Refrigerating type dryer Desiccant type drye Air filter F.R.L. combination standard white Series

C1000/C2000/C2500-W C3000/C4000/C6500/C8000-W Series

Space-saving type integrated filter, regulator and lubricator Port size: 1/8 to 1

JIS symbol





Specifications

type dryer

F.R.L.

F.R.L. (Related products

Electro pneumati regulator

Speed control valve Silencer

Vacuum fi**l**ter

Magnetic spring buffer pressure SW

Air sensor

Small flow sensor

Small flow controller

Total air Total ai system (Gamma)

Ending

	Specific	Janons							
it)	Desc	criptions	C1000-W	C2000-W	C2500-W	C3000-W	C4000-W	C6500-W	C8000-W
e) or s)	Appearand	ce							
ic		Air filter	F1000-W	F2000-W	F3000-W	F3000-W	F4000-W	F6000-W	F8000-W
	Components	Regulator	R1000-W	R2000-W	R2000-W	R3000-W	R4000-W	R6000-W	R8000-W
er		Lubricator	L1000-W	L3000-W	L3000-W	L3000-W	L4000-W	L8000-W	L8000-W
/A	Working flu	uid				Compressed air			
	Max. working	g pressure MPa				1.0 Note	2		
Pr	Withstandin	g pressure MPa				1.5			
/e	Ambient tem	perature range °C				5 to 60			
٦	Filtration ra	ating µm				5			
m	Set pressu	ire range MPa	0.05 to 0.85 Note 2			0.05 t	o 0.85		
_	Min. drip flow (N	lote 1) m³/min. (ANR)	0.015	0.03	0.03	0.03	0.065	0.065	0.065
n or	Relief				Wi	th relief mechani	sm		
n	Oil capacit	y cm ³	20	85	85	85	170	170	170(MAX360)
4	Drain capa	acity cm ³	12	25	45	45	80	80	80(Note 3)
er	Use oil			Turb	ine oil Class 1 IS	O VG32 (spindle	e oil can not be u	sed)	
W	Port size	Rc, NPT, G	1/8, 1/4 (3/8 uses an adaptor)	1/4, 3/8 (1/2 uses an adaptor)	1/4, 3/8 (1/2 uses an adaptor)	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)	3/4, 1 (1 1/4 uses an adaptor)
W	Product we	eight kg	0.40	1.01	1.01	1.15	1.79	3.64	4.5
Sê	Standard a	accessories			Pressure	gauge, bracket, b	owl guard		
_									

Note 1: The minimum drip flow is that at which five drops of turbine oil drip per minute at the set pressure of 0.5 MPa.

Note 2: When using C1000-W series "F1" with an automatic drain, the minimum operating pressure is 0.2 MPa and maximum operation pressure is 0.7 MPa. Refer to the maximum processing flow table (page 350) for the F1000-W-F1 automatic drain for the maximum working flow. Set the working flow to less than the maximum working flow.

Note 3: Drainage accumulates up to 170 cm³ only with the manual drain cock.

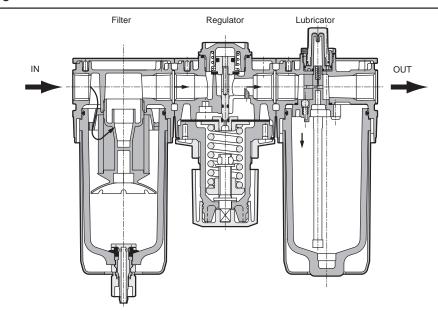
Note 4: The automatic drain's minimum operating pressure for "F" or "FF" with an automatic drain is 0.1 MPa. Initially generated drainage and air are purged until pressure reaches 0.1 MPa.

Note 5: The minimum operation pressure of the automatic drain is 0.15 MPa for the "F1" or "FF1" with an automatic drain.

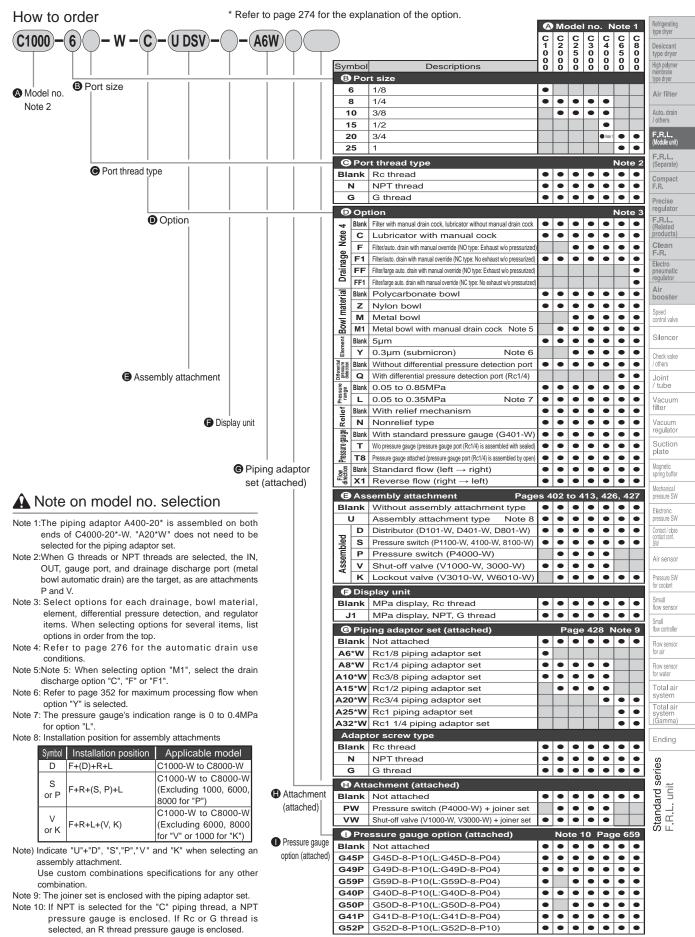
Note 6: When element option "Y" is selected, refer to the maximum working flow table (page 352) for maximum flow. Set the working flow to less than the maximum working flow.

Note 7: When using the "F1" with automatic drain, use the C2000-W Series at less than the maximum flow rate. (Refer to F2000-W on page 350 for the maximum flow rate.)

Internal structure



How to order



Desiccant type drye Air filter F.R.L. F.R.L. (Separate

Clean F.R.

Electro pneumati regulator

Silence

Joint / tube

Vacuum filter

Suction plate

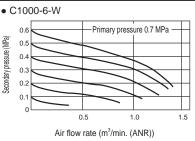
Magnetic spring buffer

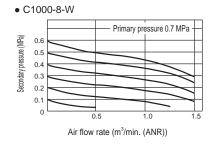
Mechanical

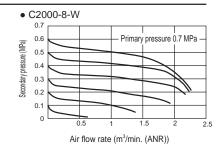
Total air system

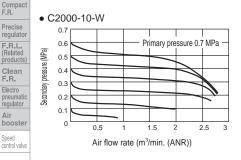
Ending

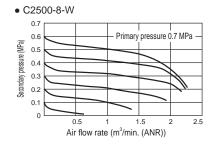
Flow characteristic

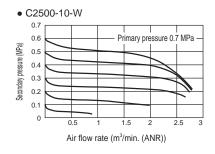


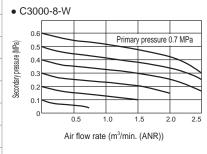


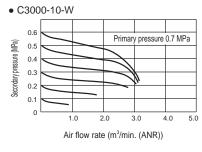


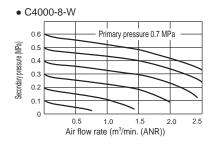


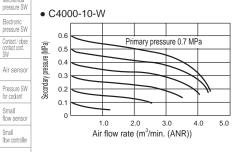


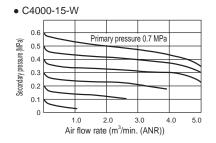


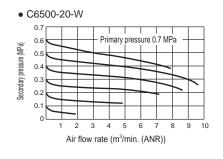


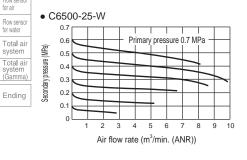


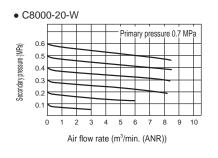


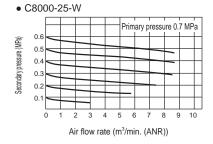












MEMO

Desiccant type dryer High polymer membrane type dryer

Air filter

Auto. drain / others

F.R.L. (Module unit)

F.R.L. (Separate)

Compact F.R.

Precise regulator F.R.L. (Related products)

Clean F-R. Electro pneumatic regulator

Air booster

Speed control valve

Silencer

Check valve / others

Joint / tube

Vacuum filter

Vacuum regulator

Suction

Magnetic spring buffer

Mechanical pressure SW

Electronic pressure SW

Contact / close contact conf.
SW

Air sensor

Pressure SW for coolant

Small flow sensor

Small flow controller

Flow sensor for air

Flow sensor for water

Total air system Total air system (Gamma)

Ending

Standard series F.R.L. unit

Dimensions CAD

type dryer

Desiccant type dryer

High polymer membrane type dryer

Air filter
Auto. drain

F.R.L. (Module unit) F.R.L. (Separate) Compact F.R.

Precise regulator
F.R.L. (Related products)
Clean F.R.
Electro pneumatic regulator
Air

Speed control valve Silencer

Joint / tube

Vacuum filter

Vacuum regulator Suction plate

Magnetic spring buffer Mechanical pressure SW

Electronic pressure SW Contact / close

Air sensor Pressure SW for coolant

Small flow sensor Small flow controller Flow sensor for air

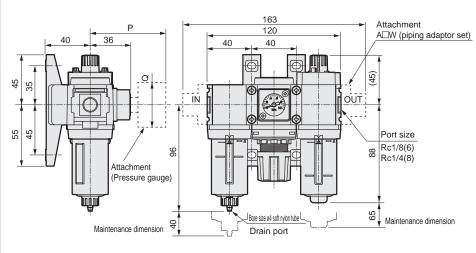
Flow sensor for water

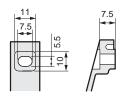
Total air system

Total air system (Gamma)

Ending

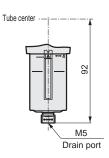
• C1000-W





Enlarged view of bracket section

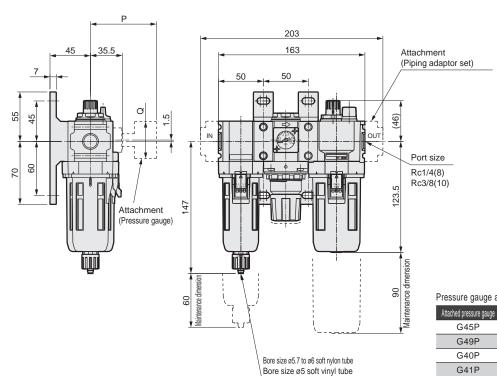
Option dimensions
 With automatic drain (F1)



Pressure gauge attached optional dimensions table

0 0		
Attached pressure gauge	Р	Q
G45P	(74)	ø39
G49P	(73.5)	ø43.5
G59P	(76)	ø52
G40P	(75.5)	ø42.5
G50P	(75.5)	ø52.5
G41P	(74)	ø42
G52P	(86)	ø52.5

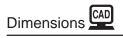




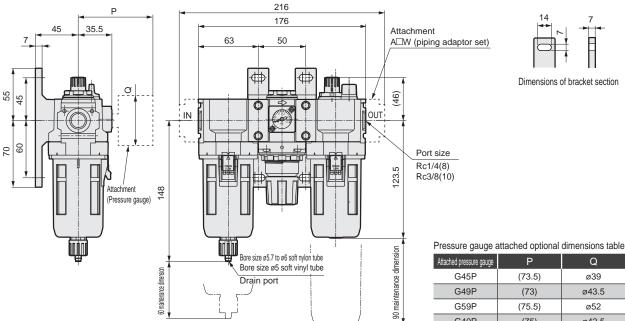
Drain port

Pressure gauge attached optional dimensions table

Attached pressure gauge	Р	Q				
G45P	(73.5)	ø39				
G49P	(73)	ø43.5				
G40P	(75)	ø42.5				
G41P	(73.5)	ø42				
G52P	(85.5)	ø52.5				



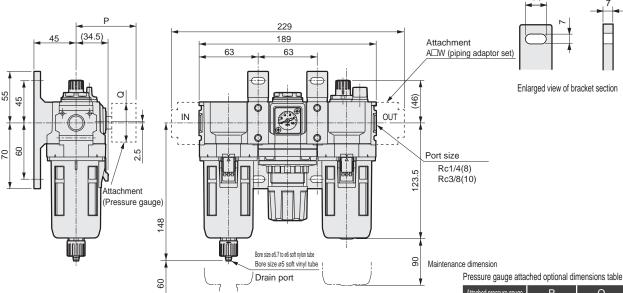
● C2500-W



Dimensions of bracket section

33.		
Attached pressure gauge	Р	Q
G45P	(73.5)	ø39
G49P	(73)	ø43.5
G59P	(75.5)	ø52
G40P	(75)	ø42.5
G50P	(75)	ø52.5
G41P	(73.5)	ø42
G52P	(85.5)	ø52.5

● C3000-W



• Refer to page 357 for dimensions of metal bowl option filter, and to page 400 for dimensions of lubricator.

Maintenance dimension

Attached pressure gauge	Р	Q		
G45P	(70)	ø39		
G49P	(69.5)	ø43.5		
G59P	(72)	ø52		
G40P	(71.5)	ø42.5		
G50P	(71.5)	ø52.5		
G41P	(70)	ø42		
G52P	(82)	ø52.5		

Desiccant type dryer High polymer membrane type dryer

Air filter Auto. drain

F.R.L. (Module unit)

F.R.L. (Separate)

Compact F.R.

Precise regulator

F.R.L. (Related products) Clean F.R.

Electro pneumatic regulator Air booster

Speed control valve

Silencer Check valve / others Joint / tube

Vacuum filter Suction plate

Magnetic spring buffer

Mechanical pressure SW

Electronic pressure SW Contact / close contact conf. SW

Air sensor

Small flow sensor Small flow controller

Flow sensor for air

Flow sensor for water

Total air system Total air system (Gamma)

Ending

Standard series F.R.L. unit

Dimensions CAD

High polyme membrane type dryer

Air filter

Auto. drain / others F.R.L.

F.R.L. (Separate Clean F.R. Electro pneumatio regulator

Speed control valve Silence

Joint / tube Vacuum fi**l**ter

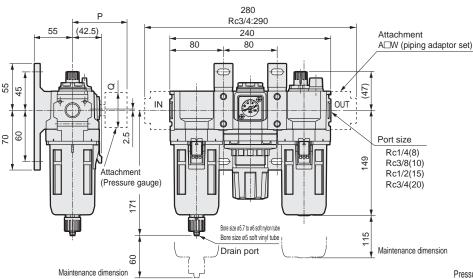
Suction plate Magnetic spring buffer

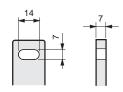
Mechanical pressure SW Electronic pressure SW Contact / close contact conf.

Air senso Pressure SW for coolant Small flow senso Small flow controlle

Total air system Total air system (Gamma) Ending

• C4000-W





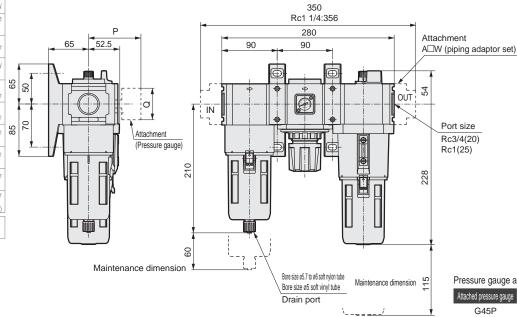
Enlarged view of bracket section

Pressure gauge attached optional dimensions table

Attached pressure gauge	Р	Q
G45P	(75)	ø39
G49P	(74.5)	ø43.5
G59P	(77)	ø52
G40P	(76.5)	ø42.5
G50P	(76.5)	ø52.5
G41P	(75)	ø42
G52P	(86)	ø52 5

■ Refer to page 357 for dimensions of metal bowl option filter, and to page 400 for dimensions of lubricator.

