

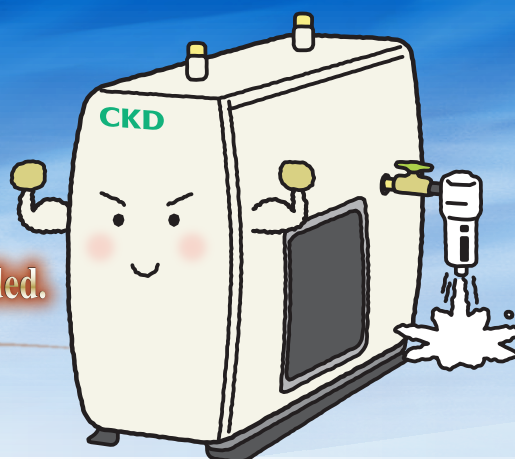
Refrigerated air dryer Xeroaqua GX3200/GX5200 Series



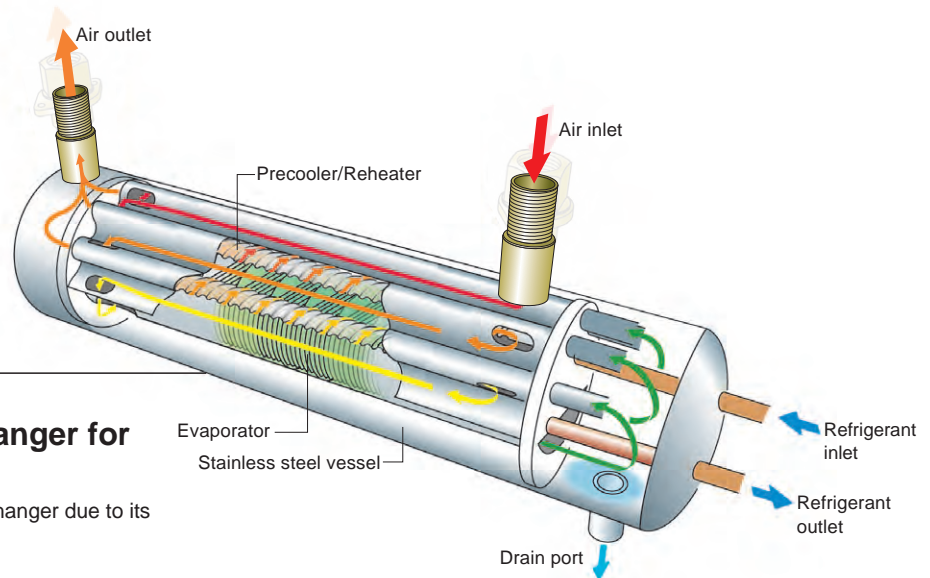
REFRIGERATED AIR DRYER



An ambient temperature
up to **45°C** supported.
Anomaly diagnosis function added.



High quality
and
reliability
assured



- **Stainless steel heat exchanger for oil-free compressed air**
No particle occurrence from the heat exchanger due to its stainless steel vessel.

- **Excellent weather resistance**
Corrosion resistance has been improved by nickeling the refrigerant pipe (copper tube) inside the heat exchanger.

- **Improved performance in high temperature environment**
Operable at an ambient temperature of 45°C.
(at 40°C for GX5255, 5275)

High reliability, savings in energy & space

Refrigerated air dryer

Xeroaqua GXSeries

Standard temperature inlet air type **GX3200** Series/ up to 55 kW

High temperature inlet air type **GX5200** Series/ up to 75 kW

Xeroaqua GX Series are renewed, featuring higher reliability and improved high temperature performance.

Thin and slim

- **Thin and slim compact body**
Install anywhere - on production line or on devices.



Energy saving

- **Uses a minimal air loss drain discharger**
By adopting the float type, wasteful air loss is avoided through discharge anytime drain is generated in the dryer.
- **Low power consumption realized.**
Up to 15% energy saving in electrical power. (GX3237D CKD comparison)

Eco-friendly refrigerant

- **Eco-friendly refrigerant R-134a, R-410A, R-407C used**
No ozone depletion

Easy maintenance



Check on the controls for inspection

For regular inspections, just check and see the control section.

Running conditions can be checked with just one look at the refrigerant pressure gage and operation light.

Quick & easy anomaly diagnosis

(GX3215D to 3255D, GX5211D to 5237D)

A lighting pattern of the alarm light can tell a cause of anomalous interruption.

Dust filters are provided as standard (except for the GX5275).

Condenser cleaning efforts have been reduced. Mounting and removal are also very easy.

