

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 Filt
Film
Resist FR
Oil-ProhrR
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
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRtSens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending



Regulator Flame-resistant series

R3000/R4000/R8000-G4 Series

● Port size: 1/4 to 1

JIS symbol



Specifications

Item	R3000-G4	R4000-G4	R8000-G4
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 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 Rc,NPT,G	1/4,3/8 (1/2 uses an adaptor)	1/4,3/8,1/2 (3/4 uses an adaptor)	3/4,1 (1 1/4 uses an adaptor)
Weight kg	0.52	0.77	1.6
Standard specifications	Exterior: Flame-resistant material, nut for panel mounting		Exterior: Flame-resistant material

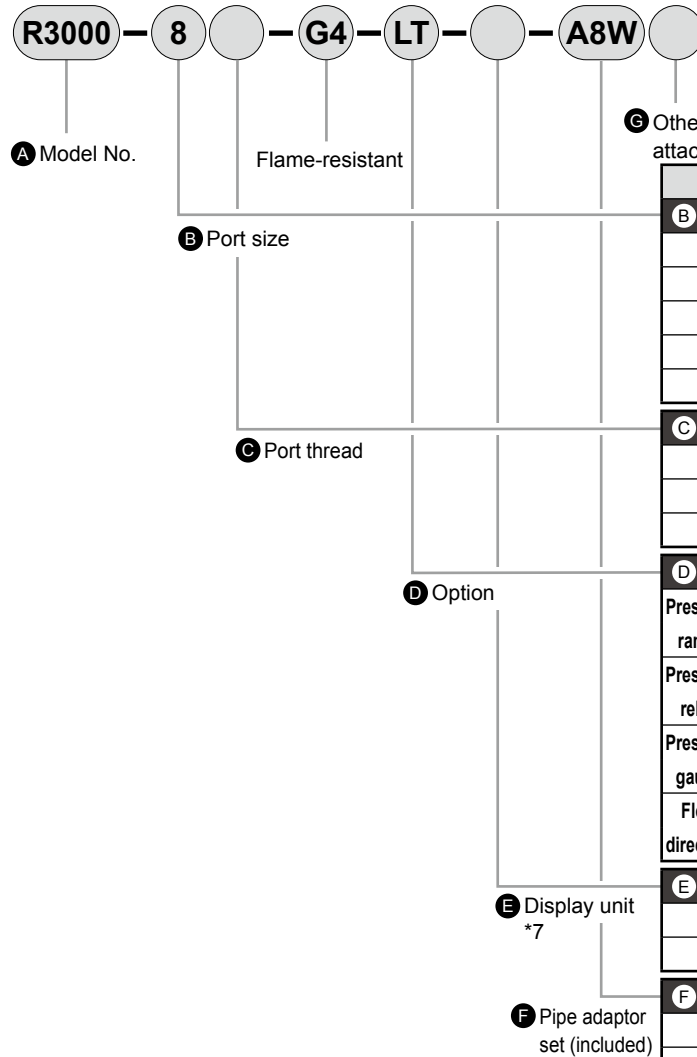
Option weight

* Add to the weight of the standard accessories.

Unit: kg

Code	Pressure gauge	Pipe adaptor set						Attachment			
	T*	A8*W	A10*W	A15*W	A20*W	A25*W	A32*W	BW	B3W	G49P	G59P
R3000-G4	0	0.16	0.16	0.16				0.17	0.07	0.086	0.115
R4000-G4	0	0.16	0.16	0.16	0.16			0.21	0.11	0.086	0.115
R8000-G4	0				0.53	0.53	0.53	0.36		0.086	0.115

How to order



* Refer to page 30 for the explanation of the option.

A Model No.

R3000	R4000	R8000
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Code	Description	R3000	R4000	R8000
B Port size				
8	1/4	●	●	
10	3/8	●	●	
15	1/2		●	
20	3/4			●
25	1			●

C Port thread					*1
Blank	Rc thread	●	●	●	
N	NPT thread	●	●	●	
G	G thread	●	●	●	

D Option					*2
Pressure range	Blank	0.05 to 0.85 MPa	●	●	●
	L	0.05 to 0.35 MPa	●	●	●
Pressure relief	Blank	With relief mechanism	●	●	●
	N	Non-relief	●	●	●
Pressure gauge	T	No pressure gauge (gauge port (1/4) is assembled sealed)	●	●	●
	T8	Pressure gauge ready (gauge port (1/4) is left open)	●	●	●
Flow direction	Blank	Standard flow (left → right)	●	●	●
	X1	Reverse flow (right → left)	●	●	●

E Display unit					*7
Blank	MPa display (Rc thread), psi display (NPT thread), bar display (G thread)	●	●	●	
J1	MPa display (NPT, G thread)	●	●	●	

F Pipe adaptor set (included)					*4 Page 350
Blank	Not included	●	●	●	
A8*W	1/4 pipe adaptor set (white)	●	●		
A10*W	3/8 pipe adaptor set (white)	●	●		
A15*W	1/2 pipe adaptor set (white)	●	●		
A20*W	3/4 pipe adaptor set (white)		●	●	
A25*W	1 pipe adaptor set (white)			●	
A32*W	1 1/4 pipe adaptor set (white)			●	

* Adaptor thread				
Blank	Rc thread	●	●	●
N	NPT thread	●	●	●
G	G thread	●	●	●

G Other attachments					*6 Pages 346, 363
Blank	Not included	●	●	●	
BW	C type bracket (silver)	●	●	●	
B3W	*5 L type bracket (silver)	●	●		
G49P	G49D-8-P10(L:G49D-8-P04)	●	●	●	
G59P	G59D-8-P10(L:G59D-8-P04)	●	●	●	

⚠ Precautions for model No. selection

- *1: When G threads or NPT threads are selected, the IN, OUT and gauge ports are the targets.
- *2: When selecting options for several items, list options in order from the top.
- *3: The pressure gauge's indication range is 0 to 0.4 MPa for the option "L".
- *4: The pipe adaptor set and C type bracket cannot be used together.
- *5: For details on mounting the L type bracket, refer to (2. Regulator) of "⚠ Cautions and Installation & Adjustment" (page 357).
- *6: The pressure gauge (included) can be selected only when C Port thread is Rc thread.
- *7: Display unit options when selecting NPT threads: If Blank is selected, the pressure unit is psi and the temperature display unit is °F. When G thread and Blank display unit option are selected, the pressure unit will be bar and the temperature display unit will be °C. When NPT/G thread and "J1" display unit option are selected, the pressure unit will be MPa and the temperature display unit will be °C.