● C6500-W





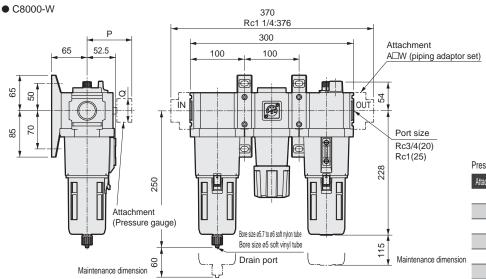
Dimensions of bracket section

Pressure gauge attached optional dimensions table

Attached pressure gauge	Р	Q				
G45P	(80)	ø39				
G49P	(79.5)	ø43.5				
G59P	(82)	ø52				
G40P	(81.5)	ø42.5				
G50P	(81.5)	ø52.5				
G41P	(80)	ø42				
G52P	(93)	ø52.5				

Option assembly dimensions





14

Dimensions of bracket section

Pressure gauge attached optional dimensions table

Attached pressure gauge	Р	Q
G45P	(85)	ø39
G49P	(84.5)	ø43.5
G59P	(87)	ø52
G40P	(86.5)	ø42.5
G50P	(86.5)	ø52.5
G41P	(85)	ø42
G52P	(98)	ø52.5

Speed control valve

Silencer

Desiccant type dryer High polymer membrane type dryer

Air filter Auto. drain / others

F.R.L. (Module unit

F.R.L. (Separate)

Compact F.R.

Precise regulator

F.R.L. (Related products)

Clean F.R.

Electro pneumatic regulator

Air booste

Check valve / others

Joint / tube

Vacuum filter

Vacuum regulator Suction plate

Magnetic spring buffer Mechanical

Electronic pressure SW Contact / close contact conf.

Air sensor

Pressure SW for coolant

Small flow sensor
Small flow controller

DK L2 L3

Flow sensor for air

Flow sensor for water Total air system Total air

(Gamma) Ending

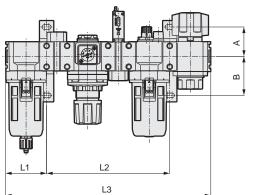
Standard series F.R.L. unit

Option assembly dimensions

page 400 for dimensions of lubricator.

• Refer to page 357 for dimensions of metal bowl option filter, and to

● C1000-W to C8000-W



ľ			†				
•			<		Model no.	A	В
76					C1000-W	35	45
<u>L</u> Ť			۵		C2000-W		
			+		C2500-W	45	60
705	, (1997)				C3000-W	45	60
Ш	ЩШ				C4000-W		
_	'				C6050-W	50	70
J		"			C8000-W	50	70
	L2			·			

Assembled option		D			S			Р			V			K			DS			DP			DV			DK	
Model no.	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
C1000-W	40	68	148	40	68	148	-	-	-	40	80	160	-	-	-	40	96	176	-	-	-	40	108	188	-	-	-
C2000-W	50	81.5	194.5	50	81.5	194.5	50	130	243	50	113	226	50	113	226	50	113	226	50	161.5	274.5	50	144.5	257.5	50	144.5	257.5
C2500-W	63	81.5	207.5	63	81.5	207.5	63	130	256	63	113	239	63	113	239	63	113	239	63	161.5	287.5	63	144.5	270.5	63	144.5	270.5
C3000-W	63	94.5	220.5	63	94.5	220.5	63	143	269	63	126	252	63	126	252	63	126	252	63	174.5	300.5	63	157.5	283.5	63	157.5	283.5
C4000-W	80	111.5	271.5	80	111.5	271.5	80	160	320	80	160	303	80	160	303	80	143	303	80	191.5	351.5	80	191.5	334.5	80	191.5	334.5
C4000-20-W Note 1	100	111.5	311.5	100	111.5	311.5	100	160	360	100	160	343	100	160	343	100	143	343	100	191.5	391.5	100	191.5	374.5	100	191.5	374.5
C6500-W	90	140	330	90	140	330	-	-	-	-	-	-	90	190	370	90	190	380	-	-	-	-	-	-	90	240	420
C8000-W	100	150	350	100	150	350	-	-	-	-	-	-	100	200	390	100	200	400	-	-	-	-	-	-	100	250	440
Assembled option		DSV	<u> </u>		DSK			DPV	'		DPK			SV			SK			PV			PK				
Assembled option Model no.	L1	DSV L2	L3	-	DSK L2		L1		L3	L1	DPK L2	L3	L1	SV L2	L3	L1		L3	L1	PV L2	L3	L1	PK L2	L3			
			L3 216	-	_								L1 40	_	L3 188	L1	_	L3 -	L1 -		L3	L1 -		L3			
Model no.	L1	L2		L1	L2 -				L3 -			L3		L2 100	188	L1 - 50	L2	L3 - 257.5	·		·	L1 - 50	L2 -	-			
Model no. C1000-W	L1 40	L2 136	216	L1 - 50	L2 -	L3 -	L1 -	L2 - 224.5	L3 -	L1 -	L2 -	L3 - 337.5	40	L2 100 144.5	188 257.5	50	L2 -	-	50	L2 -	306	-	L2 - 193	306			
Model no. C1000-W C2000-W	L1 40 50	L2 136 176 176	216 289	L1 - 50	L2 - 176	L3 - 289 302	L1 - 50 63	L2 - 224.5 224.5	L3 - 337.5	L1 - 50	L2 - 224.5	L3 - 337.5 350.5	40 50	L2 100 144.5 144.5	188 257.5 270.5	- 50 63	L2 - 144.5	257.5	- 50 63	L2 - 193	- 306 319	50	- 193 193	306			
Model no. C1000-W C2000-W C2500-W	L1 40 50 63	L2 136 176 176	216 289 302	L1 - 50 63	L2 - 176 176	- 289 302 315	L1 - 50 63	- 224.5 224.5 237.5	L3 - 337.5 350.5	L1 - 50 63	L2 - 224.5 224.5	337.5 350.5 363.5	40 50 63 63	L2 100 144.5 144.5 157.5	188 257.5 270.5	50 63 63	L2 - 144.5 144.5 157.5	- 257.5 270.5 283.5	50 63 63	- 193 193	- 306 319 332	- 50 63	- 193 193 206	- 306 319			
Model no. C1000-W C2000-W C2500-W C3000-W	L1 40 50 63 63	136 176 176 189	216 289 302 315	L1 - 50 63 63	L2 - 176 176 189	289 302 315 366	50 63 63 80	- 224.5 224.5 237.5 271.5	L3 - 337.5 350.5 363.5	L1 - 50 63 63	L2 - 224.5 224.5 237.5	- 337.5 350.5 363.5 414.5	40 50 63 63 80	100 144.5 144.5 157.5 191.5	188 257.5 270.5 283.5 334.5	- 50 63 63 80	- 144.5 144.5 157.5 191.5	- 257.5 270.5 283.5	- 50 63 63 80	- 193 193 206	- 306 319 332 383	50 63 63	- 193 193 206 240	- 306 319 332 383			
Model no. C1000-W C2000-W C2500-W C3000-W C4000-W	L1 40 50 63 63 80	136 176 176 189 223	216 289 302 315 366	L1 - 50 63 63 80	- 176 176 189 223	289 302 315 366	50 63 63 80	- 224.5 224.5 237.5 271.5	- 337.5 350.5 363.5 414.5	L1 - 50 63 63 80	224.5 224.5 227.5 271.5	- 337.5 350.5 363.5 414.5	40 50 63 63 80	100 144.5 144.5 157.5 191.5	188 257.5 270.5 283.5 334.5	- 50 63 63 80	- 144.5 144.5 157.5 191.5	- 257.5 270.5 283.5 334.5	- 50 63 63 80	- 193 193 206 240	- 306 319 332 383	- 50 63 63 80	- 193 193 206 240	- 306 319 332 383			

- L1: Dimensions from the IN edge to center of the T-type bracket mounting hole
- L2: Spacing dimensions of the mounting hole from the first T-type bracket to the second T-type bracket
- L3: Dimensions from the IN edge to the OUT edge
- * Refer to page 425 for details on bracket mounting hole dimensions. Note 1:The piping adaptor is assembled on the OUT side. Piping adaptor A400-20-W is attached on the both ends of C4000-20-W.

Refrigerating type dryer
Desiccant type dryer
High polymer membrane type dryer
Air filter

W.L. combination standard white Series

C1010/C2010/C3010/C4010/C8010-W Series

Filter, regulator and lubricator integrated.

Port size: 1/8 to 1

JIS symbol





Specifications

F.R.L.

F.R.L. (Related products)

Electro pneumatio regulator

Speed control valve Silencer

Vacuum filter

Suction plate

Mechanical pressure SW Electronic pressure SW

Air sensor

Flow sensor for air

Total air system

Total air

system (Gamma)

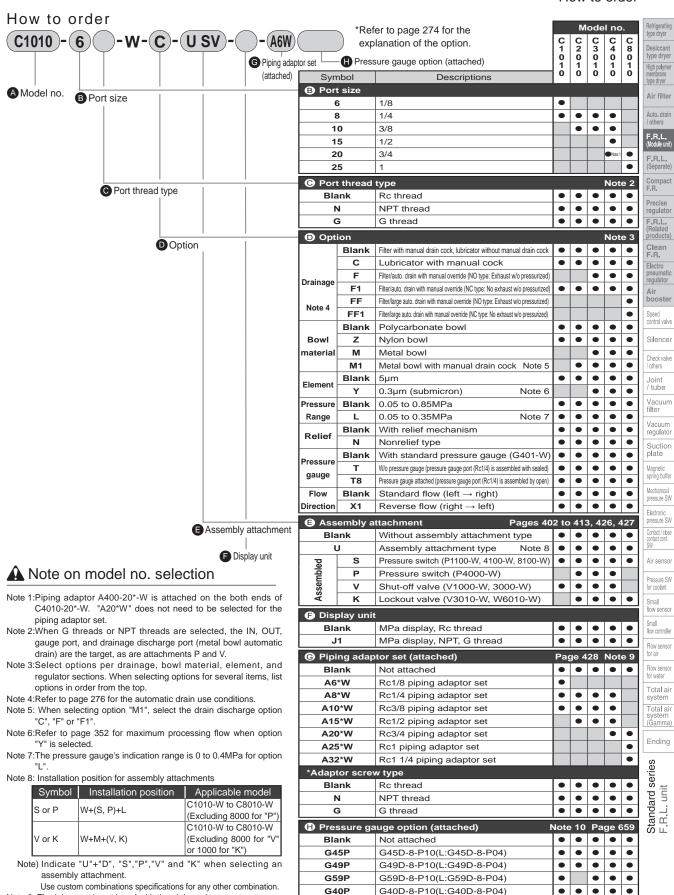
Ending

<u> </u>	ecilications					
	Descriptions	C1010-W	C2010-W	C3010-W	C4010-W	C8010-W
App	earance					
Compone	Filter/regulator	W1000-W	W2000-W	W3000-W	W4000-W	W8000-W
Outipoin	Lubricator	L1000-W	L3000-W	L3000-W	L4000-W	L8000-W
Wor	king fluid			Compressed air		
Max	. working pressure MP	а		1.0 Note 2		
With	standing pressure MP	а		1.5		
Amb	ient temperature range °	С		5 to 60		
Filtr	ation rating µr	n		5		
Set	pressure range MP	a 0.05 to 0.85 (Note 2)		0.05 t	0 0.85	
Min. c	drip flow (Note 1) m³/min. (AN	R) 0.015	0.03	0.03	0.065	0.065
Reli	ef			With relief mechanism		
Oil	capacity cm	n ³ 20	85	85	170	170(MAX360)
Dra	in capacity cm	1 ³ 12	25	45	80	80(Note 3)
Use	oil		Turbine oil Class	1 ISO VG32 (spindle oil	can not be used)	
Port	t size Rc, NPT, 0	1/8, 1/4 (3/8 uses an adaptor)	1/4, 3/8 (1/2 uses an adaptor)	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)
Pro	duct weight k	g 0.31	0.77	0.97	1.45	3.57
Star	ndard accessories		Pressu	ire gauge, bracket, bow	l guard	

- Note 1: The minimum drip flow is that at which five drops of turbine oil drip per minute at the set pressure of 0.5 MPa.
- Note 2: When using C1010-W series "F1" with an automatic drain, the minimum operating pressure is 0.2 MPa and maximum operation pressure is 0.7 MPa.

 Refer to the maximum processing flow table (page 350) for the F1000-W-F1 automatic drain for the maximum working flow. Set the working flow to less than the maximum working flow.
- Note 3: Drainage accumulates up to 170 cm³ only with the manual drain cock.
- Note 4: The automatic drain's minimum operating pressure for "F" or "FF" with an automatic drain is 0.1 MPa. Initially generated drainage and air are purged until pressure reaches 0.1 MPa.
- Note 5: The minimum operation pressure of the automatic drain is 0.15 MPa for the "F1" or "FF1" with an automatic drain.
- Note 6: Refer to maximum flow rate on page 352 for element option "Y". Set the working flow to less than the maximum working flow.
- Note 7: When using the "F1" with automatic drain, use the C2010-W Series at less than the maximum flow rate. (Refer to F2000-W on page 350 for the maximum flow rate.)

low to order



G50P

G41P

G52P

G50D-8-P10(L:G50D-8-P04)

G41D-8-P10(L:G41D-8-P04)

G52D-8-P10(L:G52D-8-P10)

Note 9: The joiner set is enclosed with the piping adaptor set.

pressure gauge is enclosed.

Note 10: If NPT is selected for the "C" piping thread, a NPT pressure

gauge is enclosed. If Rc or G thread is selected, an R thread

CKD

•

•

• • •

• •

• •

•

Dimensions CAD

• C1010-W

type dryer

Desiccant type dryer

High polymer membrane type dryer

Air filter

Auto. drain / others

F.R.L. (Module unit) F.R.L. (Separate) Compact F.R. Precise regulator

F.R.L. (Related products)

Clean F.R.

