Discontinue

Refrigerating type dryer

GX3200 Series

Standard inlet air type

Applicable air compressor: 15, 22, 37kW

JIS symbol 

Specifications

Model no.			GX3215	GX3222	GX3237
Applicable air compressor		kW	15	22	37
Specified range	Working fluid		Compressed air		
	Inlet air temperature	℃	5 to 50		
	Inlet air pressure	MPa	0.1 to 1.0		
	Ambient temperature	℃	2 to 40		
Rated	Treated flow rate (Note2)	m^3/min(ANR) 50/60Hz	2.40/2.80	3.70/4.20	5.70/6.10
	Treated flow rate (Compressor suction state)	m^3/min. 50/60Hz (Note3)	2.52/2.94	3.88/4.41	5.98/6.40
	Inlet air temperature	℃	35		
	Inlet air pressure	MPa	0.7		
	Ambient temperature	℃	32		
Performance	Outlet air pressure dew point	℃(Note4)	10		
	Pressure drop	MPa 50/60Hz (Note5)	0.012/0.017	0.024/0.031	0.023/0.026
Power supply			Three phase 200/200-220VAC 50/60Hz		
Electric specifications	Power consumption	kW 50/60Hz(Note 6)	0.65/0.78, 0.81	0.73/0.89, 0.89	1.37/1.76, 1.77
	Operating current	A 50/60Hz (Note6)	2.8/2.7, 2.7	2.5/2.7, 2.6	5.1/5.6, 5.4
	Starting current	A 50/60Hz	17.3/16.5	14.0/12.2	27.5/26.5
Refrigerant			R-407C		
Air inlet/outlet port size			R1	R1	R1 1/2
Product weight		kg	39	44	73
Exhaust heat		kW 50/60Hz	1.7/2.0	2.5/2.8	4.1/4.7

Note 1. Outer panel: Quality cool white (munsell No. 5GY7.5/0.5)
Base : munsell No.N3.0
Note 2. ANR shows conditions where 20°C atmospheric pressure and relative humidity 65%.
Note 3. Value converted into air compressor intake state at 32°C atmospheric pressure and relative humidity 75%.
Note 4. Contact CKD for information on the dew point performance guarantee.
Note 5. The pressure drop value is a typical value and is not a guaranteed value.
Note 6. The energy consumption and operation current are both references values under the rated conditions, and are not guaranteed.

Discontinue

How to order

GX32 (15) - (M) - AC200V

Ⓐ Capacity code

Ⓑ Option Note1

Symbol	Descriptions
Ⓐ Capacity code	
15	15kW
22	22kW
37	37kW
Ⓑ Option	
Blank	Standard products
M	Operation / fault signal output
H2	SUS name plate
H3	Simple export packaging Note2
N1	Copper tube rust proof coating

Note on model no. selection

Note 1：Indicate options in alphabetical order.
Note 2：Option H3 is packaged in plywood.
Note 3：An instruction manual and name plate are allowing both indicated Japanese and English.
Note 4：Contact CKD if a photo of the completed product is required.
Note 5：Consult with CKD to designate the color of the main panel.

Selection guide

To find applicable models according to maximum treating air flow rate
Standard treating flow rate x pressure dew point coefficient x inlet air temperature coefficient x ambient temperature coefficient x inlet air pressure correction coefficient = max. treating air flow rate

Conditions	Working conditions	Selecting conditions	Coefficient
Pressure dew point	Less than 7°C	5°C	0.58
Inlet air temperature	35 to 43°C	45°C	0.65
Ambient temperature	25 to 33°C	35°C	0.90
Inlet air pressure	0.55 to 0.75MPa	0.5MPa	0.89
Frequency	50Hz	50Hz	50Hz

Substitute the above conditions into the equation above to obtain the treating air flow rate when using the GX3215.
2.40x0.58x0.65x0.90x0.89=0.72m³/min
If the working air rate is less than this value, select that model.
Note. Select a model where the product per coefficient does not exceed 1.3.

