^3/_4$
Ⓑ Option: Non-relief, plastic knob, pressure gauge enclosed

Code		Description
Ⓐ Port size		
6C		Rc$^3/_4$
8C		Rc1
10C		Rc1 $^1/_4$
Ⓑ Option		
Regulator	**Blank**	Standard
	N	Non-relief
	K	Plastic knob
Included product	**Blank**	Not included
	G	Pressure gauge

⚠ Precautions for model No. selection

*1 : If port size NPT thread is required, do not indicate nominal size C. (Example) 2415-6
If a pressure gauge is selected, the NPT thread pressure gauge is enclosed.
*2 : Options can be combined.
*3 : If the option code "G" is indicated, a pressure gauge is enclosed.
The pressure gauge supplied is G59D-8-P10 (G59D-8-P04 for low pressure). Refer to related products (page 363) for pressure gauge specifications.
*4 : Contact CKD when assembly products are required.

Internal structure

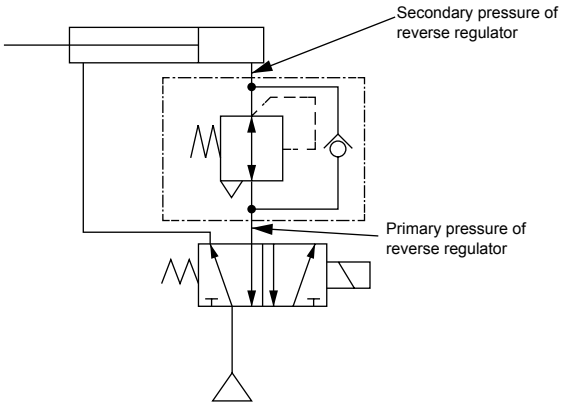


No.	Part name	Material	
		2215	2216
1	Body	Zinc alloy die-casting	
2	Cover	Zinc alloy die-casting	
3	Piston assembly	Zinc alloy die-casting/nitrile rubber	
4	Valve assembly	Copper alloy/hydrogenated nitrile rubber	
5	O-ring	Fluoro rubber	
6	Bottom spring	Stainless steel	
7	O-ring	Nitrile rubber	
8	Bottom plug	Zinc alloy die-casting	

Applications

● Circuit diagram

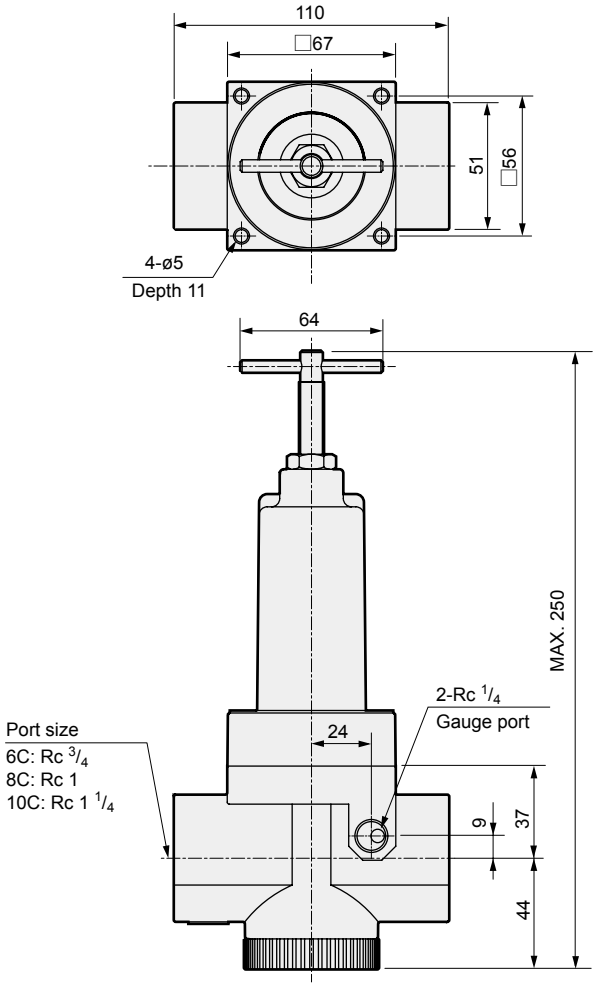
When cylinder head side and rod side pressures differ



Functions

If the primary pressure is applied from IN side, the check ball is forced upward to close as a regulator. If the pressure in the primary side is exhausted by the switching valve, the check ball is forced downward at the same time to exhaust the pressure in the piston chamber to the IN side, passing through the check valve. If the pressure in the piston chamber is exhausted, causing a pressure drop, the piston on the top is pushed down by the pressure adjustment spring and the valve seat section opens to exhaust the air on the OUT side.

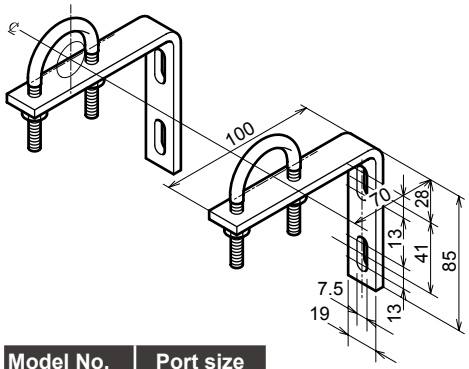
Dimensions CAD



● Pipe bracket: 6132

·Material: Steel
Zinc plated

Bracket - Pipe bracket thickness 4.5 mm



Model No.	Port size
6132-6C	3/4B
6132-8C	1B