Electro pneumatic regulator

Air booster

Speed control valve

Check valve / others

Joint / tube

Vacuum filter

Vacuum regulator Suction plate

Magnetic spring buffer

Mechanical pressure SW

Electronic pressure SW Contact / close contact conf. SW

Air sensor

Pressure SW for coolant

Small flow sensor

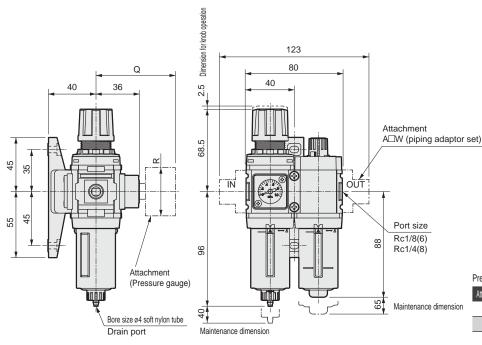
Small flow controller Flow sensor for air

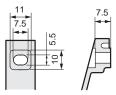
Flow sensor for water

Total air system

Total air system (Gamma)

Ending





Enlarged view of bracket section

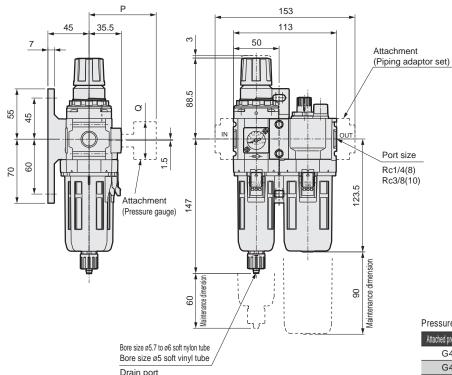
Option dimensions
 With automatic drain (F1)



Pressure gauge attached optional dimensions table

0 0		
Attached pressure gauge	Q	R
G45P	(74)	ø39
G49P	(73.5)	ø43.5
G59P	(76)	ø52
G40P	(75.5)	ø42.5
G50P	(75.5)	ø52.5
G41P	(74)	ø42
G52P	(86)	ø52.5

● C2010-W

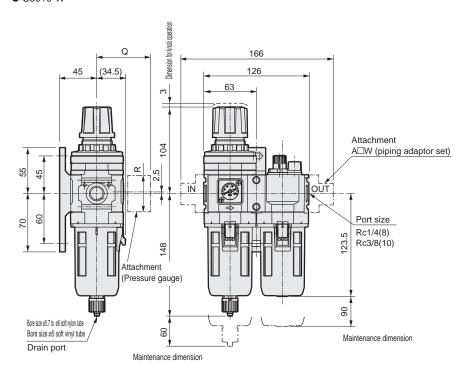


Pressure gauge attached optional dimensions table

Attached pressure gauge	Р	Q
G45P	(73.5)	ø39
G49P	(73)	ø43.5
G40P	(75)	ø42.5
G41P	(73.5)	ø42
G52P	(85.5)	ø52.5

<u>Dimensions</u> <u>CAD</u>

• C3010-W



• Refer to page 340 for the dimensions of the metal bowl option filter/ regulator and page 400 for the lubricator.

Enlarged view of bracket section

Pressure gauge attached optional dimensions table							
Attached pressure gauge	Q	R					
G45P	(70)	ø39					
G49P	(69.5)	ø43.5					
G59P	(72)	ø52					
G40P	(71.5)	ø42.5					
G50P	(71.5)	ø52.5					
G41P	(70)	ø42					
G52P	(82)	ø52.5					

Speed control valve

High polymer membrane type dryer

Air filter

Auto. drain / others

F.R.L. (Module unit

F.R.L. (Separate)

Compact F.R.

Precise regulator

F.R.L. (Related products) Clean F.R. Electro pneumatic regulator

Silencer Check valve / others

Joint / tube Vacuum filter

Suction plate

Magnetic spring buffer Mechanical pressure SW

Electronic pressure SW Contact / close contact conf. SW

Air sensor

Pressure SW for coolant

Small flow sensor Small flow controller

Flow sensor for air Flow sensor for water

Total air system Total air

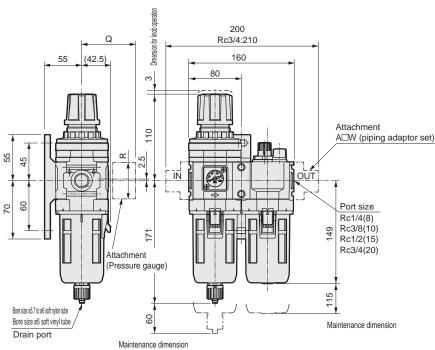
system (Gamma)

Ending Standard series F.R.L. unit

Enlarged view of bracket section

riessu	riessure gauge attached optional dimensions table							
Attached	pressure gauge	Q	R					
G	345P	(75)	ø39					
G	649P	(74.5)	ø43.5					
G	359P	(77)	ø52					
G	340P	(76.5)	ø42.5					
G	350P	(76.5)	ø52.5					
G	641P	(75)	ø42					
G	352P	(86)	ø52.5					

• C4010-W



* Refer to page 340 for the dimensions of the metal bowl option filter/ regulator and page 400 for the lubricator.

Dimensions

● C8010-W

High polyme membrane type dryer

Air filter Auto. drain / others

F.R.L. (Module uni

F.R.L. (Related products) Clean F.R. Electro pneumatic regulator

Speed control valve Silence

Joint / tube

Vacuum fi**l**ter Suction plate

page 400 for the lubricator.

Magnetic spring buffer Mechanical pressure SW

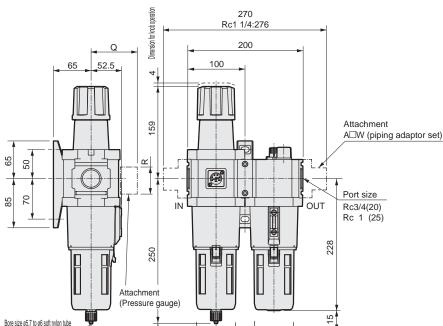
Electronic pressure SW

Air sensor Pressure SW for coolant

Small flow controller Flow sensor for air

Total air system Total air system (Gamma)

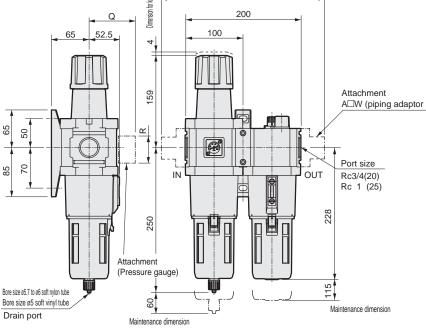
Ending





Enlarged view of bracket section

Troodard gaage attached optional aimonololle table							
Attached pressure gauge	Q	R					
G45P	(85)	ø39					
G49P	(84.5)	ø43.5					
G59P	(87)	ø52					
G40P	(86.5)	ø42.5					
G50P	(86.5)	ø52.5					
G41P	(85)	ø42					
G52P	(98)	ø52.5					

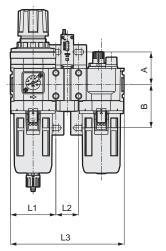


• Refer to page 340 for the dimensions of the metal bowl option filter/regulator and

Option assembly dimensions

Option assembly dimensions

• C1010-W to C8010-W



Model no.	А	В			
C1010-W	35	45			
C2010-W					
C3010-W	45	60			
C4010-W					
C8010-W	50	70			

Assembled option		S			Р			V			K			SV			SK			PV			PK	
Model no.	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
C1010-W	40	28	108	-	-	-	40	40	120	-	-	-	40	68	148	-	-	-	-	-	-	-	-	-
C2010-W	50	31.5	144.5	50	80	193	50	63	176	50	63	176	50	94.5	207.5	50	94.5	207.5	50	143	256	50	143	256
C3010-W	63	31.5	157.5	63	80	206	63	63	189	63	63	189	63	94.5	220.5	63	94.5	220.5	63	143	269	63	143	269
C4010-W	80	31.5	191.5	80	80	240	80	80	223	80	80	223	80	111.5	271.5	80	111.5	271.5	80	160	303	80	160	303
C4010-20-W Note 1	100	31.5	231.5	100	80	280	100	80	263	100	80	263	100	111.5	294.5	100	111.5	294.5	100	160	343	100	160	343
C8010-W	100	50	250	-	-	-	-	-	-	100	100	290	-	-	-	100	150	340	-	-	-	-	-	-

- L1: Dimensions from the IN edge to center of the T-type bracket mounting hole
- L2: Spacing dimensions of the mounting hole from the first T-type bracket to the second T-type bracket
- L3: Dimensions from the IN edge to the OUT edge
- * Refer to page 425 for details on bracket mounting hole dimensions.
- Note 1:The piping adaptor is assembled on the OUT side. Piping adaptor A400-20-W is attached on the both ends of C4010-20-W.

Desiccant type dryer High polymer membrane type dryer

Air filter

Auto. drain / others F.R.L. (Module unit F.R.L. (Separate)

Compact F.R.

Precise regulator F.R.L. (Related products) Clean F.R.

Electro pneumatic regulator Air booster

Speed control valve

Silencer

Check valve / others

Joint / tube

Vacuum filter

Vacuum regulator Suction plate

Magnetic spring buffer

Mechanical pressure SW

Electronic pressure SW Contact / close contact conf. SW

Air sensor

Small flow sensor

Small flow controller

Flow sensor for air

Flow sensor for water

Total air system Total air system (Gamma)

Ending

Standard series F.R.L. unit

Refrigerating type dryer Desiccant type drye type dryer Air filter

F.R. combination standard white Series

C1020/C2020/C2520-W C3020/C4020/C6020/C8020-W Series

Filter and regulator integrated.

Port size: 1/8 to 1







Specifications

Air senso

Small flow sensor

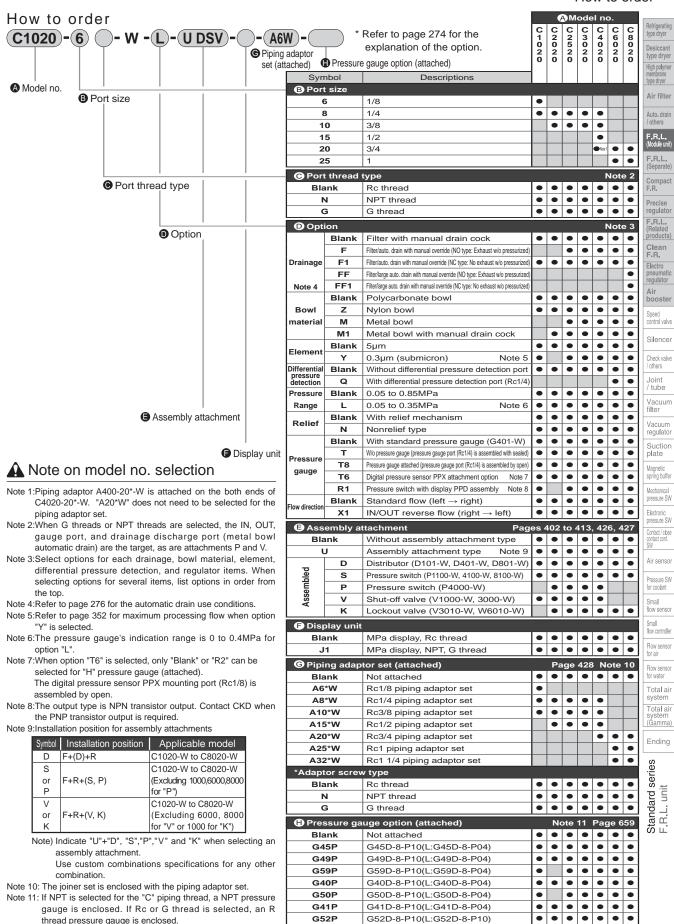
flow controller

Total air system Total air (Gamma) Ending

FRI	Specific	Jalions							
F.R.L. (Module unit)	Desc	criptions	C1020-W	C2020-W	C2520-W	C3020-W	C4020-W	C6020-W	C8020-W
F.R.L. (Separate)									
Compact F.R.									15
Precise regulator			13			0		10	19 3
F.R.L. (Related products)	Appearance		10	T I I	0 20				(8)
Clean F.R.	пррошин			Name of the last					
Electro pneumatic regulator				1					H
Air booster			de						Ψ
Speed control valve									
Silencer	Components	Filter	F1000-W	F2000-W	F3000-W	F3000-W	F4000-W	F6000-W	F8000-W
	Components	Regulator	R1000-W	R2000-W	R2000-W	R3000-W	R4000-W	R6000-W	R8000-W
Check valve / others	Working flu	uid		Compressed air					
Joint / tube	Max. working	g pressure MPa		1.0 Note 2					
Vacuum	Withstanding	g pressure MPa				1.5			
filter	Ambient tem	perature range °C				5 to 60			Note 1
Vacuum regulator	Filtration ra	ating µm				5			
Suction	Set pressu	ıre range MPa	0.05 to 0.85 Note 2			0.05 to	0.85		
plate	Relief				Wi	th relief mechani	sm		
Magnetic spring buffer	Drain capa	acity cm ³	12	25	45	45	80	80	80(Note 3)
Mechanical pressure SW	Port size	RC, NPT, G	1/8, 1/4	1/4, 3/8	1/4, 3/8	1/4, 3/8	1/4, 3/8, 1/2	3/4, 1	3/4, 1
Electronic		INO, INF I, G	(3/8 uses an adaptor)	(1/2 uses an adaptor)	(1/2 uses an adaptor)	(1/2 uses an adaptor)	(3/4 uses an adaptor)	(1 1/4 uses an adaptor)	(1 1/4 uses an adaptor)
pressure SW	Product we	eight kg	0.28	0.64	0.65	0.79	1.25	2.07	2.93
Contact / close contact conf. SW	Standard accessories Pressure gauge, bracket, bowl guard								

- Note 1: The working temperature range of the pressure switch with indicator PPD assembly "R1" is 5 to 50° C.
- Note 2: When using C1020 series "F1" with an automatic drain, the minimum operating pressure is 0.2 MPa and maximum operation pressure is 0.7 MPa. Refer to the maximum processing flow table (page 350) for the F1000-F1 automatic drain for the maximum working flow. Set the working flow to less than the maximum working flow.
- Note 3: Drainage accumulates up to 170 cm³ only with the manual drain cock.
- Note 4: The automatic drain's minimum operating pressure for "F" or "FF" with an automatic drain is 0.1 MPa. Initially generated drainage and air are purged until
- Note 5: The automatic drain's minimum operating pressure for "F1" or "FF1" with an automatic drain is 0.15 MPa.
- Note 6: When element option "Y" is selected, refer to page 352 for maximum flow. Set the working flow to less than the maximum working flow.
- Note 7: When using the "F1" with automatic drain, use the C2020-W Series at less than the maximum flow rate. (Refer to F2000-W on page 350 for the maximum

How to order



R2 Note 9

Digital pressure sensor: PPX-R10N-6M



• C1020-W

Desiccant type dryer High polymer membrane type dryer

Air filter
Auto. drain

F.R.L. (Module uni

F.R.L. (Separate) Compact F.R. Precise regulator F.R.L. (Related

Clean F.R. Electro pneumatic regulator Air booster

Speed control valve

Sillencer

Check valve / others

Joint

Vacuum filter Vacuum regulator Suction plate

Magnetic spring buffer Mechanical pressure SW

Contact / close contact conf.