① Pressure dew point coefficient

Pressure dew point	Coefficient
15°C	1.15
10°C	1.00
7°C	0.72
5°C	0.58

② Inlet air temperature coefficient

Inlet air temperature	Coefficient
25°C	1.25
30°C	1.13
35°C	1.00
40°C	0.80
45°C	0.65
50°C	0.54

③ Ambient temperature coefficient

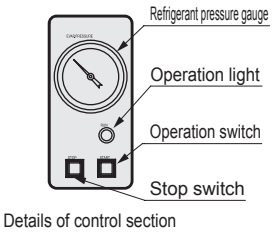
Ambient temperature	Coefficient
25°C	1.08
30°C	1.02
32°C	1.00
35°C	0.90
40°C	0.72

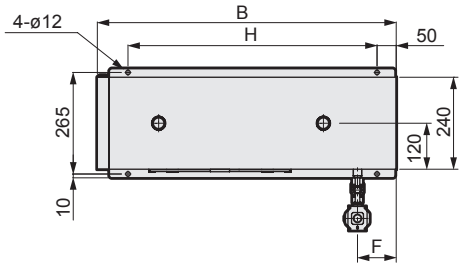
④ Inlet air pressure coefficient

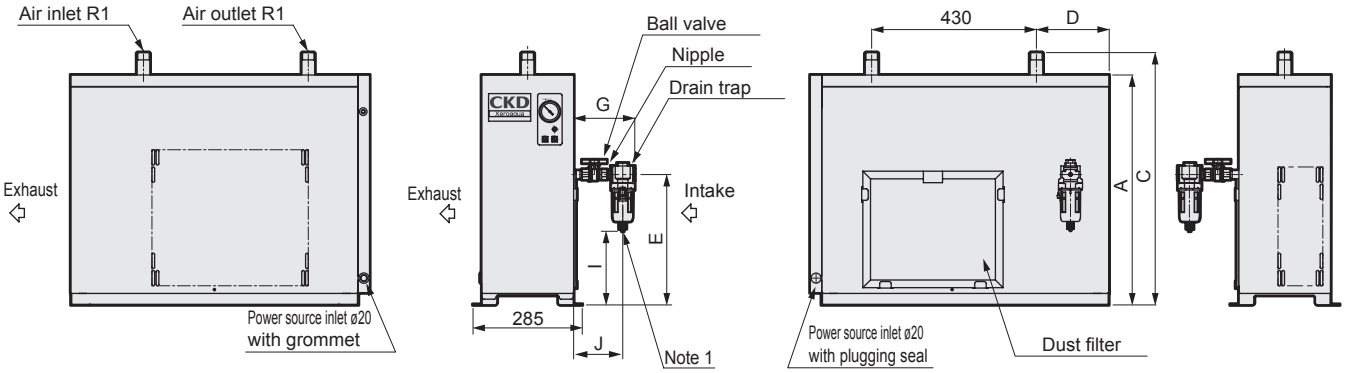
Inlet air pressure	Coefficient
0.1MPa	0.50
0.2MPa	0.65
0.3MPa	0.75
0.4MPa	0.83
0.5MPa	0.89
0.6MPa	0.94
0.7MPa	1.00
0.8MPa	1.01
0.9MPa	1.02
1.0MPa	1.03