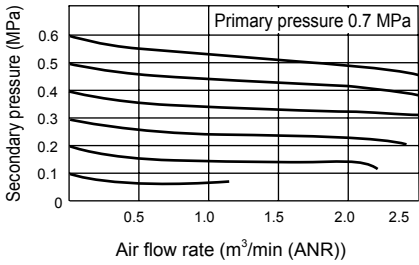
F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
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

Regulator series

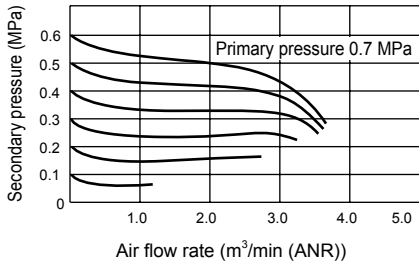
Flow characteristics

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 Filt
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
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRtSens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending

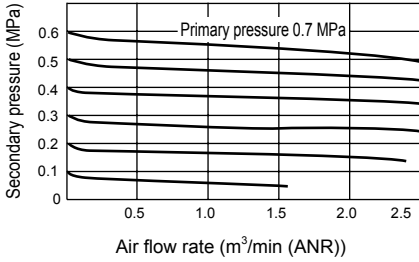
● R3000-8-G4



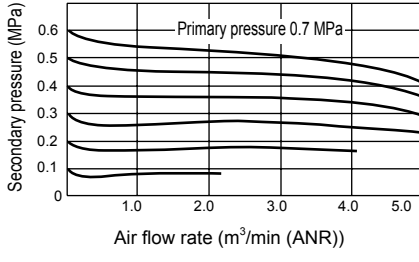
● R3000-10-G4



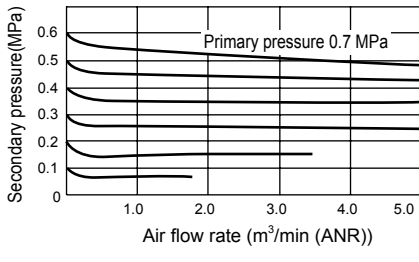
● R4000-8-G4



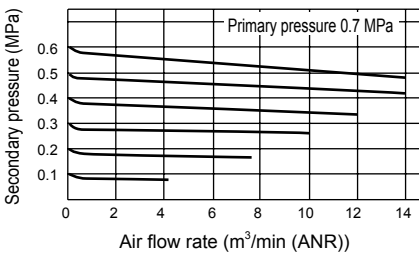
● R4000-10-G4



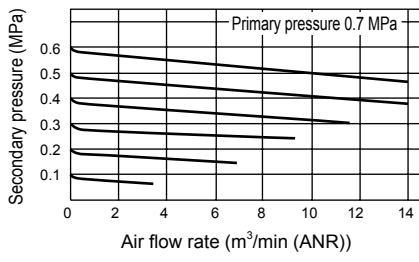
● R4000-15-G4



● R8000-20-G4

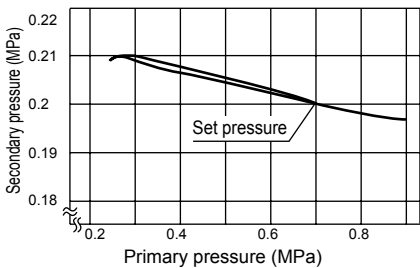


● R8000-25-G4

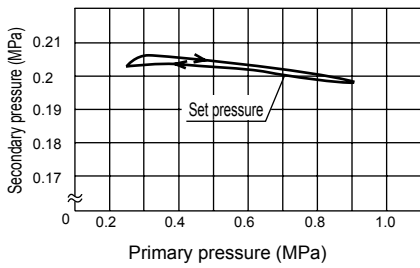


Pressure characteristics

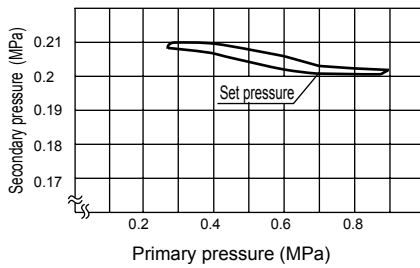
● R3000-G4



● R4000-G4

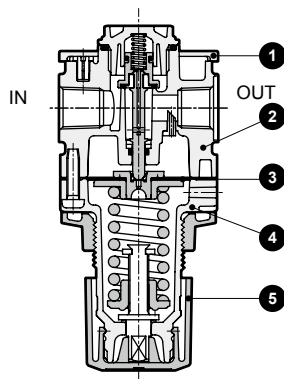


● R8000-G4

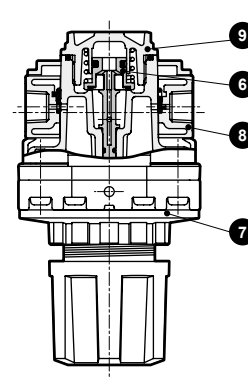
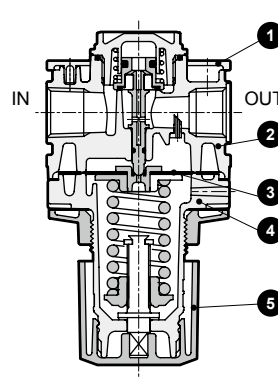


Internal structure and parts list

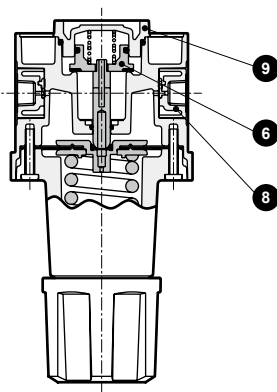
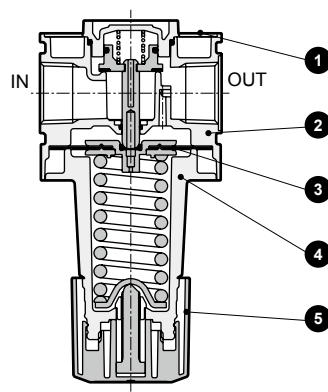
● R3000-G4



● R4000-G4



● R8000-G4



No.	Part name	Material		
		R3000-G4	R4000-G4	R8000-G4
1	Plate cover	ABS resin (*1)		
2	Body	Aluminum alloy die-casting		
3	Diaphragm assembly	Zinc alloy die-casting, nitrile rubber		
4	Cover	Aluminum alloy die-casting		
5	Knob	PBT resin (*1)		
6	Valve assembly	Copper alloy, hydrogenated nitrile rubber, polyacetal resin		
7	Mounting nut	PBT resin (*1)		-
8	Gauge plug assembly	Polyamide resin (*1), nitrile rubber, steel		
9	Bottom plug	Aluminum alloy die-casting		

*1: Flame-resistant resin, UL94 Standards V-0 or equivalent

*2: Refer to page 286 for repair parts.