● C2020-W

Air sensor

Pressure SW for codant

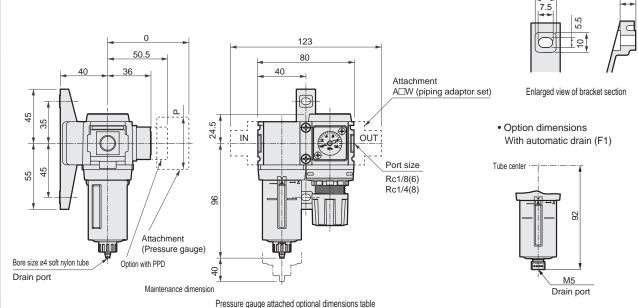
Small flow sensor

Small flow controller

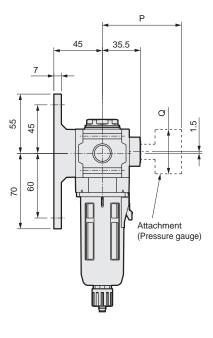
Flow sensor for air

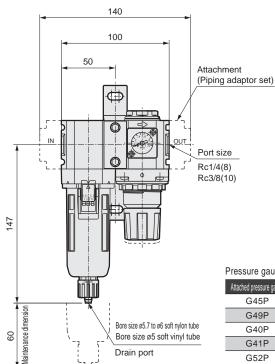
Flow sensor

Total air system Total air system (Gamma)



0	Р
(74)	ø39
(73.5)	ø43.5
(76)	ø52
(75.5)	ø42.5
(75.5)	ø52.5
(74)	ø42
(86)	ø52.5
(74)	□30
	(74) (73.5) (76) (75.5) (75.5) (74) (86)





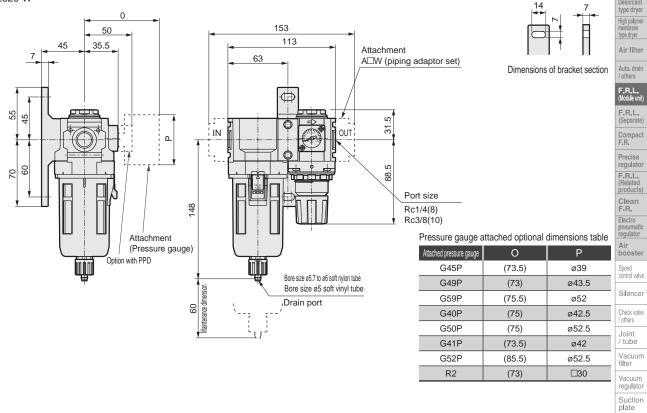
Praecura	aniich	hadrette	ontional	dimensions	tahla

Attached pressure gauge	Р	Q
G45P	(73.5)	ø39
G49P	(73)	ø43.5
G40P	(75)	ø42.5
G41P	(73.5)	ø42
G52P	(85.5)	ø52.5
R2	(73)	□30

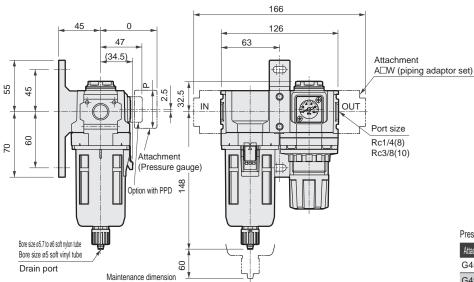
Dimensions



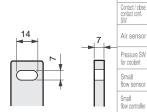




● C3020-W



• Refer to page 357 for option dimensions of metal bowl.



Magnetic spring buffer Mechanical pressure SW

Electronic pressure SW

Flow sensor for air

Flow sensor for water

Total air system

Total air

system (Gamma)

Ending

Standard series F.R.L. unit

Enlarged view of bracket section

Pressure gauge attached optional dimensions table

_	
0	Р
(70)	ø39
(69.5)	ø43.5
(72)	ø52
(71.5)	ø42.5
(71.5)	ø52.5
(70)	ø42
(82)	ø52.5
(69.5)	□30
	(70) (69.5) (72) (71.5) (70) (82)

CKD



● C4020-W

Desiccant type drye High polyme membrane type dryer Air filter

Auto. drain / others

F.R.L. F.R.L. (Separate

Clean F.R. Electro pneumatio regulator

Speed control valve Silence Joint / tube

Vacuum fi**l**ter Vacuum regulato Suction plate

Magnetic spring buffer Mechanical pressure SW

Electronic pressure SW Contact / close contact conf.

Air senso Pressure SW for coolant Small flow senso

Small flow controlle Flow sensor for air

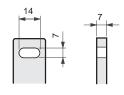
Total air system (Gamma) Ending

Total air system

200 Rc3/4:210 55 0 160 52 80 (42.5)Attachment \bigoplus A□W (piping adaptor set) 22 45 35 Ø IN OUT Port size 9 Rc1/4(8) Rc3/8(10) Rc1/2(15) 70 Attachment (Pressure gauge) Rc3/4(20) Option with PPD Bore size ø5.7 to ø6 soft nylon tube

9

Maintenance dimension



Enlarged view of bracket section

Pressure gauge attached optional dimensions table

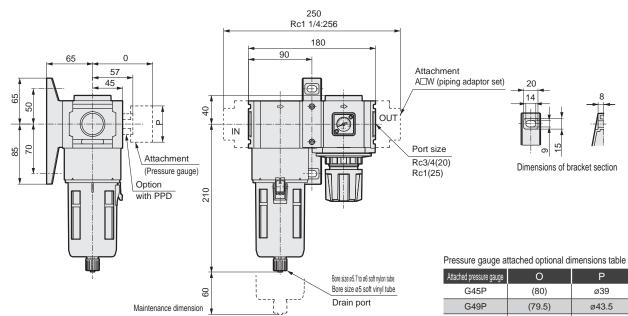
Attached pressure gauge	0	Р
G45P	(75)	ø39
G49P	(74.5)	ø43.5
G59P	(77)	ø52
G40P	(76.5)	ø42.5
G50P	(76.5)	ø52.5
G41P	(75)	ø42
G52P	(86)	ø52.5
R2	(75)	□30

• Refer to page 357 for option dimensions of metal bowl.

Bore size ø5 soft vinyl tube

Drain port

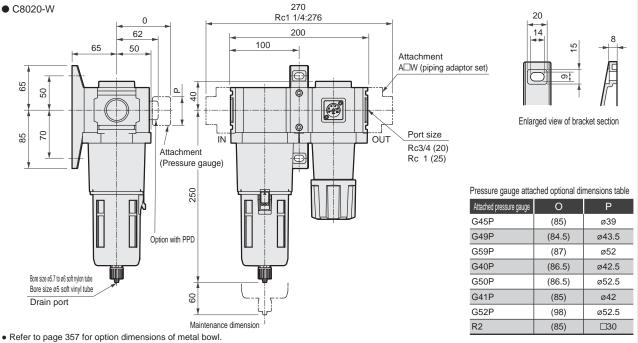
● C6020-W



Attached pressure gauge	0	Р
G45P	(80)	ø39
G49P	(79.5)	ø43.5
G59P	(82)	ø52
G40P	(81.5)	ø42.5
G50P	(81.5)	ø52.5
G41P	(80)	ø42
G52P	(93)	ø52.5
R2	(80)	□30

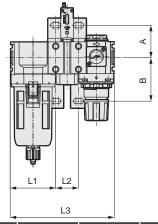
Option assembly dimensions





Option assembly dimensions

• C1020-W to C8020-W



Model no.	А	В
C1020-W	35	45
C2020-W		
C2520-W	45	60
C3020-W	45	60
C4020-W		
C6020-W	50	70
C8020-W	50	/0

Assembled option		D		S (Note	1)		Р			V			K		DS	(Not	e 1)		DP			DV			DK	
Model no.	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
C1020-W	40	28	108	40	40	129.5	-	-	-	40	40	120	-	-	_	40	68	157.5	-	-	-	40	68	148	-	-	-
C2020-W	50	31.5	131.5	50	50	151.5	50	50	180	50	50	163	50	50	163	50	81.5	183	50	81.5	211.5	50	81.5	194.5	50	81.5	194.5
C2520-W	63	31.5	144.5	63	50	164.5	63	50	193	63	50	176	63	50	176	63	81.5	196	63	81.5	224.5	63	81.5	207.5	63	81.5	207.5
C3020-W	63	31.5	157.5	63	63	177.5	63	63	206	63	63	189	63	63	189	63	94.5	209	63	94.5	237.5	63	94.5	220.5	63	94.5	220.5
C4020-W	80	31.5	191.5	80	80	211.5	80	80	240	80	80	223	80	80	223	80	111.5	243	80	111.5	271.5	80	111.5	254.5	80	111.5	254.5
C4020-20-W Note 1	100	31.5	231.5	100	80	231.5	100	80	280	100	80	263	100	80	263	100	111.5	263	100	111.5	311.5	100	111.5	294.5	100	111.5	294.5
C6020-W	90	50	230	90	90	265	-	-	-	-	-	-	90	90	270	90	140	315	-	-	-	-	-	-	90	140	320
C8020-W	100	50	250	100	100	285	-	-	-	-	-	-	100	100	290	100	150	335	-	-	-	-	-	-	100	150	340
Assembled option		DSV	'		DSK			DPV			DPK			SV			SK			PV			PK				

				""				1					""	••				0.0												
C8020-W	100	50	250	100	100	285	-	-	-	-	-	-	100	100	290	100	150	335	-	-	-	-	-	-						
Assembled option	DS\		DSV		DSV		DSV		DSV		DSK			DPV	'		DPK			SV			SK			PV			PK	
Model no.	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3						
C1020-W	40	96	176	_	-	ı	-	-	-	-	-	_	40	68	148	-	-	-	-	-	-	-	-	-						
C2020-W	50	113	226	50	113	226	50	162	274.5	50	162	274.5	50	81.5	194.5	50	81.5	194.5	50	130	243	50	130	243						
C2520-W	63	113	239	63	113	239	63	162	287.5	63	162	287.5	63	81.5	207.5	63	81.5	207.5	63	130	256	63	130	256						
C3020-W	63	126	252	63	126	252	63	175	300.5	63	175	300.5	63	94.5	220.5	63	94.5	220.5	63	143	269	63	143	269						
C4020-W	80	143	286	80	143	286	80	191.5	334.5	80	191.5	334.5	80	111.5	254.5	80	111.5	254.5	80	160	303	80	160	303						
C4020-20-W Note 1	100	143	326	100	143	326	100	191.5	374.5	100	191.5	374.5	100	111.5	294.5	100	111.5	294.5	100	160	343	100	160	343						
C6020-W	-	-	-	90	190	370	-	-	-	-	-	_	-	-	-	90	140	320	-	-	-	ı	ı	-						
C8020-W	-		-	100	200	390	-	_	_	-	-	-	-	_	-	100	150	340	-		-	_	-	_						

L1: Dimensions from the IN edge to center of the T-type bracket mounting hole

L2: Spacing dimensions of the mounting hole from the first T-type bracket to the second T-type bracket

L3: Dimensions from the IN edge to the OUT edge

* Refer to page 425 for details on bracket mounting hole dimensions. Note 1:The piping adaptor is assembled on the OUT side. Piping adaptor A400-20-W is attached on the both ends of C4020-20-W.

Desiccant type dryer High polymer membrane type dryer Air filter Auto. drain / others

F.R.L.

F.R.L. (Separate)

Compact F.R. Precise regulator

F.R.L. (Related products) Clean F.R.

Electro pneumatic regulator Air booster

Speed control valve Silencer

Check valve / others Joint / tube

Vacuum filter

Vacuum regulator Suction plate Magnetic spring buffer Mechanical pressure SW

Electronic pressure SW Contact / close contact conf.

Air sensor

Small flow sensor

Small flow controller Flow sensor for air

Flow sensor for water Total air system Total air system (Gamma)

Ending

Standard series F.R.L. unit

Refrigerating type dryer Desiccant type drye Air filter

F.M.R. combination standard white Series

C1030/C2030/C2530-W C3030/C4030/C6030/C8030-W Series

Filter, oilmist filter and regulator integrated.

Port size: 1/8 to 1

JIS symbol





Specifications

High polymore membrane type dryer

F.R.L. F.R.L. (Separate

F.R.L. (Related products) Clean F.R. Electro pneumatic regulator

Speed control valve Silencer

Vacuum filter

Suction plate Magnetic spring buffer Mechanical pressure SW Electronic pressure SW

Air sensor

Small flow sensor

Small flow controller

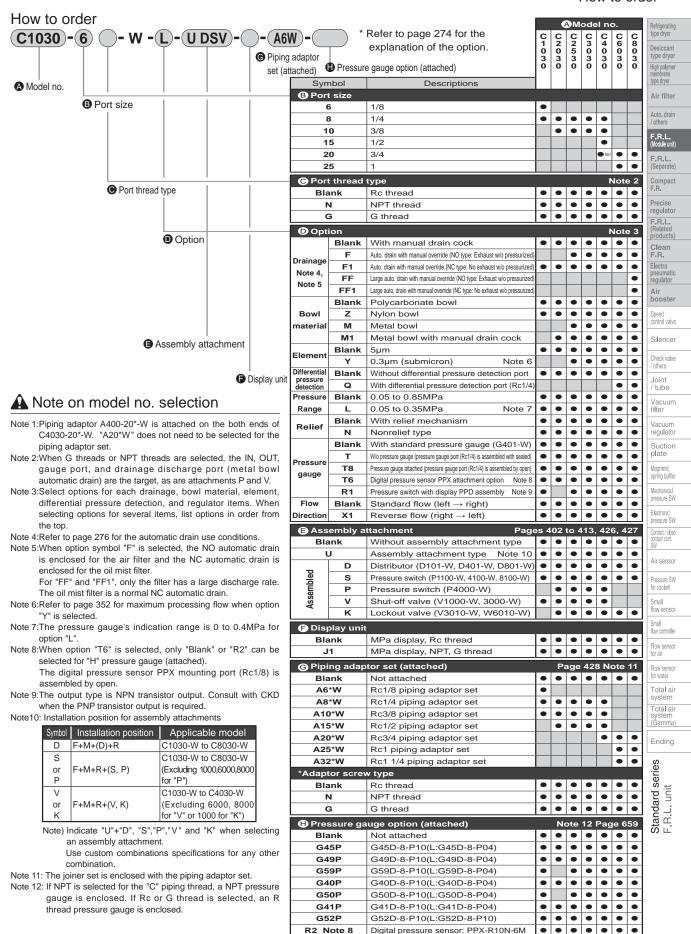
Flow sensor for air

Total air system Total air (Gamma) Ending

Ohe	Cilications										
	Descriptions	C1030-W	C2030-W	C2530-W	C3030-W	C4030-W	C6030-W	C8030-W			
Appea	arance										
ents	Filter	F1000-W	F2000-W	F3000-W	F3000-W	F4000-W	F6000-W	F8000-W			
nodu	Oil mist filter	M1000-W	M2000-W	M3000-W	M3000-W	M4000-W	M6000-W	M8000-W			
_ වි	Regulator	R1000-W	R2000-W	R2000-W	R3000-W	R4000-W	R6000-W	R8000-W			
Worki	ng fluid				Compressed air						
Max. w	orking pressure MPa				1.0 Note	3					
Withsta	anding pressure MPa				1.5						
Ambien	t temperature range °C				5 to 60			Note 2			
<u> </u>		0.05 to 0.85 Note 3									
Relief				Wi	th relief mechani	sm					
Port s	ize Rc, NPT, G	1/8, 1/4 (3/8 uses an adaptor)	1/4, 3/8 (1/2 uses an adaptor)	1/4, 3/8 (1/2 uses an adaptor)	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)	3/4, 1 (1 1/4 uses an adaptor)			
Produ	ct weight kg	0.40	0.98	1.02	1.10	1.86	3.19	4.45			
Second	dary oil concentration				0.01mg/m ³ or loss						
<u> </u>		e)									
Max. flo	ow rate (Note 1) m³/min.	0.15	0.25	0.36	0.36	0.825	1.27	2.6			
	Worki Max. w Withsta Ambier Set pr Relief Port s	Working fluid Max. working pressure MPa Withstanding pressure MPa Ambient temperature range °C Set pressure range MPa Relief Port size Rc, NPT, G	Appearance Filter F1000-W Oil mist filter M1000-W Regulator R1000-W Working fluid Max. working pressure MPa Withstanding pressure MPa Ambient temperature range °C Set pressure range MPa Relief Port size Rc, NPT, G Product weight kg Secondary oil concentration (Oil mist filter outlet side)	Appearance Filter F1000-W F2000-W Oil mist filter M1000-W M2000-W Regulator R1000-W R2000-W Working fluid Max. working pressure MPa Withstanding pressure MPa Withstanding pressure MPa Ambient temperature range °C Set pressure range MPa 0.05 to 0.85 Note 3 Relief Port size Rc, NPT, G 1/8, 1/4 (3/8 uses an adaptor) Product weight kg 0.40 0.98 Secondary oil concentration (Oil mist filter outlet side)	Appearance Filter F1000-W F2000-W F3000-W M3000-W Regulator R1000-W R2000-W R	Descriptions	Descriptions	Descriptions			

- Note 1: The maximum flow is for a primary pressure of 0.7 MPa. Refer to page 352 for the maximum flow rate of element option "Y".
- Note 2: The working temperature range of the pressure switch with indicator PPD assembly "R1" is 5 to 50°C.
- Note 3: When "F1" with an automatic drain is selected for the C1030-W series, the NC automatic drain is assembled for both the filter and oil mist filter. Minimum operation pressure is 0.2 MPa and maximum operation pressure is 0.7 MPa. Refer to the maximum processing flow table (page 362) for the M1000-W-F1 automatic drain for the maximum working flow.
- Note 4: Refer to page 360 for details on other oil mist filters.
- Note 5: When "F" with an automatic drain is selected, the supply air pressure is 0.15 MPa or more. Air filter and automatic drain are purged with initial drainage until pressure reaches 0.1 MPa.
- Note 6: When "F1" with an automatic drain is selected, the filter, oil mist filter, and NC automatic drain are assembled, but the supply air pressure must be 0.15 MPa or more.