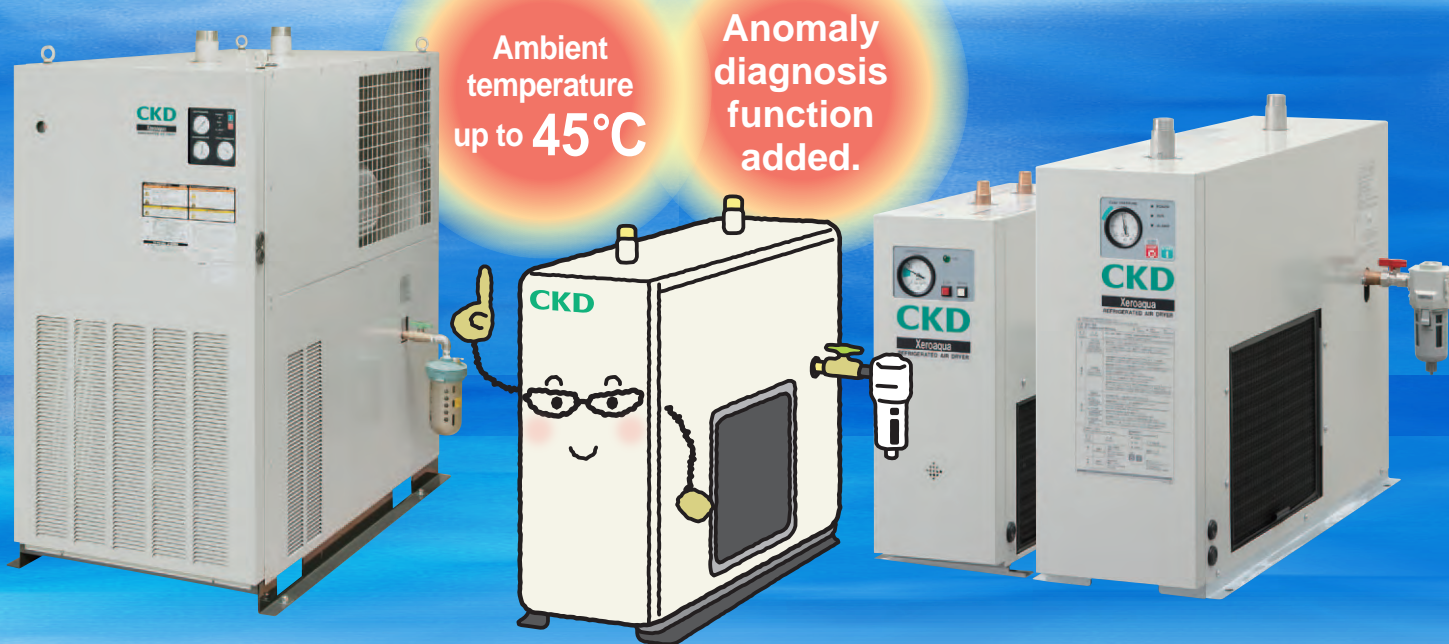
External drain discharger

Easy maintenance during operation.



Allows for centralized control of the plant

Remote control and run/alarm signal output (option) are also available.

By-pass piping set is available as an accessory (optional).