Dimensions

● GX3215, GX3222



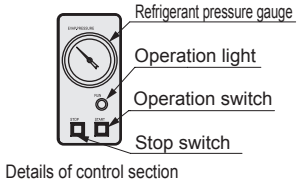


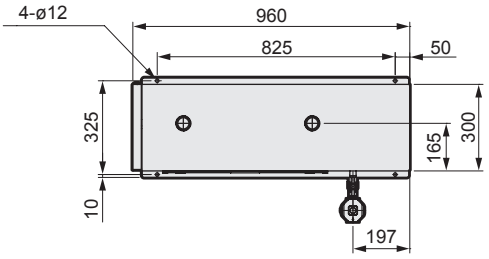


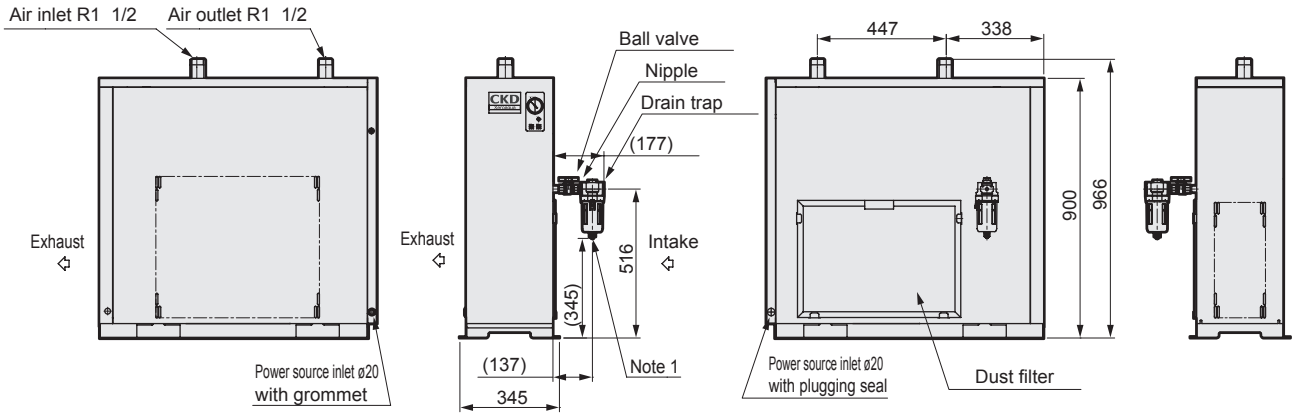
Note 1 Directly connect the inner diameter ø5.7 to ø6.0 nylon tube onto the drain cock.
Note 2 The drain trap, ball valve and nipple are accessories.

Model no.	A	B	C	D	E	F	G	H	I	J
GX3215	600	780	658	190	340	101	(160)	650	(192)	(128)
GX3222	630	870	689	280	370	105	(177)	740	(200)	(137)

● GX3237



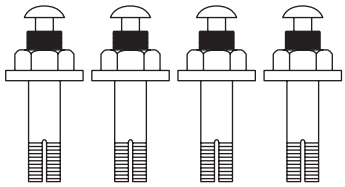




Note 1 Directly connect the inner diameter ø5.7 to ø6.0 nylon tube onto the drain cock.
Note 2 The drain trap, ball valve and nipple are accessories.

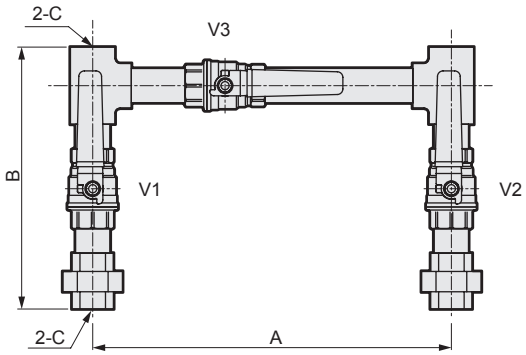
Accessories (optional)

Anchor bolt set (optional)



No.	Applicable model	Size	Material	Quantity
RD-QFL-436495	GX3215, GX3222 GX3237	M10 x 100	SUS	4

By-pass piping set (optional)



No.	Applicable model	A	B	C
RD-AD3-219888	GX3215, GX3222	430	258	Rc1
RD-AD3-219889	GX3237	447	314	Rc1 1/2

V1,V2,V3 : Ball valve
V1, V2 : Normally open NORMAL OPEN
V3 : Normally closed NORMAL CLOSE