How to order



Dimensions

High polyme membrane type dryer

Air filter Auto. drain / others

F.R.L. F.R.L. (Separate

F.R.L. (Related products) Clean F.R. Electro pneumatio regulator Speed control valve

Silence

Vacuum fi**l**ter Suction plate

Magnetic spring buffer Mechanical pressure SW

Electronic pressure SW

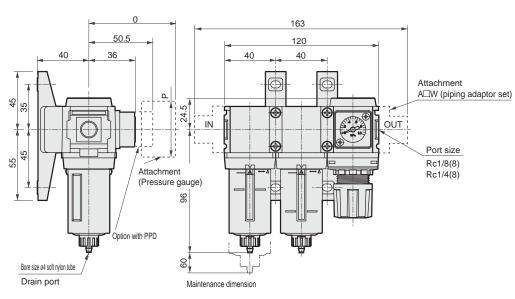
● C2030-W

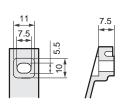
Air senso Small flow sensor

Small flow controlle Flow sensor for air Total air system Total air system (Gamma)

Ending

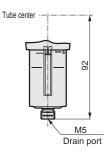
● C1030-W





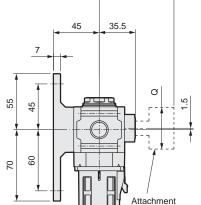
Enlarged view of bracket section

 Option dimensions With automatic drain (F1)



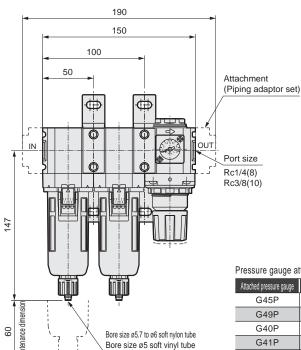
Pressure gauge attached optional dimensions table

i ressure gaage attaoried optional airrichsions t												
Attached pressure gauge	0	Р										
G45P	(74)	ø39										
G49P	(73.5)	ø43.5										
G59P	(76)	ø52										
G40P	(75.5)	ø42.5										
G50P	(75.5)	ø52.5										
G41P	(74)	ø42										
G52P	(86)	ø52.5										
R2	(74)	□30										



Ρ

(Pressure gauge)



Drain port

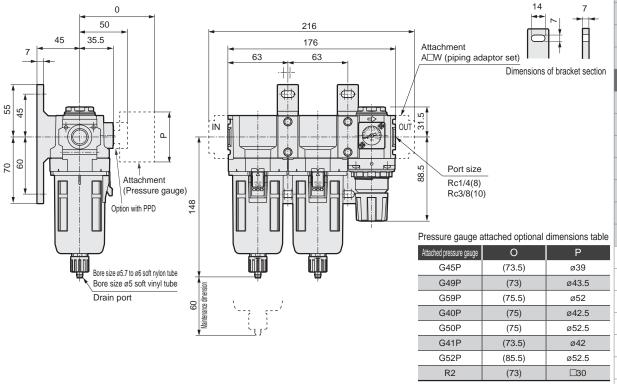
Pressure gauge attached optional dimensions table

Attached pressure gauge	Р	Q
G45P	(73.5)	ø39
G49P	(73)	ø43.5
G40P	(75)	ø42.5
G41P	(73.5)	ø42
G52P	(85.5)	ø52.5
R2	(73)	□30

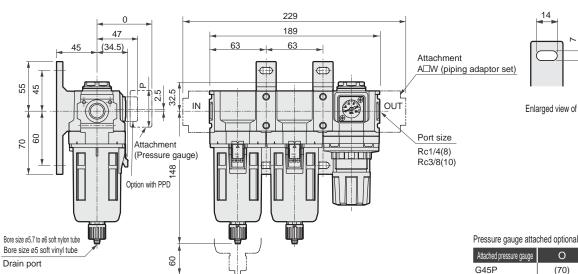
Dimensions



● C2530-W

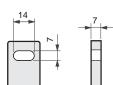


● C3030-W



• Refer to page 357 for the dimensions of the metal bowl option filter and page 367 for the oil mist filter.

Maintenance dimension



Enlarged view of bracket section

Pressure gauge attached optional dimensions table

- Toobaro gaago attaonoa optional amionololo tablo													
Attached pressure gauge	0	Р											
G45P	(70)	ø39											
G49P	(69.5)	ø43.5											
G59P	(72)	ø52											
G40P	(71.5)	ø42.5											
G50P	(71.5)	ø52.5											
G41P	(70)	ø42											
G52P	(82)	ø52.5											
R2	(69.5)	□30											

Desiccant type dryer High polymer membrane type dryer Air filter

Auto. drain / others F.R.L. (Module unit)

F.R.L. (Separate)

Compact F.R.

Precise regulator F.R.L. (Related products) Clean F.R. Electro pneumatic regulator

Air booster

Speed control valve Silencer Check valve / others Joint / tube Vacuum filter

Vacuum regulator Suction plate

Magnetic spring buffer Mechanical pressure SW

Electronic pressure SW Contact / close contact conf. SW

Air sensor

Pressure SW for coolant Small flow sensor

Small flow controller

Flow sensor for air

Flow sensor for water Total air system

Total air system (Gamma)

Ending

Standard series F.R.L. unit

Dimensions CAD

Desiccant type drye High polyme membrane type dryer

Air filter

Auto. drain

F.R.L. F.R.L. (Separate

Clean F.R. Electro pneumati regulator

control valv Silence

Joint / tube Vacuum fi**l**ter Vacuum

Suction plate Magnetic spring buffer

pressure SW Electronic pressure SW Contact / close contact conf.

Mechanical

● C6030-W

Air senso Pressure SW for coolant Small flow senso

Small flow controlle Flow sensor for air

Total air Total air system (Gamma) Ending

• C4030-W

280 Rc3/4:290 240 52 80 80 (42.5) 55 Attachment \bigoplus A□W (piping adaptor set) \Leftrightarrow 55 45 0 0 IN OUT Port size 9 Attachment Rc1/4(8) (Pressure gauge) Rc3/8(10) Rc1/2(15) Option with PPD Bore size ø5.7 to ø6 soft nylon tube Bore size ø5 soft vinyl tube 9 Drain port

Enlarged view of bracket section

Pressure gauge attached optional dimensions table

Attached pressure gauge 0 G45P ø29 (75)G49P (74.5)ø43.5 G59P (77)ø52 G40P (76.5)ø42.5 G50P ø52.5 (76.5)G41P (75)ø42 G52P (86) ø52.5 □30 R2 (75)

• Refer to page 357 for the dimensions of the metal bowl option filter and page 367 for the oil mist filter.

Maintenance dimension

20 340 Rc1 1/4:346 270 90 90 65 0 Dimensions of bracket section 57 Attachment A□W (piping adaptor set) 65 50 40 OUT IN Port size 70 Attachment Rc3/4(20) Rc1(25) (Pressure gauge) Option with PPD Pressure gauge attached optional dimensions table 0 Attached pressure gauge G45P (80)Bore size ø5.7 to ø6 soft nylon tube Bore size ø5 soft vinyl tube G49P (79.5)Drain port G59P (82)Maintenance dimension

ø39 ø43.5 ø52 G40P (81.5) ø42.5 G50P (81.5)ø52.5

G41P (80)ø42 G52P (93)ø52.5 □30 R2 (80)

Option assembly dimensions

Desiccant type dryer

High polymer membrane type dryer

Air filter

Auto. drain / others

F.R.L. (Module unit

F.R.L. (Separate)

Compact F.R.

Precise regulator

F.R.L. (Related products)

Clean F.R.

Electro pneumatic regulator

Air booster

Speed control valve

Silencer

Joint / tube

Vacuum filter

Vacuum regulator

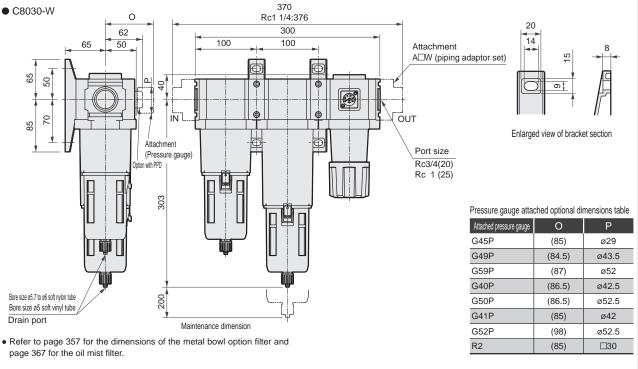
Suction plate Magnetic spring buffer Mechanical pressure SW

Electronic pressure SW Contact / close contact conf. SW Air sensor

Small flow sensor

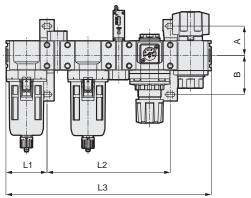
Small flow controlle Flow sensor for air Flow sensor for water Total air system Total air (Gamma) Ending

Dimensions



Option assembly dimensions

● C1030-W to C8030-W



Model no.	А	В
C1030-W	35	45
C2030-W		
C2530-W	45	00
C3030-W	45	60
C4030-W		
C6030-W	50	70
C8030-W	50	/0

	L3											-																																							
Assembled option		D		S (Note	1)		Р			V			K		DS	(Not	e 1)		DP			DV			DK																									
Model no.	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3																								
C1030-W	40	68	148	40	80	169.5	-	_	-	40	80	160	_	-	-	40	108	197.5	_	-	-	40	108	188		<u> </u>	_																								
C2030-W	50	94.5	181.5	50	113	201.5	50	113	230	50	113	213	50	113	213	50	144.5	233	50	144.5	261.5	50	144.5	244.5	50	144.5	244.5																								
C2530-W	63	94.5	207.5	63	113	227.5	63	113	256	63	113	239	63	113	239	63	144.5	259	63	144.5	287.5	63	144.5	270.5	63	144.5	270.5																								
C3030-W	63	94.5	220.5	63	126	240.5	63	126	269	63	126	252	63	126	252	63	157.5	272	63	157.5	300.5	63	157.5	283.5	63	157.5	283.5																								
C4030-W	80	111.5	271.5	80	160	291.5	80	160	320	80	160	303	80	160	303	80	191.5	323	80	191.5	351.5	80	191.5	334.5	80	191.5	334.5																								
C4030-20-W Note 1	100	111.5	311.5	100	160	311.5	100	160	360	100	160	343	100	160	343	100	191.5	343	100	191.5	391.5	100	191.5	374.5	100	191.5	374.5																								
C6030-W	90	140	320	90	180	355	-	-	-	-	-	-	90	180	360	90	230	405	-	-	-	-	-	-	90	230	410																								
C8030-W	100	150	350	100	200	385	-	-	-	-	-	-	100	200	390	100	250	435	-	-	-	-	-	-	100	250	440																								
Assembled option		DSV	′		DSK			DPV	'		DPK			SV		SV		SV		SV		SV		SV		SV		SV		SV		SV		SV		SV		SV			SK			PV			PK				
Model no.	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3																											
C1030-W	40	136	216	-	-	-	-	-	-	-	-	-	40	108	188.0	-	-	-	-	-	-	-	-	-																											
C2030-W	50	176	276	50	176	276	50	225	325	50	225	325	50	144.5	244.5	50	144.5	244.5	50	193	293	50	193	293																											
C2530-W	63	176	302	63	176	302	63	225	351	63	225	351	63	63 144.5 270.5 63			144.5	270.5	63	193	319	63	193	319																											

L1: Dimensions from the IN edge to center of the T-type bracket mounting hole

63 | 189 | 315

100 223 406

100 300 490

366

80 223

90 280 460 63

238 364

80 271.5 414.5

100 271.5 454.5

63

100

238 364

271.5 454.5

80 271.5 414.5

63 | 157.5 | 283.5

80 | 191.5 | 334.5

100 191.5 374.5

63 | 189 | 315

80 223 366

100 223 406

L2: Spacing dimensions of the mounting hole from the first T-type bracket to the second T-type bracket

L3: Dimensions from the IN edge to the OUT edge

C3030-W

C4030-W

C6030-W

C8030-W

C4030-20-W Note 1

* Refer to page 425 for details on bracket mounting hole dimensions. Note 1:The piping adaptor is assembled on the OUT side. Piping adaptor A400-20-W is attached on the both ends of C4030-20-W.

80 | 191.5 | 334.5 | 80 | 240 | 383

100 191.5 374.5 100 240 423

63 206 332

63

80

100

206 332

240 383

240 423

63 | 157.5 | 283.5

90 230 410

100 250 440

CKD

Standard series F.R.L. unit

High polyme membrane type dryer Air filter W.M. combination standard white Series

C1040/C2040/C3040/C4040/C8040-W Series

Filter/regulator and oilmist filter integrated.

Port size: 1/8 to 1







Specifications

F.R.L.

Clean F.R. pneumat

Speed control valv Silence

Vacuur fi**l**ter

Mechanica pressure S'

Air sensor

Small flow sensor

flow controller

Total air system Total air system (Gamma) Ending

	Opc	cilications												
unit)		Descriptions	C1040-W	C2040-W	C3040-W	C4040-W	C8040-W							
ate)							1000							
act														
se ator														
ed cts)				3	-	- Cal - 1								
n			0	2000 ass (9)	(1)									
atic tor	Appea	arance	9	· ·										
ter			7-	NE NE										
alve														
cer			4			THE STATE OF THE S								
alve		Filter regulator	W1000-W	W2000-W	W3000-W	W4000-W	W8000-W							
	Components	Oil mist filter												
um	Morki	ng fluid	1011000-00	1012000-00	Compressed air	M4000-W	M8000-W							
uiii		orking pressure MPa			1.0 Note 3									
ım ıtor		anding pressure MPa			1.5									
on		t temperature range °C			5 to 60		Note 2							
_		essure range MPa			0.1 to 0.85 N	lote 5 / Note 6	11010 2							
c uffer	Relief		011 10 0.00		With relief mechanism									
cal SW	Port s		1/8, 1/4 (3/8 uses an adaptor)	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)							
c SW		ct weight kg		3.52										
SW close onf.		dary oil concentration		<u> </u>	0.01mg/m³ or less	<u> </u>	<u> </u>							
onf.		ow rate (Note 1) m³/min.	0.15	0.25	0.36	0.825	2.6							
					l.									

Note 1: Maximum flow rate is for the regulator setting pressure 0.7MPa Refer to page 352 for the maximum flow of element option "Y".

Note 2: The working temperature range of the pressure switch with indicator PPD assembly "R1" is 5 to 50°C.