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
PrecsCompn
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

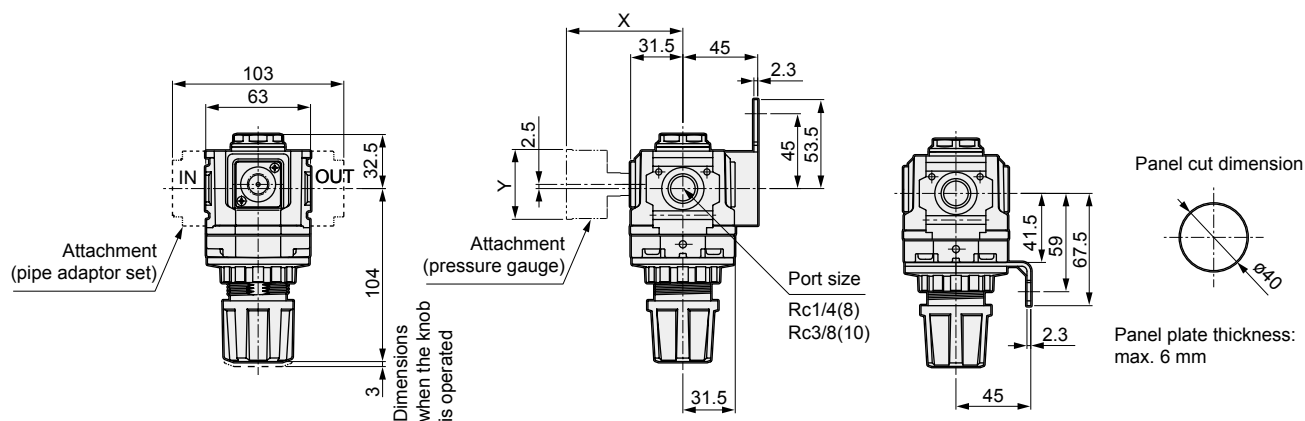
Regulator Series



F.R.L. Dimensions

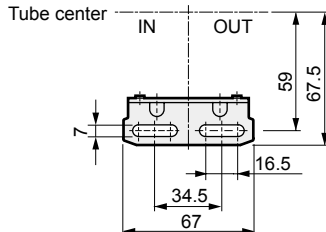
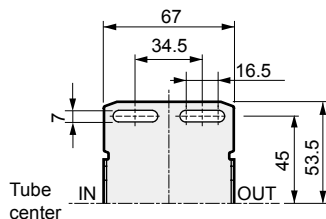
F.R. ● R3000-G4

F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-
remove Filt
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
ElecPneR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRtSens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending



- Attachment
- C type bracket (-BW)
- Part model No.: B320
- Material: Steel
- Zinc plated

- L type bracket (-B3W)
- Part model No.: B330
- Material: Steel
- Zinc plated

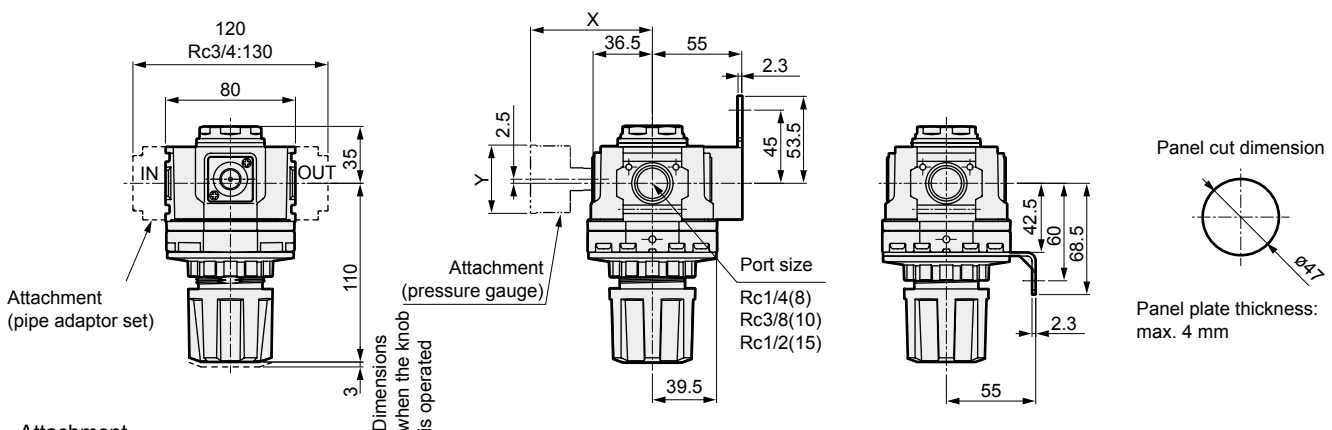


Pressure gauge attached optional dimensions table

Pressure gauge	X	Y
G49P	(69.5)	ø43.5
G59P	(72)	ø52

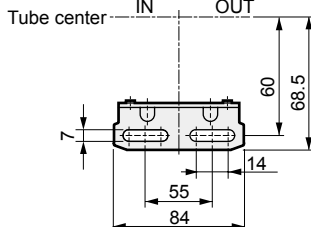
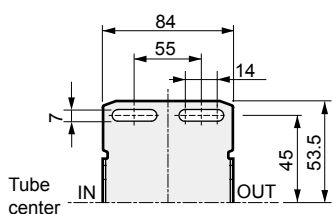
Note: The C type bracket and pipe adaptor set attachments cannot be used together.