Discontinue

Refrigerating type dryer

GX5200 Series

High temperature inlet air type

Applicable air compressor: 7.5, 11, 15, 22, 37kW

JIS symbol 

Specifications

Model no.			GX5208	GX5211	GX5215	GX5222	GX5237
Applicable air compressor		kW	7.5	11	15	22	37
Specified range	Working fluid		Compressed air				
	Inlet air temperature	℃	5 to 80				
	Inlet air pressure	MPa	0.1 to 1.0				
	Ambient temperature	℃	2 to 40				
Rated	Treated flow rate (Note2)	m^3/min. (ANR) 50/60Hz	1.22/1.32	1.65/1.82	2.10/2.40	3.70/4.20	5.70/6.10
	Treated flow rate (Compressor suction state) 50/60Hz(Note3)	m^3/min.	1.28/1.38	1.73/1.91	2.20/2.52	3.88/4.41	5.98/6.40
	Inlet air temperature	℃	55				
	Inlet air pressure	MPa	0.7				
	Ambient temperature	℃	32				
Performance	Outlet air pressure dew point	℃(Note4)	10				
	Pressure drop MPa 50/60Hz (Note5)		0.004/0.005	0.006/0.007	0.009/0.012	0.016/0.020	0.011/0.013
Power supply			Single phase 200/200-220VAC 50/60Hz	Three phase 200/200-220VAC 50/60Hz			
Electric specifications	Power consumption kW 50/60Hz (Note 6)		0.42/0.49, 0.52	0.67/0.79, 0.80	0.74/0.93, 0.93	1.34/1.70, 1.76	1.39/1.75, 1.85
	Operating current A 50/60Hz(Note6)		2.3/2.5, 2.4	2.9/2.7, 2.8	2.5/2.8, 2.6	5.0/5.5, 5.4	4.9/5.7, 5.6
	Starting current A 50/60Hz		9.6/8.9	17.3/16.5	14.0/12.2	27.5/26.5	27.8/24.7
Refrigerant			R-407C				
Air inlet/outlet port size			Rc3/4	R1	R1	R1	R1 1/2
Product weight		kg	37	39	44	73	90
Exhaust heat		kW 50/60Hz	1.4/1.6	2.1/2.3	3.2/3.6	5.0/5.7	5.8/6.4

Note 1. Outer panel : Quality cool white (munsell No. 5GY7.5/0.5)
Base : munsell No.N3.0
Note 2. ANR shows conditions where 20°C atmospheric pressure and relative humidity 65%.
Note 3. Value converted into air compressor intake state at 32°C atmospheric pressure and relative humidity 75%.
Note 4. Contact CKD for information on the dew point performance guarantee.
Note 5. The pressure drop value is a typical value and is not a guaranteed value.
Note 6. The energy consumption and operation current are both references values under the rated conditions, and are not guaranteed.

Discontinue

How to order

GX52 (08) - (M) - AC200V

- (A) Capacity code
- (B) Option Note1

Symbol	Descriptions
(A) Capacity code	
08	7.5kW
11	11kW
15	15kW
22	22kW
37	37kW
(B) Option	
Blank	Standard products
M	Operation / fault signal output
H2	SUS name plate
H3	Simple export packaging Note2
N1	Copper tube rust proof coating

Note on model no. selection

Note 1: Indicate options in alphabetical order.
Note 2: Option H3 is packaged in plywood.
Note 3: An instruction manual and name plate are allowing both indicated Japanese and English.
Note 4: Contact CKD if a photo of the completed product is required.
Note 5: Consult with CKD to designate the color of the main panel.

Selection guide

To find applicable models according to maximum treating air flow rate
Standard treating flow rate x pressure dew point coefficient x inlet air temperature coefficient x ambient temperature coefficient x inlet air pressure correction coefficient = max. treating air flow rate

Conditions	Working conditions	Selecting conditions	Coefficient
Pressure dew point	Less than 7°C	5°C	0.58
Inlet air temperature	55 to 63°C	65°C	0.72
Ambient temperature	25 to 33°C	35°C	0.90
Inlet air pressure	0.55 to 0.75MPa	0.5MPa	0.89
Frequency	50Hz	50Hz	50Hz

Substitute the above conditions into the equation above to obtain the treating air flow rate when using the GX5208.
1.22x0.58x0.72x0.90x0.89=0.40m³/min
If the working air rate is less than this value, select that model.
Note. Select a model where the product per coefficient does not exceed 1.3.