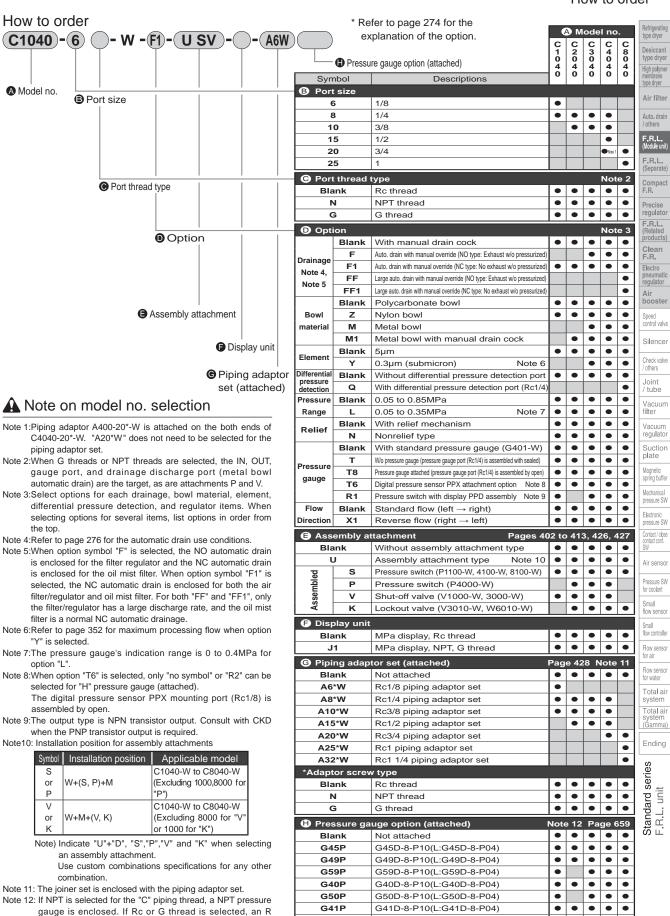
Note 4: Refer to page 360 for details on other oil mist filters.

Note 5: When "F" with an automatic drain is selected, the supply air pressure is 0.2MPa or more. The minimum setting pressure is 0.15MPa. Automatic drain supply air pressure of a filter/regulator is 0.1MPa. Initially generated drainage and air are purged until pressure reaches 0.1 MPa.

Note 6: When "F1" with an automatic drain is selected, the supply air pressure is 0.2MPa or more. The minimum setting pressure is 0.15MPa.

Note 3: When using C1040-W series "F1" with an automatic drain, the minimum operating pressure is 0.2 MPa and maximum operation pressure is 0.7 MPa. Refer to the maximum processing flow table (page 352) for the F1000-W-F1 automatic drain for the maximum working flow. Set the working flow to less than the maximum working flow.

How to order



G52P

R2 Note 8

thread pressure gauge is enclosed.

G52D-8-P10(L:G52D-8-P10)

Digital pressure sensor: PPX-R10N-6M

•

• •

•

•

•

Dimensions CAD

● C1040-W

type dryer

Desiccant type dryer

High polymer membrane type dryer

Air filter

Auto. drain / others

F.R.L. (Module unit) F.R.L. (Separate) Compact F.R. Precise

(Related products)

Clean F.R.

Electro pneumatic regulator

Air booster

Speed control valve Silencer

Joint / tube Vacuum filter

Vacuum regulator Suction plate

Magnetic spring buffer Mechanical pressure SW

Electronic pressure SW Contact / close contact conf.

Air sensor
Pressure SW for coolant

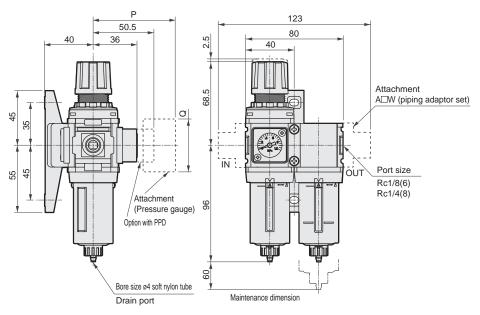
Small flow sensor Small flow controller Flow sensor for air

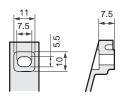
Flow sensor for water

Total air system

Total air system (Gamma)

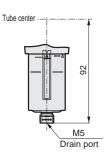
(Gamma)





Enlarged view of bracket section

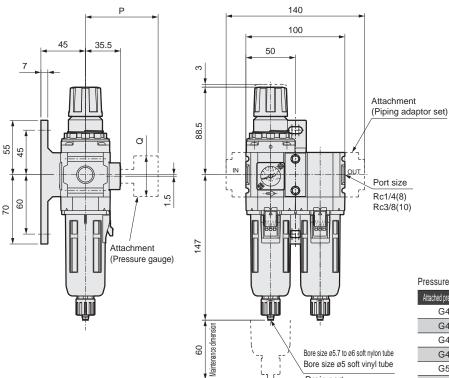
Option dimensions
 With automatic drain (F1)



Pressure gauge attached optional dimensions table

0 0		
Attached pressure gauge	Р	Q
G45P	(74)	ø39
G49P	(73.5)	ø43.5
G59P	(76)	ø52
G40P	(75.5)	ø42.5
G50P	(75.5)	ø52.5
G41P	(74)	ø42
G52P	(86)	ø52.5
R2	(74)	□30

● C2040-W



Drain port

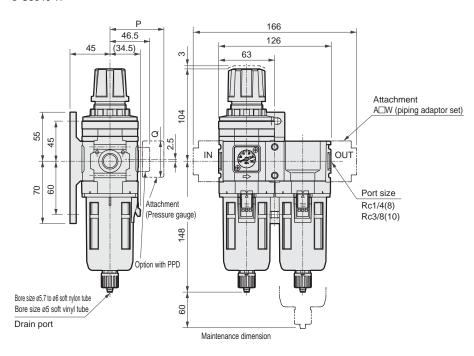
Pressure gauge attached optional dimensions table

Attached pressure gauge	Р	Q
G45P	(73.5)	ø39
G49P	(73)	ø43.5
G40P	(75)	ø42.5
G41P	(73.5)	ø42
G52P	(85.5)	ø52.5
R2	(73)	□30

Dimensions

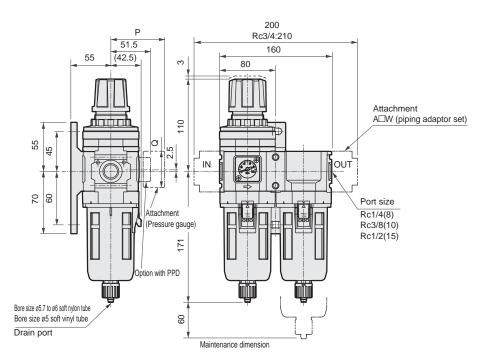


● C3040-W

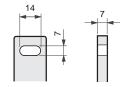


 Refer to page 340 for the dimensions of the metal bowl option filter/ regulator and page 367 for the oil mist filter.

• C4040-W



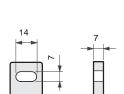
 Refer to page 340 for the dimensions of the metal bowl option filter/ regulator and page 367 for the oil mist filter.



Enlarged view of bracket section

Pressure gauge attached optional dimensions table

i roodaro gaago attadrida optiorial amioriorio tabio							
Attached pressure gauge	Р	Q					
G45P	(70)	ø39					
G49P	(69.5)	ø43.5					
G59P	(72)	ø52					
G40P	(71.5)	ø42.5					
G50P	(71.5)	ø52.5					
G41P	(70)	ø42					
G52P	(82)	ø52.5					
R2	(69.5)	□30					



Enlarged view of bracket section

Pressure gauge attached optional dimensions table

Pressure gauge attached optional dimensions table								
Attached pressure gauge	Р	Q						
G45P	(75)	ø39						
G49P	(74.5)	ø43.5						
G59P	(77)	ø52						
G40P	(76.5)	ø42.5						
G50P	(76.5)	ø52.5						
G41P	(75)	ø42						
G52P	(86)	ø52.5						
R2	(75)	□30						

Refrigerating type dryer

Desiccant type dryer

High polymer membrane type dryer

Air filter

Auto. drain / others

F.R.L. (Module unit)

module unity

F.R.L. (Separate)

Compact F.R.

Precise regulator

F.R.L. (Related products) Clean F.R.

Electro pneumatic regulator

booster

Speed control valve

Silencer

Check valve / others

Joint / tube Vacuum filter

Suction plate

Magnetic spring buffer Mechanical pressure SW

Electronic pressure SW

Contact / close contact conf. SW

Pressure SW for coolant

Small flow sensor Small flow controller

Flow sensor for air

Flow sensor for water

Total air system Total air system (Gamma)

Ending

Standard series F.R.L. unit



Desiccant type dryer High polymer membrane type dryer

Air filter Auto. drain / others

F.R.L. (Module uni

F.R.L. (Separate)

F.R.L. (Related products) Clean F.R. Electro pneumatic regulator

Speed control valve Silence

Joint / tube

Vacuum fi**l**ter Vacuum regu**l**ator Suction plate

Magnetic spring buffer Mechanical pressure SW

Electronic pressure SW

Air sensor

Pressure SW for coolant

Small flow sensor Small flow controller

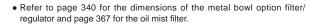
Flow sensor for air

Total air system Total air system (Gamma)

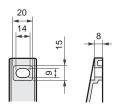
Ending



270 Rc1 1/4:276 61.5 200 100 65 50 Attachment 159 A□W (piping adaptor set) Ø 20 OUT Port size Áttachment Rc3/4(20) (Pressure gauge) Rc 1 (25) Option with PPD Bore size ø5.7 to ø6 soft nylon tube Bore size ø5 soft vinyl tube



Maintenance dimension



Enlarged view of bracket section

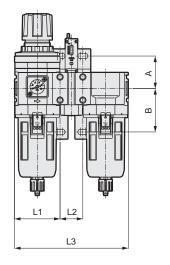
Pressure gauge attached optional dimensions table

Attached pressure gauge	Р	Q
G45P	(85)	ø39
G49P	(84.5)	ø43.5
G59P	(87)	ø52
G40P	(86.5)	ø42.5
G50P	(86.5)	ø52.5
G41P	(85)	ø42
G52P	(98)	ø52.5
R2	(85)	□30

Option assembly dimensions

Option assembly dimensions

• C1040-W to C8040-W



Model no.	А	В
C1040-W	35	45
C2040-W		
C3040-W	45	60
C4040-W		
C8040-W	50	70

	-	
		F.R.L. (Module unit)
45	60	F.R.L. (Separate)
50	70	Compact F.R.
		Precise regulator
		F.R.L. (Related

Desiccant type dryer High polymer membrane type dryer Air filter

Assembled option	ssembled option S		Р		V		K		SV		SK			PV		PK								
Model no.	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
C1040-W	40	28	108	-	-	-	40	40	120	-	-	-	40	68	148	-	-	-	-	-	-	-	-	-
C2040-W	50	31.5	131.5	50	80	180	50	63	163	50	63	163	50	81.5	194.5	50	81.5	194.5	50	130	243	50	130	243
C3040-W	63	31.5	157.5	63	80	206	63	63	189	63	63	189	63	94.5	220.5	63	94.5	220.5	63	143	269	63	143	269
C4040-W	80	31.5	191.5	80	80	240	80	80	223	80	80	223	80	111.5	254.5	80	111.5	254.5	80	160	320	80	160	320
C4040-20-W Note 1	100	31.5	231.5	100	80	280	100	100	263	100	100	263	100	111.5	294.5	100	111.5	294.5	100	160	343	100	160	343
C8040-W	100	50	250	1	1	-	-	-	-	100	100	290	-	-	-	100	150	340	-	-	-	-	ı	-

- L1: Dimensions from the IN edge to center of the T-type bracket mounting hole
- L2: Spacing dimensions of the mounting hole from the first T-type bracket to the second T-type bracket L3: Dimensions from the IN edge to the OUT edge
- * Refer to page 425 for details on bracket mounting hole dimensions. Note 1: The piping adaptor is assembled on the OUT side.

Piping adaptor A400-20-W is attached on the both ends of C4040-20-W.

Auto. drain / others Clean F.R. Electro pneumatic regulator Speed control valve Silencer Check valve / others Joint / tube Vacuum filter Vacuum regulator Suction plate Magnetic spring buffer Mechanical pressure SW Electronic pressure SW Contact / close contact conf. SW Air sensor Small flow sensor Small flow controller Flow sensor for air Flow sensor for water Total air system Total air system (Gamma)

Ending

Standard series F.R.L. unit

Refrigerating type dryer Desiccant type drye High polyme membrane type dryer Air filter

R.M. combination standard white Series

C1050/C2050/C2550 C3050/C4050/C6050/C8050-W Series

Regulator and oilmist filter integrated.

Port size: 1/8 to 1

JIS symbol





Specifications

F.R.L.

Contact / close contact conf. SW

Air sensor

Pressure SW

Small flow sensor Small flow controller Flow sensor for air

Total air system Total air system (Gamma) Ending

FRI	Ope	Cilication	ıs								
F.R.L. (Module unit)		Descriptions	S	C1050-W	C2050-W	C2550-W	C3050-W	C4050-W	C6050-W	C8050-W	
F.R.L. (Separate)											
Compact F.R.							6			45 (0)	
Precise regulator						100					
F.R.L. (Related products)	Appea	arance			e	30					
Clean F.R.										E.C.	
Electro pneumatic regulator				m fit					-	-	
Air booster	,				•						
Speed control valve	Components	Regulator		R1000-W	R2000-W	R2000-W	R3000-W	R4000-W	R6000-W	R8000-W	
Silencer	Components	Oil mist filter	r	M1000-W	M2000-W	M3000-W	M3000-W	M4000-W	M6000-W	M8000-W	
	Worki	ng fluid		Compressed air							
Check valve / others	Max. w	orking pressure	e MPa		1.0 Note 3						
Joint / tube	Withsta	anding pressure	e MPa				1.5				
Vacuum	Ambier	nt temperature ra	ange °C				5 to 60		Note 2		
filter	Set pr	ressure range	e MPa	0.1 to 0.85 Note 3			0.1 to 0.8	5 Note 4		_	
Vacuum regu l ator	Relief					Wi	th relief mechani	sm			
Suction plate	Port s	size Rc, N	IPT, G	1/8, 1/4 (3/8 uses an adaptor)	1/4, 3/8 (1/2 uses an adaptor)	1/4, 3/8 (1/2 uses an adaptor)	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)	3/4, 1 (1 1/4 uses an adaptor)	
Magnetic spring buffer	Produ	ict weight	kg		0.65	0.66	0.82	1.32	2.12	3.12	
Mechanical pressure SW	Second	dary oil concent	tration			(0.01mg/m³ or less	5			
Electronic	Max. flo	w rate (Note 1)	m³/min.	0.15	0.25	0.38	0.36	0.825	1.27	2.6	
pressure SW											

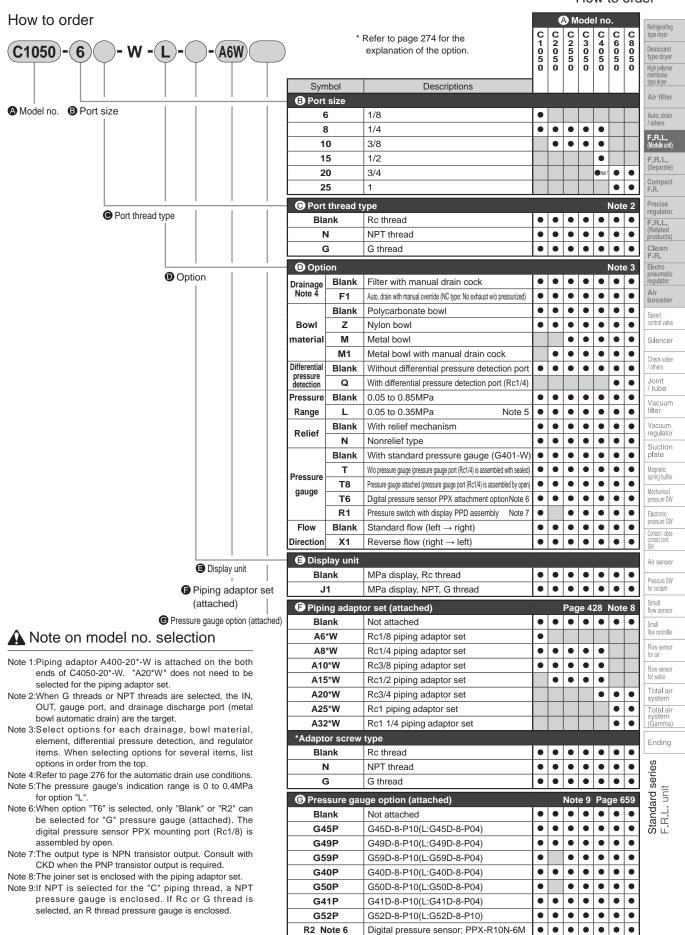
Note 2: The working temperature range of the pressure switch with indicator PPD assembly "R1" is 5 to 50°C.