● R4000-G4



- Attachment
- C type bracket (-BW)
- Part model No.: B420
- Material: Steel
- Zinc plated

- L type bracket (-B3W)
- Part model No.: B430
- Material: Steel
- Zinc plated



Pressure gauge attached optional dimensions table

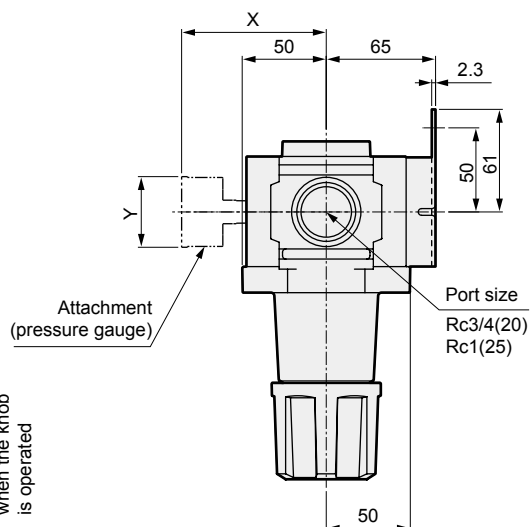
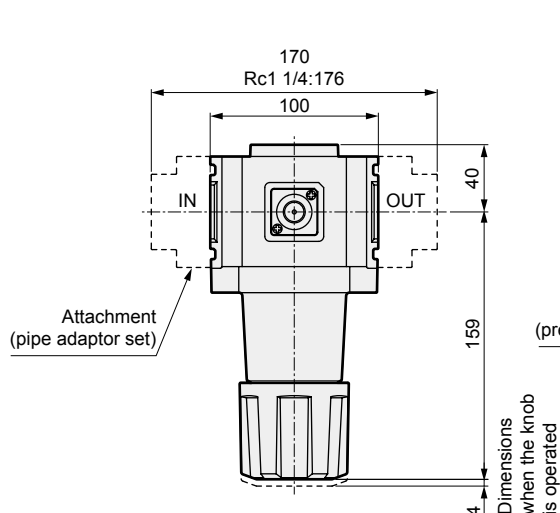
Pressure gauge	X	Y
G49P	(74.5)	ø43.5
G59P	(77)	ø52

Note: The C type bracket and pipe adaptor set attachments cannot be used together.

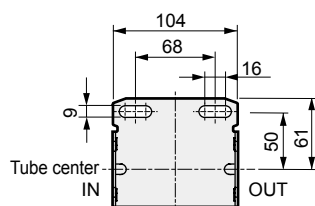
Dimensions



● R8000-G4



- Attachment
C type bracket (-BW)
Part model No.: B820
- Material: Steel
Zinc plated



Pressure gauge attached optional dimensions table

Pressure gauge	X	Y
G49P	(84.5)	ø43.5
G59P	(87)	ø52

Note: The C type bracket and pipe adaptor set attachments cannot be used together.

F.R.L.
F.R.
F (Filtr)
R (Reg)
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Drain Separ
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Res press exh valve
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Med Press FR
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Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrescR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrescCompn
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



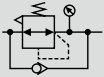
Reverse regulator Flame-resistant series

R3100/R4100/R8100-G4 Series

From secondary pressure to primary side with reverse flow function built in.

● Port size: 1/4 to 1

JIS symbol



Specifications

Item		R3100-G4	R4100-G4	R8100-G4
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 60 (140°F)		
Set pressure (*1)	MPa	0.05 (≈7.3 psi, 0.5 bar) to 0.85 (≈120 psi, 8.5 bar)		
Pressure relief		With relief mechanism		
Port size	Rc,NPT,G	1/4,3/8 (1/2 uses an adaptor)	1/4,3/8,1/2 (3/4 uses an adaptor)	3/4,1 (1 1/4 uses an adaptor)
Weight	kg	0.52	0.77	1.6
Standard specifications		Exterior: Flame-resistant material, nut for panel mounting		Exterior: Flame-resistant material

*1 : Refer to the set pressure range for the back pressure given on page 282 when selecting the model.

*2 : Check that the primary pressure is at least 0.05 MPa more than the secondary pressure.

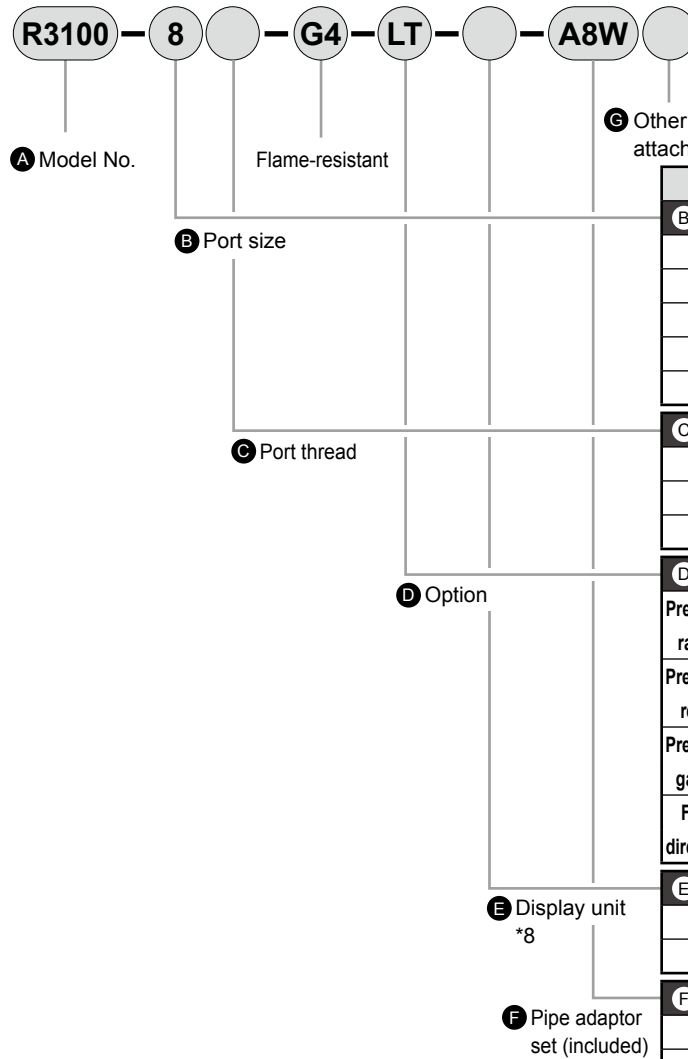
Option weight

* Add to the weight of the standard accessories.