① Pressure dew point coefficient	
Pressure dew point	Coefficient
15°C	1.15
10°C	1.00
7°C	0.72
5°C	0.58

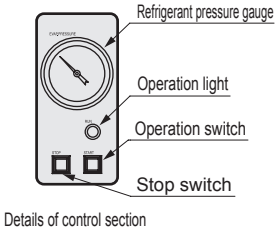
② Inlet air temperature coefficient	
Inlet air temperature	Coefficient
40°C	1.30
45°C	1.20
50°C	1.10
55°C	1.00
60°C	0.84
65°C	0.72
70°C	0.60
75°C	0.45
80°C	0.30

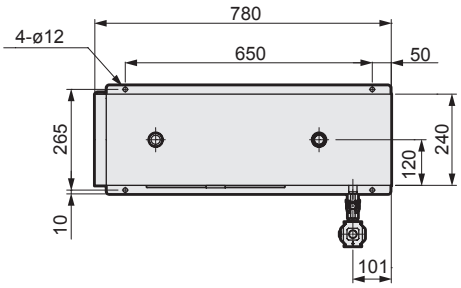
③ Ambient temperature coefficient	
Ambient temperature	Coefficient
25°C	1.08
30°C	1.02
32°C	1.00
35°C	0.90
40°C	0.72

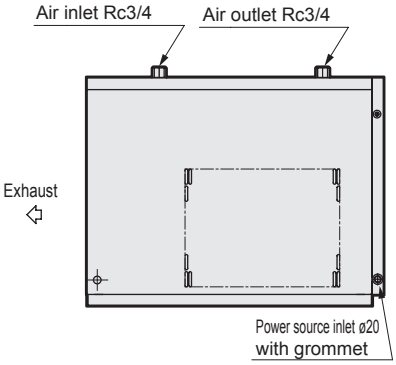
④ Inlet air pressure coefficient	
Inlet air pressure	Coefficient
0.1MPa	0.50
0.2MPa	0.65
0.3MPa	0.75
0.4MPa	0.83
0.5MPa	0.89
0.6MPa	0.94
0.7MPa	1.00
0.8MPa	1.01
0.9MPa	1.02
1.0MPa	1.03