Note 4: The supply air pressure is 0.2 MPa or more with a minimum setting pressure of 0.15 MPa.

Note 5: Refer to page 360 for details on other oil mist filters.

Note 3: When "F1" with an automatic drain is selected for the C1050-W series, minimum operating pressure is 0.2 MPa, maximum operation pressure is 0.7 MPa. Refer to the maximum processing flow table (page 362) for the M1000-W-F1 automatic drain for the maximum working flow. Set the working flow to less than the maximum working flow.

How to order



Dimensions



Desiccant type drye High polyme membrane type dryer

Air filter Auto. drain / others

F.R.L. F.R.L. (Separate

Clean F.R. Electro pneumatio regulator

Speed control valve Silence

Vacuum fi**l**ter

Suction plate Magnetic spring buffer

Mechanical pressure SW

Electronic pressure SW

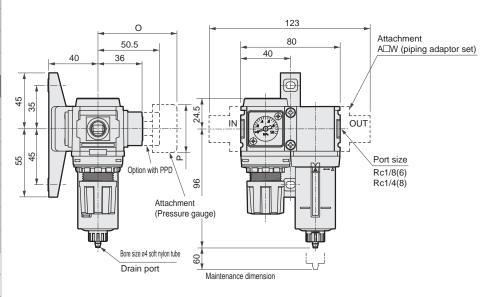
Air senso Pressure SW for coolant

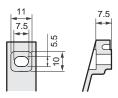
Small flow sensor Small flow controller

Flow sensor for air Total air system Total air system (Gamma)

Ending

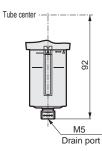
● C1050-W





Enlarged view of bracket section

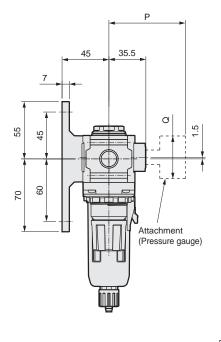
 Option dimensions With automatic drain (F1)

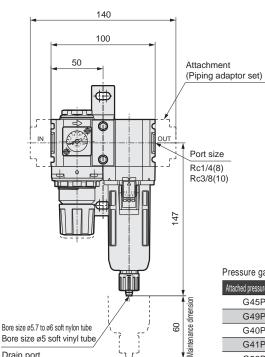


Pressure gauge attached optional dimensions table

Troodard gaage attached optional almonolone table								
Attached pressure gauge	0	Р						
G45P	(74)	ø39						
G49P	(73.5)	ø43.5						
G59P	(76)	ø52						
G40P	(75.5)	ø42.5						
G50P	(75.5)	ø52.5						
G41P	(74)	ø42						
G52P	(86)	ø52.5						
R2	(74)	□30						

● C2050-W





Bore size ø5 soft vinyl tube,

Drain port

Pressure gauge attached optional dimensions table

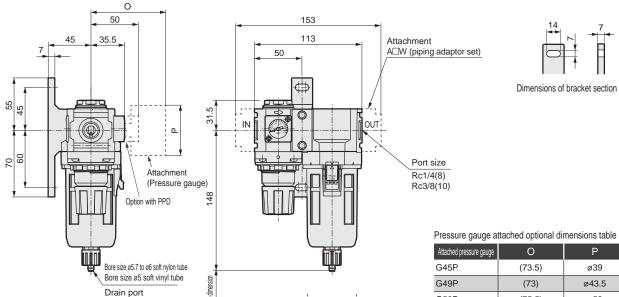
Attached pressure gauge	Р	Q
G45P	(73.5)	ø39
G49P	(73)	ø43.5
G40P	(75)	ø42.5
G41P	(73.5)	ø42
G52P	(85.5)	ø52.5
R2	(73)	□30

Dimensions



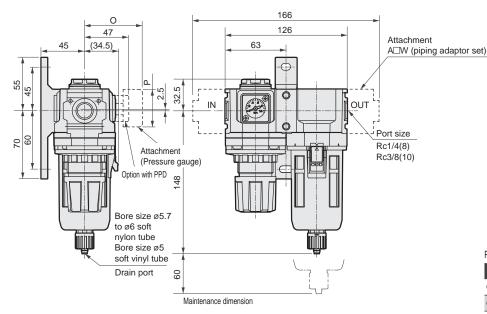


● C2550-W

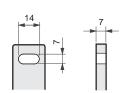


	•			
Attached pressure gauge	0	Р		
G45P	(73.5)	ø39		
G49P	(73)	ø43.5		
G59P	(75.5)	ø52		
G40P	(75)	ø42.5		
G50P	(75)	ø52.5		
G41P	(73.5)	ø42		
G52P	(85.5)	ø52.5		
R2	(73)	□30		

● C3050-W



• Refer to page 367 for the dimensions of metal bowl.



Enlarged view of bracket section

Pressure gauge attached optional dimensions table

33.		
Attached pressure gauge	0	Р
G45P	(70)	ø39
G49P	(69.5)	ø43.5
G59P	(72)	ø52
G40P	(71.5)	ø42.5
G50P	(71.5)	ø52.5
G41P	(70)	ø42
G52P	(82)	ø52.5
R2	(69.5)	□30

Desiccant type dryer High polymer membrane type dryer Air filter Auto. drain / others

F.R.L. (Module unit)

F.R.L. (Separate)

Compact F.R.

Precise regulator F.R.L. (Related products) Clean F.R.

Electro pneumatic regulator Air booster

Speed control valve

Silencer Check valve / others Joint / tube Vacuum filter Vacuum regulator

Suction plate Magnetic spring buffer

Mechanical pressure SW

Electronic pressure SW Contact / close contact conf. SW

Air sensor

Pressure SW for coolant Small flow sensor

Small flow controller

Flow sensor for air

Flow sensor for water Total air system Total air system (Gamma)

Ending

Standard series F.R.L. unit



● C4050-W



Desiccant type drye High polyme membrane type dryer Air filter

Auto. drain / others F.R.L.

F.R.L. (Separate Clean F.R.

Electro pneumatic regulator Speed control valve

Silence

Vacuum fi**l**ter Vacuum

Suction plate Magnetic spring buffer

Mechanical

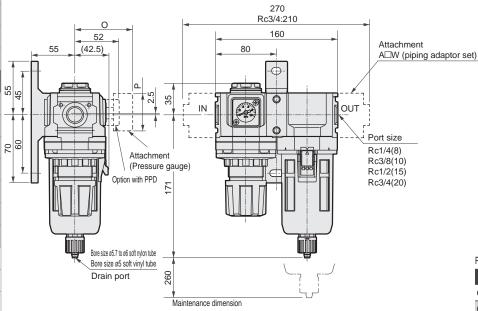
pressure SW Electronic pressure SW Contact / close contact conf.

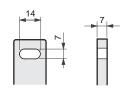
Air senso Pressure SW for coolant

Small flow sensor Small flow controlle Flow sensor for air

Total air system Total air system (Gamma)

Ending





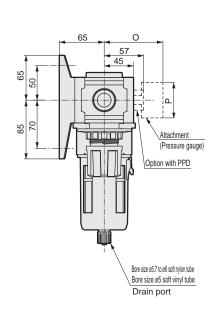
Enlarged view of bracket section

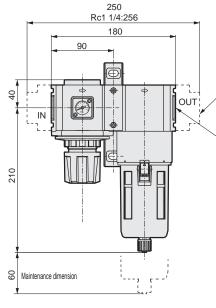
Pressure gauge attached optional dimensions table

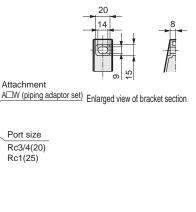
Attached pressure gauge	0	Р
G45P	(75)	ø39
G49P	(74.5)	ø43.5
G59P	(77)	ø52
G40P	(76.5)	ø42.5
G50P	(76.5)	ø52.5
G41P	(75)	ø42
G52P	(86)	ø52.5
R2	(75)	□30

• Refer to page 367 for the dimensions of metal bowl.

● C6050-W







Pressure gauge attached optional dimensions table

33					
Attached pressure gauge	0	Р			
G45P	(80)	ø39			
G49P	(79.5)	ø43.5			
G59P	(82)	ø52			
G40P	(81.5)	ø42.5			
G50P	(81.5)	ø2.5			
G42P	(80)	ø42			
G52P	(93) ø52.5				
R2	(80)	□30			

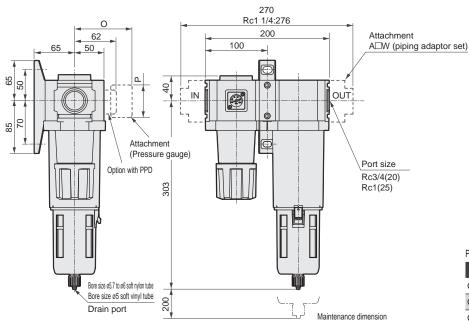
Dimensions



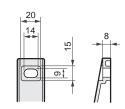


• Refer to page 367 for the dimensions of metal bowl.

● C8050-W



- Wallierlance universion Goope



Enlarged view of bracket section

Pressure gauge attached optional dimensions table

0 0		
Attached pressure gauge	0	Р
G45P	(85)	ø39
G49P	(84.5)	ø43.5
G59P	(87)	ø52
G40P	(86.5)	ø42.5
G50P	(86.5)	ø52.5
G41P	(85)	ø42
G52P	(98)	ø52.5
R2	(85)	□30

Refrigerating type dryer

Desiccant type dryer

High polymer membrane type dryer

Air filter

Auto. drain
/ others

F.R.L. (Module unit)

F.R.L. (Separate) Compact F.R.

Precise regulator F.R.L. (Related products) Clean F.R.

Electro
pneumatic
regulator

Air
booster

Speed control valve

Silencer
Check valve / others
Joint / tube
Vacuum filter
Vacuum regulator
Suction plate

Magnetic spring buffer

Mechanical pressure SW

Electronic pressure SW Contact / close contact conf. SW

Air sensor

Pressure SW for coolant

Small flow sensor Small flow controller

Flow sensor for air

Flow sensor for water

Total air system

Total air system (Gamma)

Ending

Standard series F.R.L. unit Refrigerating type dryer
Desiccant type dryer
High polymer membrane type dryer
Air filter

F.M. combination standard white Series

C1060/C2060/C3060/ C4060/C6060/C8060-W Series

Filter and oilmist filter integrated.

Port size: 1/8 to 1

JIS symbol







Specifications

F.R.L. (Module unit F.R.L. (Separate

F.R.L. (Related products)

Clean F.R.

Electro pneumatic regulator

Speed control valve Silencer

Vacuum filter

Suction plate Magnetic spring buffer

Mechanical pressure SW

Electronic pressure SW

Contact / close contact conf.

Air senso

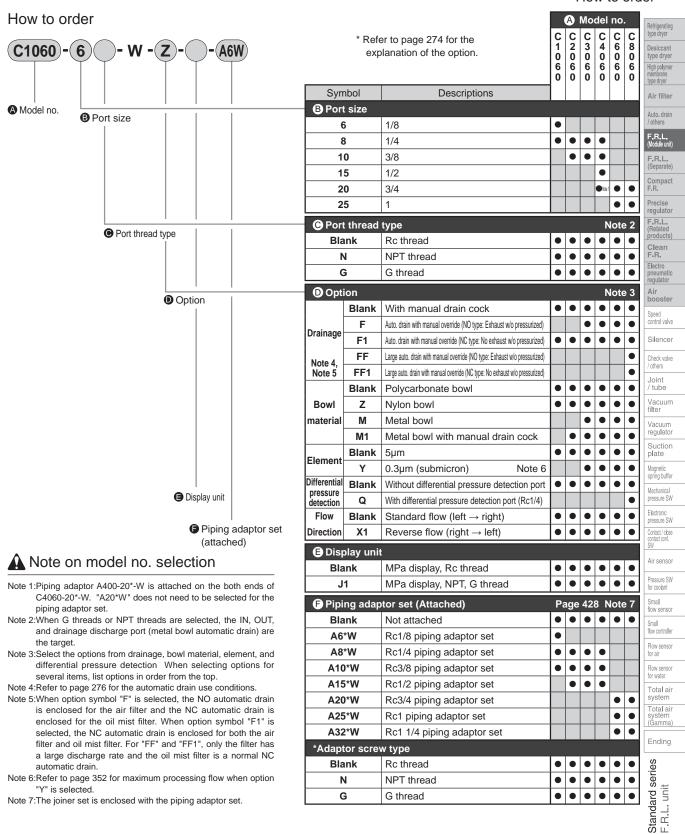
Pressure SW for coolant Small flow sensor Small flow controller Flow sensor for air

Total air system Total air system (Gamma)

Comoations						
Descriptions	C1060-W	C2060-W	C3060-W	C4060-W	C6060-W	C8060-W
pearance						
Filter	F1000-W	F2000-W	F3000-W	F4000-W	F6000-W	F8000-W
Oil mist filter	M1000-W	M2000-W	M3000-W	M4000-W	M6000-W	M8000-W
Working fluid		Compressed air				
working pressure MPa	1.0 Notes 3, 4, 5					
nstanding pressure MPa	1.5 Note 3					
ient temperature range °C	5 to 60					
t size Rc, NPT, G	1/8, 1/4 (3/8 uses an adaptor)	1/4, 3/8 (1/2 uses an adaptor)	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)	3/4, 1 (1 1/4 uses an adaptor)
duct weight kg	0.22	0.58	0.62	1.06	2.02	2.68
ondary oil concentration		-	0.01mg/r	n ³ or less		
. flow (Notes 1, 2) m ³ /min.	0.15 Note 3	0.25	0.36	0.825	1.27	2.6
	Pearance Filter Oil mist filter rking fluid working pressure MPa istanding pressure MPa istanding pressure MPa dient temperature range °C t size Rc, NPT, G duct weight kg ondary oil concentration	Descriptions C1060-W Pearance Filter F1000-W Oil mist filter M1000-W rking fluid . working pressure MPa istanding pressure MPa itent temperature range °C t size Rc, NPT, G duct weight kg 0.22 ondary oil concentration	Descriptions C1060-W C2060-W Pearance Filter F1000-W F2000-W Oil mist filter M1000-W M2000-W rking fluid . working pressure MPa instanding pressure MPa intent temperature range °C is size Rc, NPT, G 1/8, 1/4 (3/8 uses an adaptor) duct weight kg 0.22 0.58 ondary oil concentration	Descriptions C1060-W C2060-W C3060-W	Pearance Property Property	Filter

- Note 1: The maximum flow is for a primary pressure of 0.7 MPa.
- Note 2: When selecting the element option "Y", refer to page 352 for the maximum flow. The working flow must be less than the maximum working flow.
- Note 3: When "F1" with an automatic drain is selected, the NC automatic drain is enclosed for both the filter and oil mist filter. The minimum operation pressure is 0.2 MPa, maximum operation pressure is 0.7 MPa and with
- Note 4: When "F" with an automatic drain is selected, the supply air pressure is 0.15 MPa or more. Air is purged with initial drainage until pressure reaches 0.1 MPa.
- Note 5: When "F1" with an automatic drain is selected, the supply air pressure is 0.15 MPa or more.
- Note 6: Refer to page 360 for details on other oil mist filters.