Unit: kg

Code	Pressure gauge	Pipe adaptor set						Attachment			
	T*	A8*W	A10*W	A15*W	A20*W	A25*W	A32*W	BW	B3W	G49P	G59P
R3100-G4	0	0.16	0.16	0.16				0.17	0.07	0.086	0.115
R4100-G4	0	0.16	0.16	0.16	0.16			0.21	0.11	0.086	0.115
R8100-G4	0				0.53	0.53	0.53	0.36		0.086	0.115

How to order



* Refer to page 30 for the explanation of the option.

A Model No.

R3100 R4100 R8100

Code	Description	R3100	R4100	R8100
B Port size				
8	1/4	●	●	
10	3/8	●	●	
15	1/2		●	
20	3/4			●
25	1			●

C Port thread				
Blank	Rc thread	●	●	●
N	NPT thread	●	●	●
G	G thread	●	●	●

D Option			*2, *3		
Pressure range	Blank	0.05 to 0.85 MPa	●	●	●
	L	0.05 to 0.35 MPa *4	●	●	●
Pressure relief	Blank	With relief mechanism	●	●	●
	N	Non-relief	●	●	●
Pressure gauge	T	No pressure gauge (gauge port (1/4) is assembled sealed)	●	●	●
	T8	Pressure gauge ready (gauge port (1/4) is left open)	●	●	●
Flow direction	Blank	Standard flow (left → right)	●	●	●
	X1	Reverse flow (right → left)	●	●	●

E Display unit				
Blank	MPa display (Rc thread), psi display (NPT thread), bar display (G thread)	●	●	●
J1	MPa display (NPT, G thread)	●	●	●

F Pipe adaptor set (included)				
Blank	Not included	●	●	●
A8*W	1/4 pipe adaptor set (white)	●	●	
A10*W	3/8 pipe adaptor set (white)	●	●	
A15*W	1/2 pipe adaptor set (white)	●	●	
A20*W	3/4 pipe adaptor set (white)		●	●
A25*W	1 pipe adaptor set (white)			●
A32*W	1 1/4 pipe adaptor set (white)			●

* Adaptor thread				
Blank	Rc thread	●	●	●
N	NPT thread	●	●	●
G	G thread	●	●	●

G Other attachments				
Blank	Not included	●	●	●
BW	C type bracket (silver)	●	●	●
B3W	*6 L type bracket (silver)	●	●	
G49P	G49D-8-P10(L:G49D-8-P04)	●	●	●
G59P	G59D-8-P10(L:G59D-8-P04)	●	●	●

⚠ Precautions for model No. selection

*1: G and NPT threads are available for IN, OUT and gauge ports.

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

*3: Positions of check valve and pressure gauge cannot be changed. If the IN and OUT directions must be reversed, indicate "X1" at the end of the option field.

*4: The pressure gauge's indication range is 0 to 0.4 MPa for the option "L".

*5: The pipe adaptor set and C type bracket cannot be used together.

*6: For details on mounting the L type bracket, refer to (2. Regulator) of "⚠ Cautions and Installation & Adjustment" (page 357).

*7: The pressure gauge (included) can be selected only when C Port thread is Rc thread.

*8: Display unit options when selecting NPT threads: If Blank is selected, the pressure unit is psi and the temperature display unit is °F. When G thread and Blank display unit option are selected, the pressure unit will be bar and the temperature display unit will be °C. When NPT/G thread and "J1" display unit option are selected, the pressure unit will be MPa and the temperature display unit will be °C.

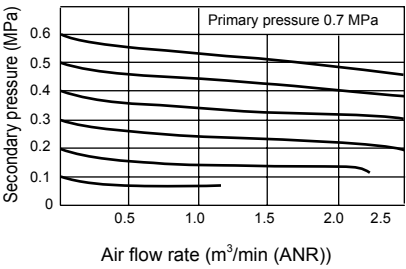
F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filt
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
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

Regulator series

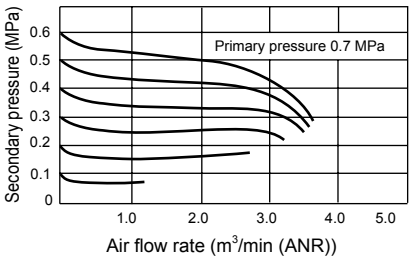
F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac- remove Filt
Film Resist FR
Oil-Prohr
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner
Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube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