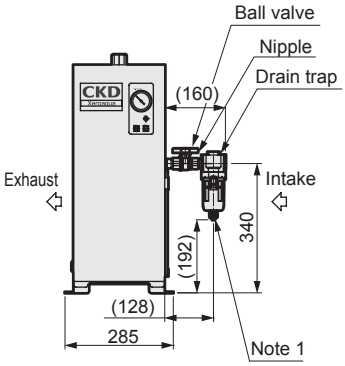
Dimensions

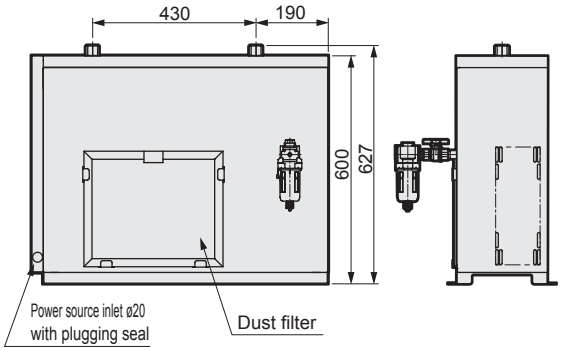
● GX5208





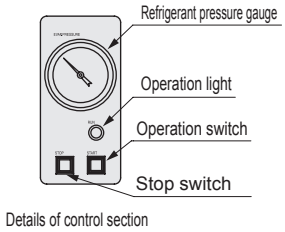


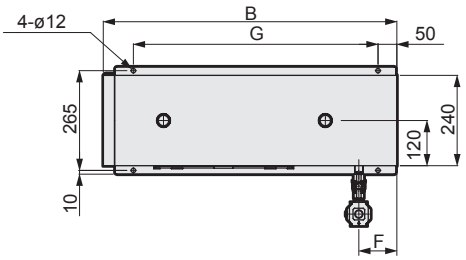


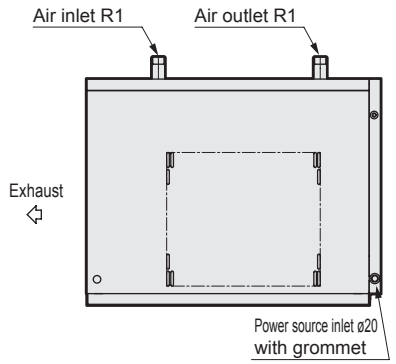


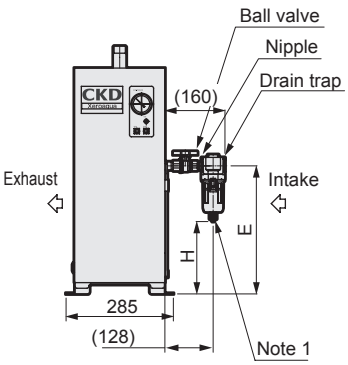
Note 1 Directly connect the inner diameter ø5.7 to ø6.0 nylon tube onto the drain cock.
Note 2 The drain trap, ball valve and nipple are accessories.

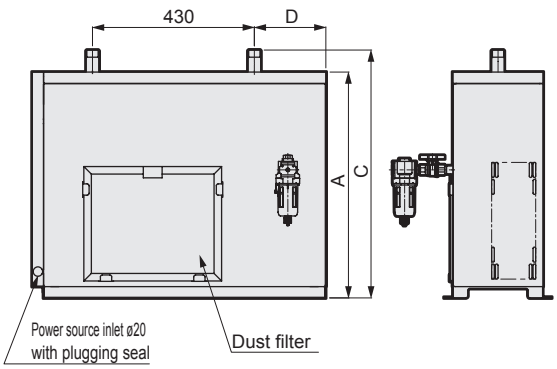
● GX5211, GX5215











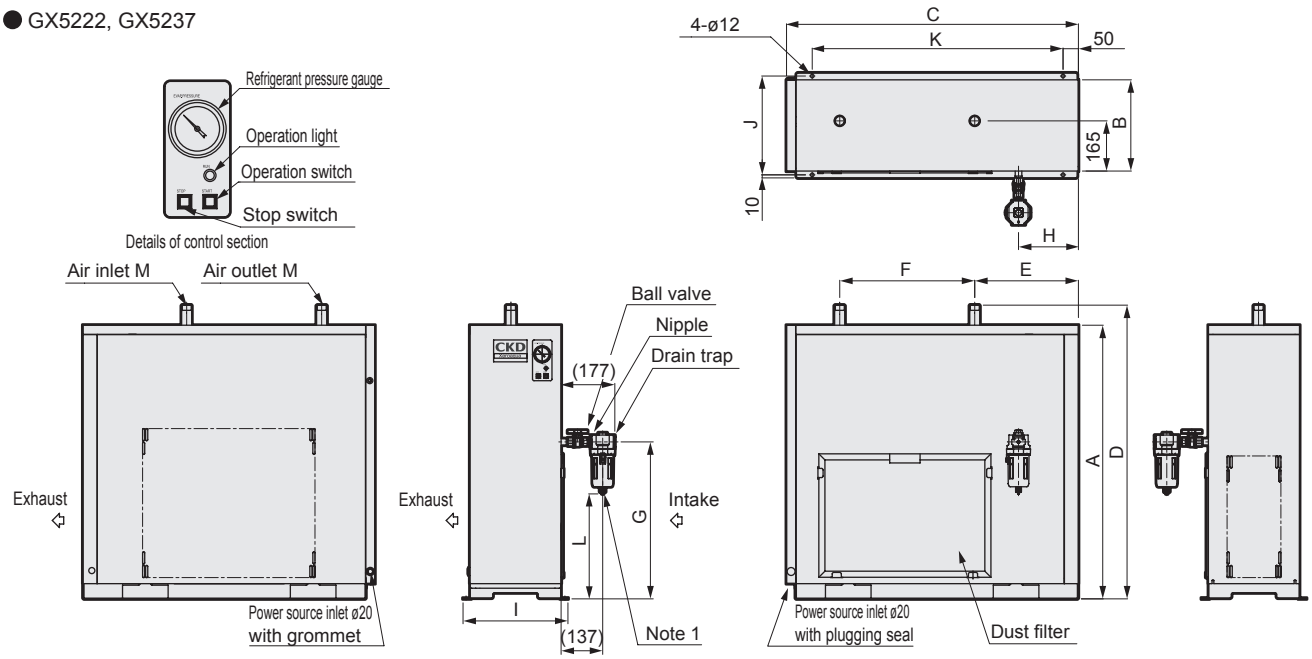
Note 1 Directly connect the inner diameter ø5.7 to ø6.0 nylon tube onto the drain cock.
Note 2 The drain trap, ball valve and nipple are accessories.