How to order







High polyme membrane type dryer Air filter

Auto. drain / others

F.R.L. F.R.L. (Separate)

Clean F.R. Electro pneumatic regulator

Speed control valve Silence

Vacuum fi**l**ter

Suction plate

Magnetic spring buffer Mechanical pressure SW

Electronic pressure SW Contact / close contact conf. SW

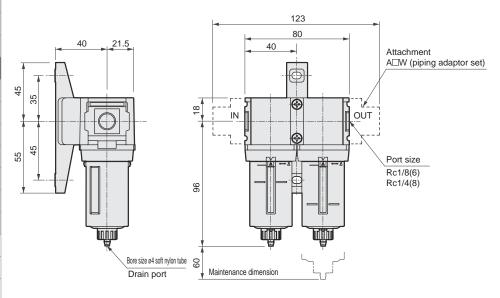
Air senso Pressure SW for coolant

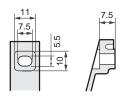
Small flow sensor Small flow controller Flow sensor for air

Total air system Total air system (Gamma)

Ending

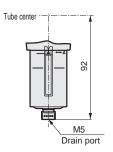
● C1060-W



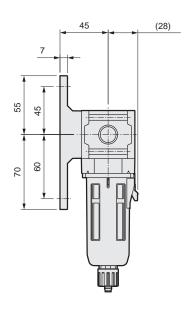


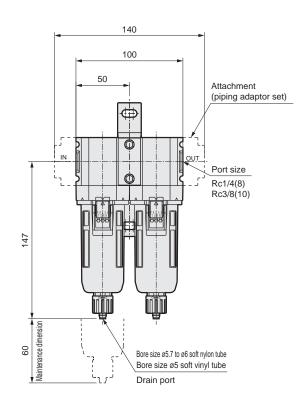
Enlarged view of bracket section

• Option dimensions With automatic drain (F1)



● C2060-W



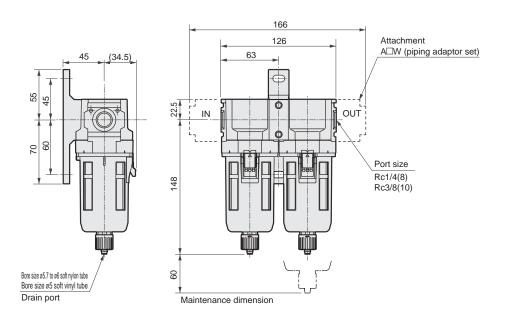


Dimensions





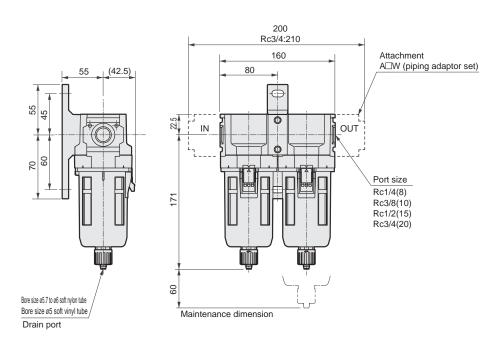
● C3060-W

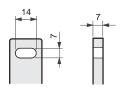


Enlarged view of bracket section

• Refer to page 357 for the dimensions of the metal bowl option filter and page 367 for the oil mist filter.

• C4060-W





Enlarged view of bracket section

• Refer to page 357 for the dimensions of the metal bowl option filter and page 367 for the oil mist filter.

Desiccant type dryer High polymer membrane type dryer

Air filter

Auto. drain / others F.R.L. (Module unit

F.R.L. (Separate)

Compact F.R.

Precise regulator

F.R.L. (Related products) Clean F.R.

Electro pneumatic regulator Air booster

Speed control valve

Silencer

Check valve / others

Joint / tube

Vacuum filter

Vacuum regulator Suction plate

Magnetic spring buffer

Mechanical pressure SW

Electronic pressure SW

Contact / close contact conf. SW Air sensor

Pressure SW for coolant

Small flow sensor

Small flow controller

Flow sensor for air

Flow sensor for water

Total air system Total air system (Gamma)

Ending

Standard series F.R.L. unit

Dimensions



Desiccant type dryer High polymer membrane type dryer

Air filter
Auto. drain

F.R.L. (Module uni

(Module unit
F.R.L.
(Separate
Compact
F.R.

Precise
regulator
F.R.L.
(Related
products)

Products)
Clean
F.R.
Electro
pneumatic
regulator
Air
booster

Silencer
Check valve
/ others

Joint
/ tube

Speed control valve

Vacuum filter Vacuum regulator Suction plate

Magnetic spring buffer Mechanical pressure SW Electronic pressure SW

Contact / close contact conf. SW

Pressure SW for coolant

Small flow sensor

Small flow controller

Flow sensor for air

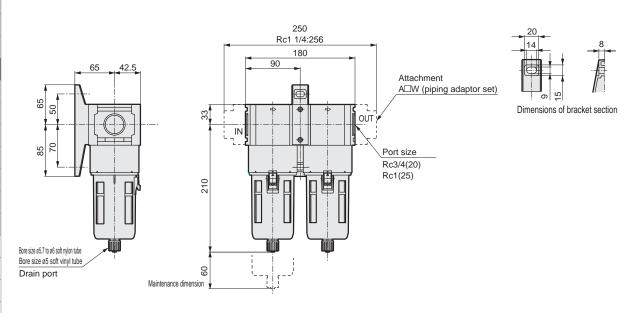
Flow sensor for water

Total air system

Total air system (Gamma)

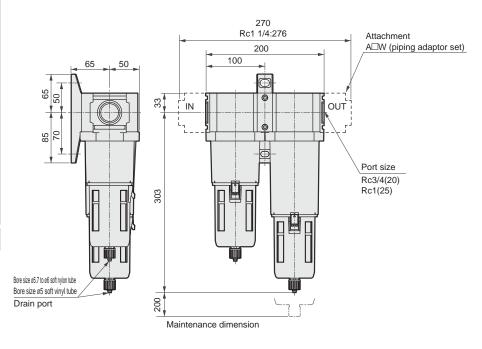
Ending

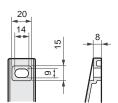
● C6060-W



 Refer to page 357 for the dimensions of the metal bowl option filter and page 367 for the oil mist filter.

● C8060-W





Enlarged view of bracket section

 Refer to page 357 for the dimensions of the metal bowl option filter and page 367 for the oil mist filter.

MEMO

Desiccant type dryer High polymer membrane type dryer

Air filter

Auto. drain / others

F.R.L. (Module unit)

F.R.L. (Separate)

Compact F.R.

Precise regulator F.R.L. (Related products)

Clean F-R. Electro pneumatic regulator

Air booster

Speed control valve

Silencer

Check valve / others Joint / tube

Vacuum filter

Vacuum regulator

Suction

Magnetic spring buffer

Mechanical pressure SW

Electronic pressure SW

Contact / close contact conf.
SW

Air sensor

Pressure SW for coolant

Small flow sensor

Small flow controller

Flow sensor for air

Flow sensor for water

Total air system Total air system (Gamma)

Ending

Standard series F.R.L. unit

Refrigerating type dryer Desiccant type drye High polyme membrane type dryer Air filter

F.F.M. combination standard white Series

C3070/C4070/C6070/C8070-W Series

5µm filter, 0.3µm filter and oilmist filter integrated.

Port size: 1/4 to 1







Specifications

F.R.L

Mechanical

pressure SW

Contact / close contact conf. SW Air sensor

Small flow controller Flow sensor for air

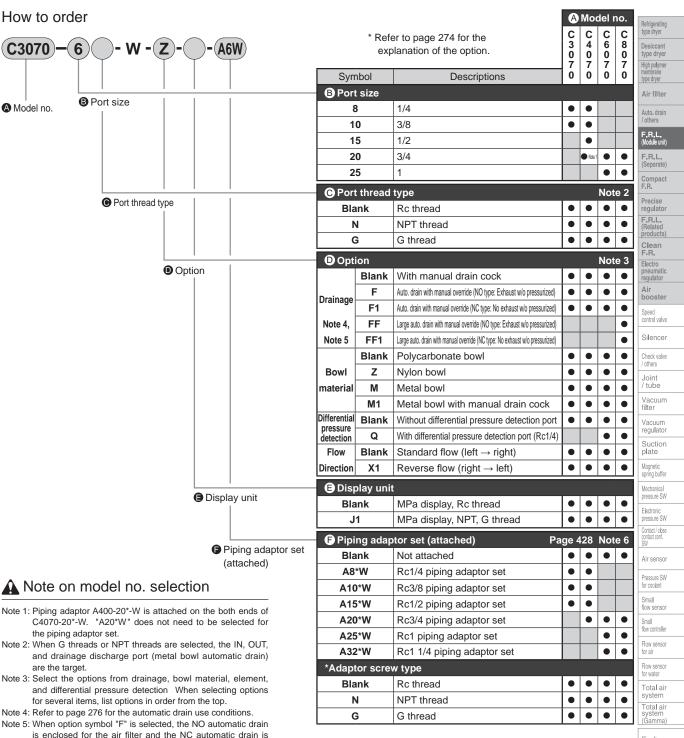
Total air system Total air system (Gamma) Ending

F.R.L. (Module unit)		Descriptions	C3070-W	C4070-W	C6070-W	C8070-W	
F.R.L. (Separate)	Appearance						
Compact F.R.							
Precise regulator							
F.R.L. (Related products)							
Clean F.R.				FE IN TO			
Electro pneumatic regulator							
Air booster			•				
Speed control valve		Filter (5µm)	F3000-W	F4000-W	F6000-W	F8000-W	
Silencer	Components	Filter (0.3µm)	F3000-W	F4000-W	F6000-W	F8000-W	
		Oil mist filter	M3000-W	M4000-W	M6000-W	M8000-W	
Check valve / others	Working fluid			Compressed air			
Joint / tube	Max. w	orking pressure MPa		1.	.0 Notes 2, 3		
Vacuum	Withstanding pressure, MPa				.5		
filter	Ambient temperature range °C			5 to 60			
Vacuum regu l ator	Port s	ize 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)	3/4, 1 (1 1/4 uses an adaptor)	
Suction	Produ	ct weight kg	0.96	1.61	3.09	4.01	
Magnetic	Secondary oil concentration			0.01mg/m³ or less			
spring buffer	Max. flo	ow rate (Note 1) m³/min.	0.23	0.5	0.8	1.1	

Note 1: The maximum flow is for a primary pressure of 0.7 MPa.

Note 2: When "F" with an automatic drain is selected, the supply air pressure is 0.15 MPa or more. Air is purged with initial drainage until pressure reaches 0.1 MPa. Note 3: When "F1" with an automatic drain is selected, the supply air pressure is 0.15 MPa or more.

Note 4: Refer to page 360 for details on other oil mist filters.



enclosed for the oil mist filter. When option symbol "F1" is selected, the NC automatic drain is enclosed for both the air

filter and oil mist filter. For "FF" and "FF1", only the filter has a large discharge rate and the oil mist filter is a normal NC

Note 6: The joiner set is enclosed with the piping adaptor set.

automatic drain.

Ending

Standard series F.R.L. unit

Dimensions



Desiccant type dryer High polymer membrane type dryer

Air filter

Auto. drain

F.R.L. (Module unit F.R.L. (Separate

Precise
regulator
F.R.L.
(Related
products)
Clean
F.R.
Electro
pneumatic
regulator
Air

Speed control valve

Silencer

Check valve / others

Joint / tube

Vacuum filter Vacuum regulator Suction plate

Magnetic spring buffer Mechanical pressure SW

Electronic pressure SW Contact / close contact conf. SW

Air sensor

Pressure SW for coolant

Small flow sensor

Small flow controller Flow sensor for air

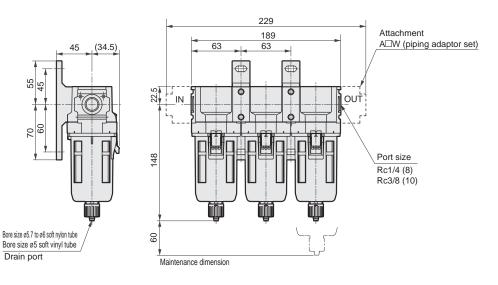
Flow sensor for water

Total air system

Total air system (Gamma)

Ending

● C3070-W

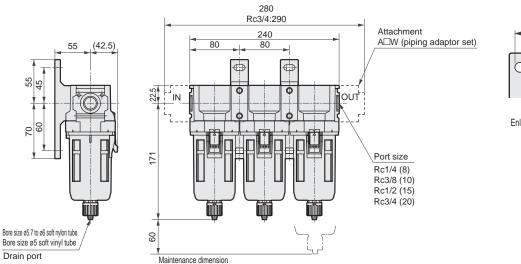


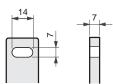
14

Enlarged view of bracket section

 Refer to page 357 for the dimensions of the metal bowl option filter and page 367 for the oil mist filter.

● C4070-W





Enlarged view of bracket section

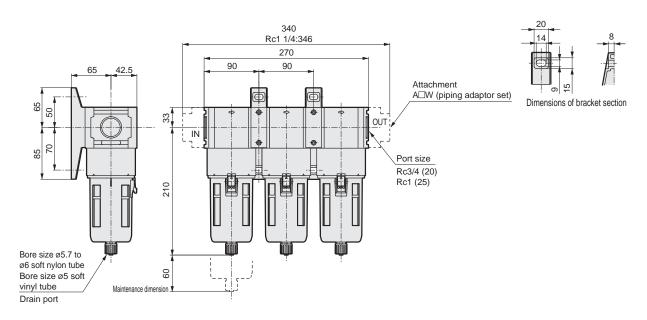
 Refer to page 357 for the dimensions of the metal bowl option filter and page 367 for the oil mist filter.

Dimensions



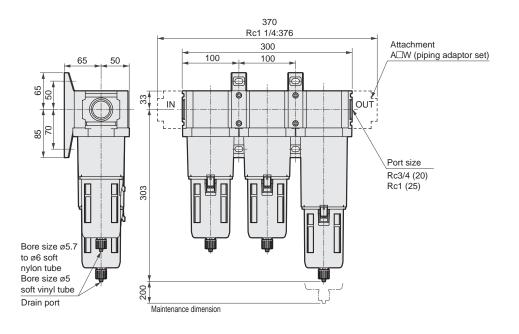


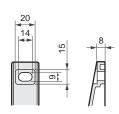
● C6070-W



 Refer to page 357 for the dimensions of the metal bowl option filter and page 367 for the oil mist filter.

● C8070-W





Enlarged view of bracket section

Refrigerating type dryer

Desiccant type dryer

High polymer membrane type dryer

Air filter

Auto. drain
/ others

F.R.L. (Module unit)

(Module unit)
F.R.L.
(Separate)

Compact F.R.

Precise regulator

F.R.L. (Related products) Clean F.R. Electro

Electro
pneumatic
regulator

Air
booster

Speed control valve

Silencer

Check valve / others Joint / tube

Vacuum filter

Vacuum regulator

Suction plate Magnetic spring buffer

Mechanical pressure SW

Electronic pressure SW Contact / close contact conf. SW

Air sensor

Pressure SW for coolant

Small flow sensor Small flow controller

Flow sensor for air

Flow sensor for water

Total air system Total air system (Gamma)

Ending

Standard series F.R.L. unit

 Refer to page 357 for the dimensions of the metal bowl option filter and page 367 for the oil mist filter.