Flow characteristics

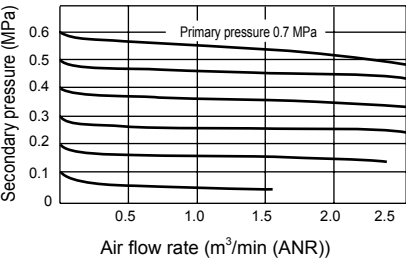
● R3100-8-G4



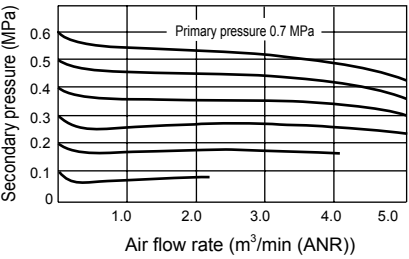
● R3100-10-G4



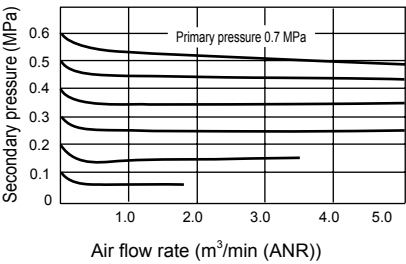
● R4100-8-G4



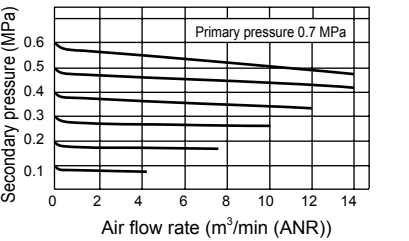
● R4100-10-G4



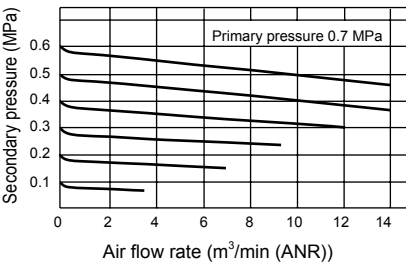
● R4100-15-G4



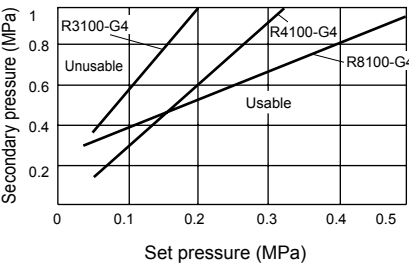
● R8100-20-G4



● R8100-25-G4



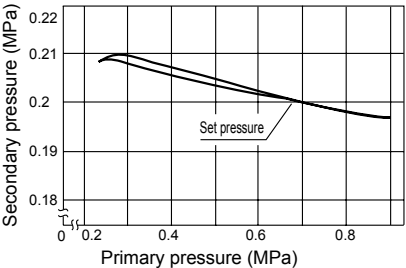
● Set pressure range to back pressure



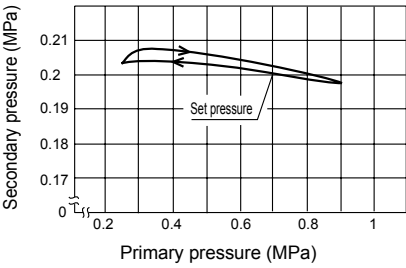
Note: The area above the graph line shows the unusable range and that below the graph line shows the usable range.
Example: If R4100-W is set to the set pressure 0.2 MPa and the secondary back pressure is 0.6 MPa or more, the secondary pressure will not be released to the primary side.

Pressure characteristics

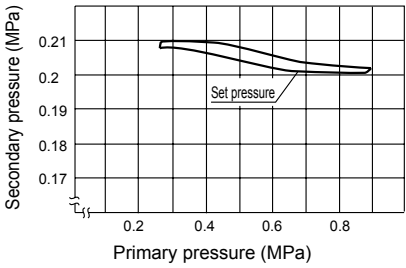
● R3100-G4



● R4100-G4

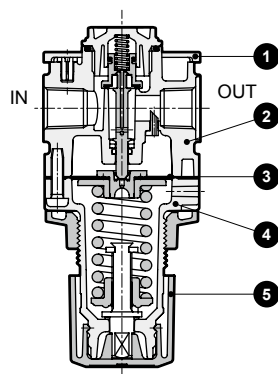


● R8100-G4

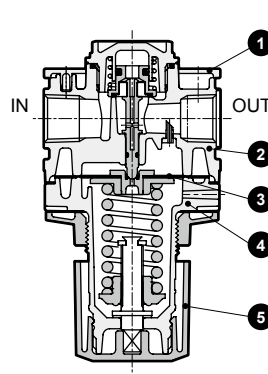


Internal structure and parts list

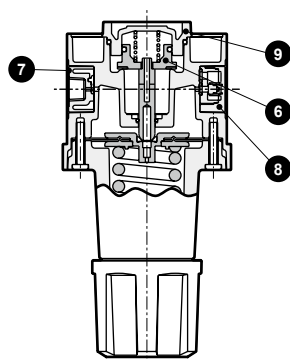
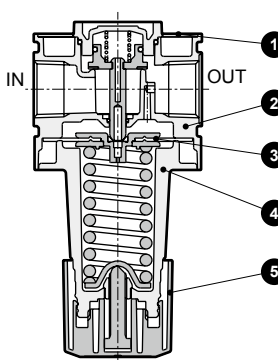
● R3100-G4



● R4100-G4



● R8100-G4



No.	Part name	Material		
		R3100-G4	R4100-G4	R8100-G4
1	Plate cover	ABS resin (*1)		
2	Body	Aluminum alloy die-casting		
3	Diaphragm assembly	Zinc alloy die-casting, nitrile rubber		
4	Cover	Aluminum alloy die-casting		
5	Knob	PBT resin (*1)		
6	Valve assembly	Copper alloy, hydrogenated nitrile rubber, polyacetal resin		
7	Gauge plug assembly	Polyamide resin (*1), nitrile rubber, steel		
8	Check valve total assembly	PBT resin, nitrile rubber, stainless steel wire, steel, aluminum		
9	Bottom plug	Aluminum alloy die-casting		
10	Mounting nut	PBT resin (*1)		-

*1: Flame-resistant resin, UL94 Standards V-0 or equivalent

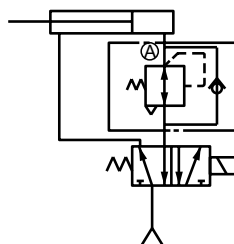
*2: Refer to page 286 for repair parts kits.

Functions

When the primary pressure is introduced from the IN side, the check valve functions as a regular regulator because it closes with primary pressure and spring load. When primary pressure is released by a switching valve such as a residual pressure exhaust valve, the check valve opens with secondary pressure. Pressure in the diaphragm chamber is released and pressure drops. This causes the diaphragm to be pressed down by the pressure adjustment spring. The main valve (valve assembly) opens, and the air on the OUT side is discharged.

● Circuit diagram

When cylinder head side and rod side pressures differ



Note: When the primary side pressure is released, back pressure A must be equal to or less than the set pressure range of the regulator corresponding to the back pressure shown in the graph.