Model no.	A	B	C	D	E	F	G	H
GX5211	600	780	658	190	340	101	650	(192)
GX5215	630	870	689	280	370	105	740	(222)

Discontinue

Dimensions

● GX5222, GX5237

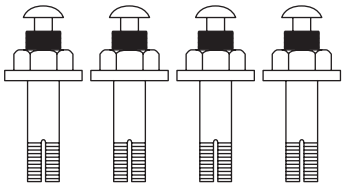


Note 1 Directly connect the inner diameter ø5.7 to ø6.0 nylon tube onto the drain cock.
Note 2 The drain trap, ball valve and nipple are accessories.

Model no.	A	B	C	D	E	F	G	H	I	J	K	L	M
GX5222	900	300	960	966	341	444	516	197	345	325	825	(345)	R1
GX5237	1100	330	990	1165	325	500	701	145	375	355	855	(530)	R1 1/2

Accessories (optional)

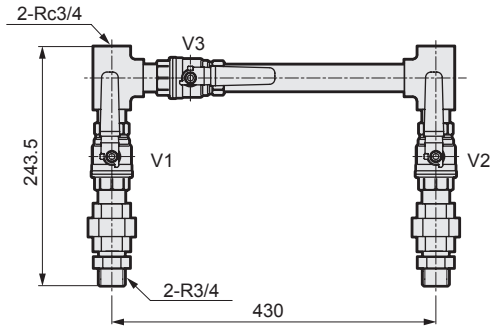
Anchor bolt set (optional)



No.	Applicable model	Size	Material	Quantity
RD-QFL-436495	GX5208, GX5211 GX5215, GX5222 GX5237	M10 x 100	SUS	4

By-pass piping set (optional)

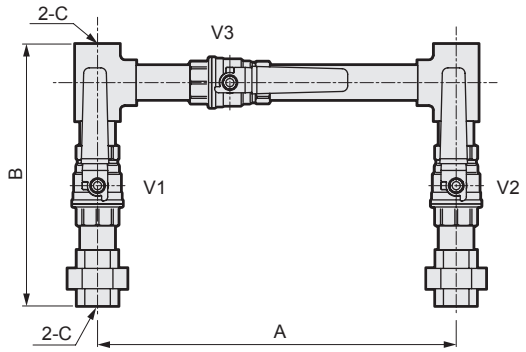
• For GX5208



No.	Applicable model
RD-AD3-219887	GX5208

V1,V2,V3 : Ball valve
V1, V2 : Normally open NORMAL OPEN
V3 : Normally closed NORMAL CLOSE

• For GX5211, GX5215, GX5222, GX5237



No.	Applicable model	A	B	C
RD-AD3-219888	GX5211, GX5215	430	258	Rc1
RD-AD3-219890	GX5222	444	258	Rc1
RD-AD3-219891	GX5237	500	314	Rc1 1/2

V1,V2,V3 : Ball valve
V1, V2 : Normally open NORMAL OPEN
V3 : Normally closed NORMAL CLOSE