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 Filt
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
PrecsCompn
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

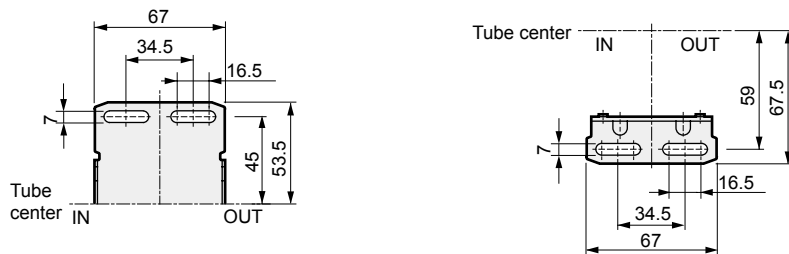
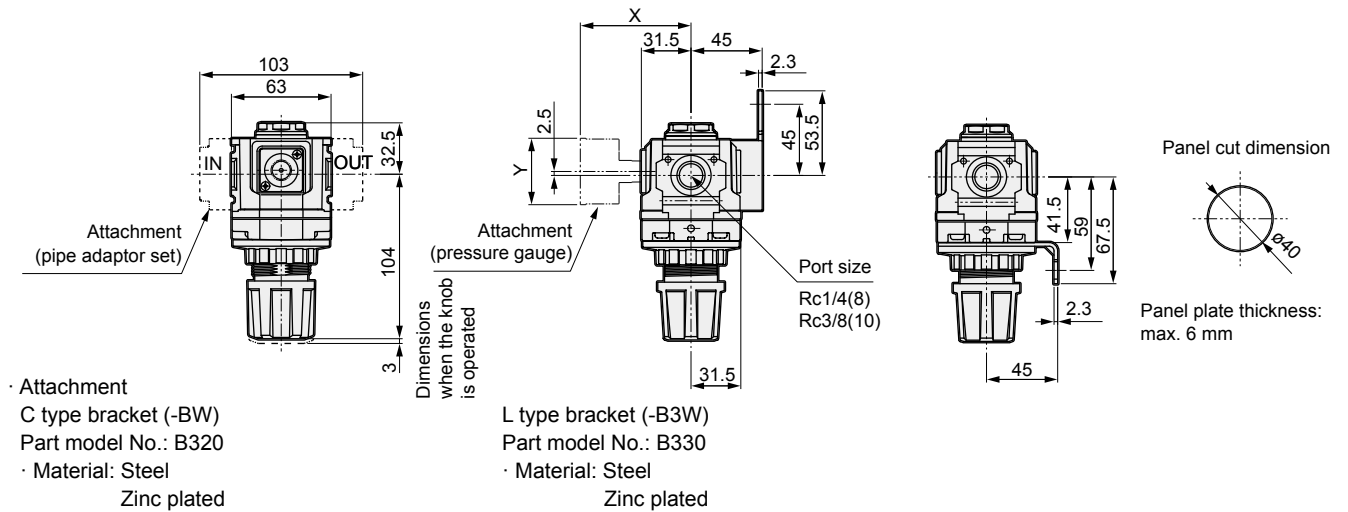
Regulator series



F.R.L. Dimensions

F.R. ● R3100-G4

F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-
remove Filt
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
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRtSens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

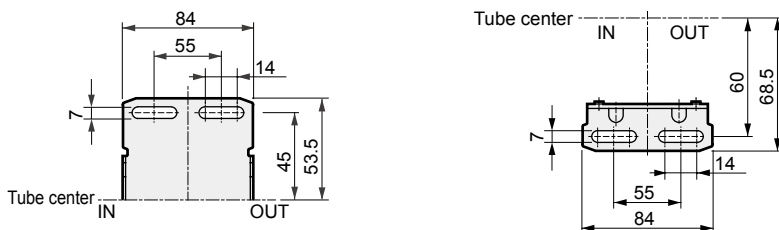
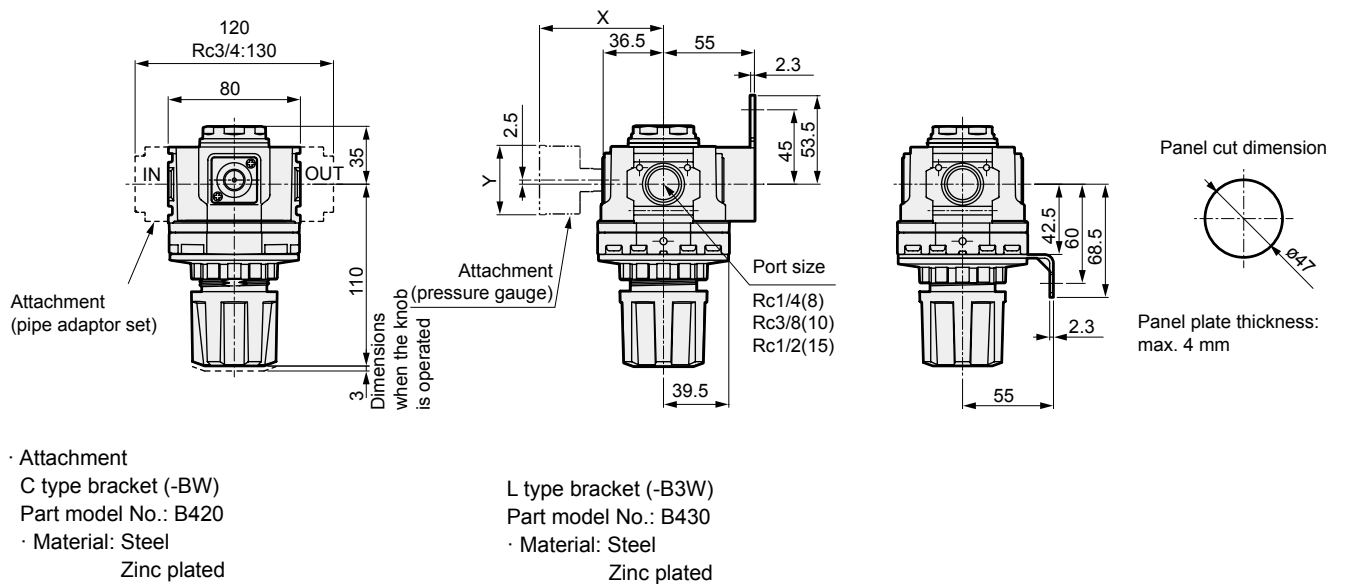


Pressure gauge attached optional dimensions table

Pressure gauge	X	Y
G49P	(69.5)	ø43.5
G59P	(72)	ø52

Note: The C type bracket and pipe adaptor set attachments cannot be used together.

● R4100-G4



Pressure gauge attached optional dimensions table

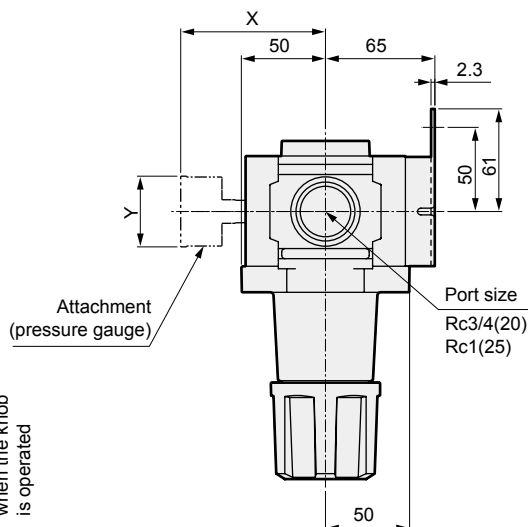
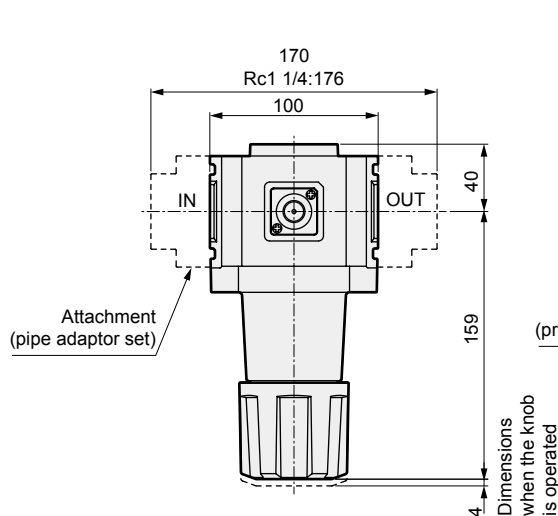
Pressure gauge	X	Y
G49P	(74.5)	ø43.5
G59P	(77)	ø52

Note: The C type bracket and pipe adaptor set attachments cannot be used together.

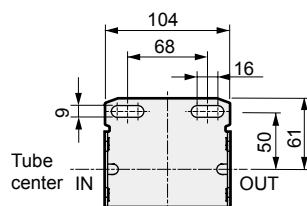
Dimensions



● R8100-G4



- Attachment
C type bracket (-BW)
Part model No.: B820
- Material: Steel
Zinc plated



Note: The C type bracket and pipe adaptor set attachments cannot be used together.

Pressure gauge attached optional dimensions table

Pressure gauge	X	Y
G49P	(84.5)	ø43.5
G59P	(87)	ø52

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
PrecsCompn
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

Regulator Series

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-ProhrR
Med
Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRtSens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending

Optional parts diagram

Repair parts kit (set of diaphragm assembly, valve assembly, bottom spring, bottom O-ring)

Repair parts kits model No. Model	Relief diaphragm	Non-relief diaphragm
R3000-G4,R3100-G4	R3000-KIT	R3000-KIT-N
R4000-G4,R4100-G4	R4000-KIT	R4000-KIT-N
R8000-G4,R8100-G4	R8000-KIT	R8000-KIT-N

Valve assembly (set of valve assembly, bottom spring, bottom O-ring)

Model	Valve assembly model No.
R3000-G4,R3100-G4	R3000-VALVE-ASSY
R4000-G4,R4100-G4	R4000-VALVE-ASSY
R8000-G4,R8100-G4	R8000-VALVE-ASSY

Check valve assembly for reverse regulator

Model	Check valve assembly model No.
R3100-G4,W3100-G4 R4100-G4,W4100-G4 R8100-G4,W8100-G4	R3100-G4-CHECK-VALVE-ASSY

Adjusting spring

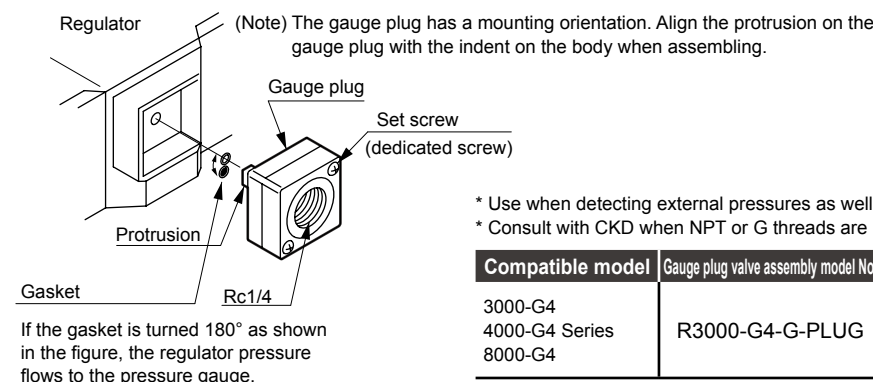
Adjusting spring model No. Model	Standard spring (0.05 to 0.85MPa)	Low pressure spring (0.05 to 0.35 MPa)
R3000-G4,R3100-G4 W3000-G4,W3100-G4	R3000-SPRING	R3000-SPRING-L
R4000-G4,R4100-G4 W4000-G4,W4100-G4	R4000-SPRING	R4000-SPRING-L
R8000-G4,R8100-G4	R8000-SPRING	R8000-SPRING-L
W8000-G4,W8100-G4	W8000-SPRING	W8000-SPRING-L

Diaphragm assembly (only diaphragm assembly)

Diaphragm assembly model No. Model	Relief diaphragm	Non-relief diaphragm
R3000-G4,R3100-G4 W3000-G4,W3100-G4	R3000-DIAPHRAGM-ASSY	R3000-DIAPHRAGM-ASSY-N
R4000-G4,R4100-G4 W4000-G4,W4100-G4	R4000-DIAPHRAGM-ASSY	R4000-DIAPHRAGM-ASSY-N
R8000-G4,R8100-G4	R8000-DIAPHRAGM-ASSY	R8000-DIAPHRAGM-ASSY-N
W8000-G4,W8100-G4	W8000-DIAPHRAGM-ASSY	W8000-DIAPHRAGM-ASSY-N

Gauge plug assembly (assembly of gauge plug, gasket and mounting screw)

Use when mounting the pressure gauge.



- * Use when detecting external pressures as well.
- * Consult with CKD when NPT or G threads are required.

Compatible model	Gauge plug valve assembly model No.
3000-G4 4000-G4 Series 8000-G4	R3000-G4-G-PLUG