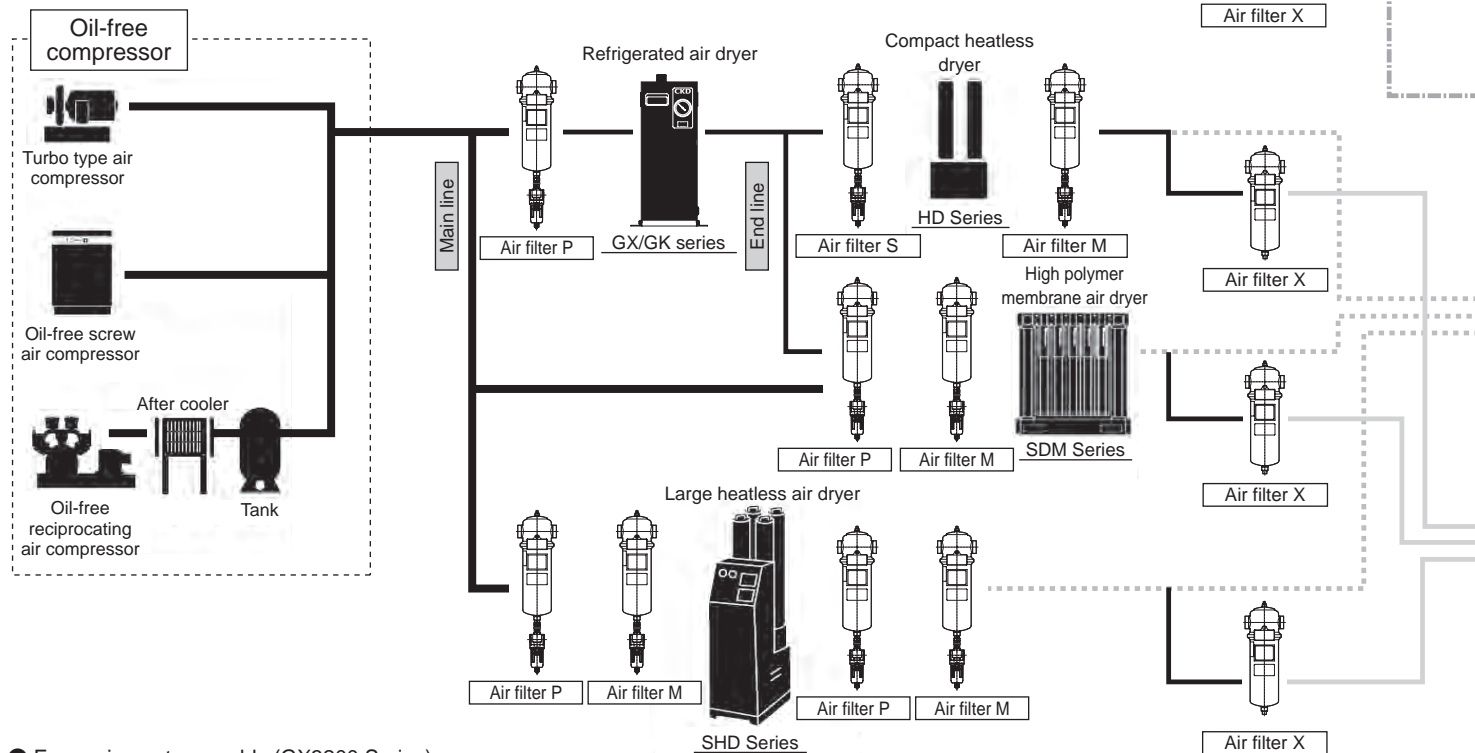
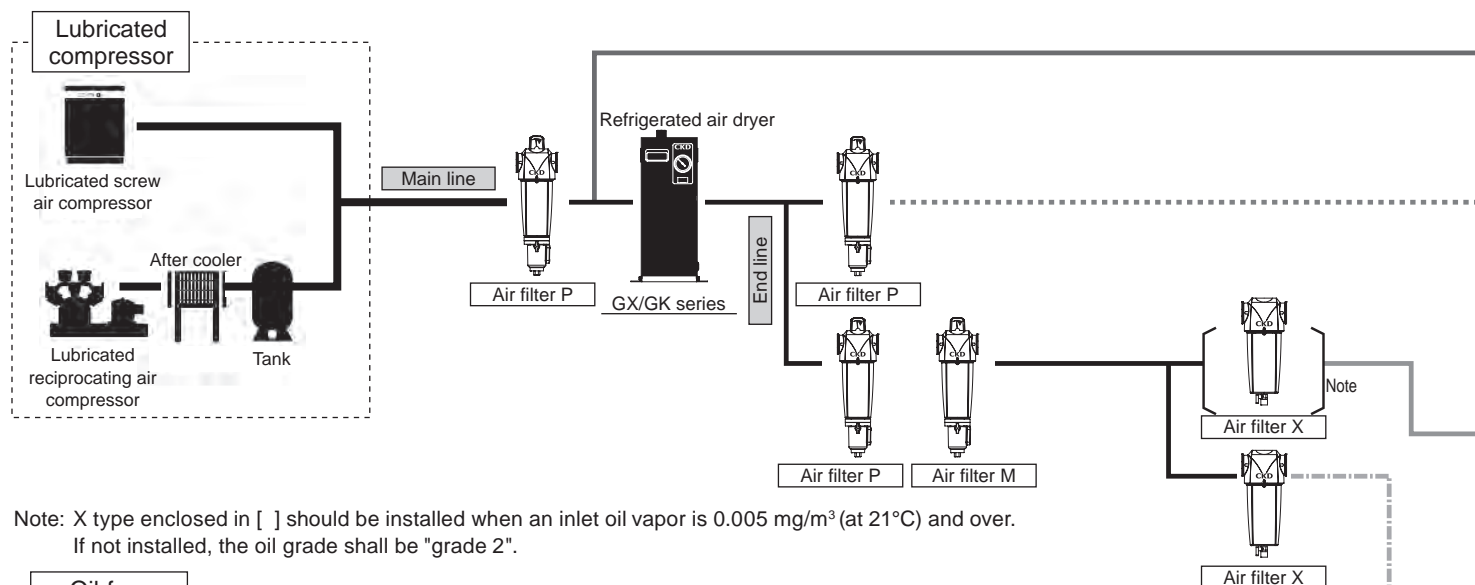


[Series variation]

Series	Applications	Rated conditions				Applicable air compressor (kW)									
		Pressure dew point (°C)	Inlet air pressure (MPa)	Ambient temperature (°C)	Inlet air temperature (°C)	2.2 or less	3.7	5.5	7.5	11	15	22	37	55	75
Standard temperature inlet air type GX3200 	For equipment assembly	10	0.7	32	35 (GX3203D to GX3237D)	●	●	●	●	●	●	●	●	●	*1
					40 (GX3255D)										
High temperature inlet air type GX5200 	Direct connection to compressor	10	0.7	32	55	●	●	●	●	●	●	●	●	●	●

*1 supported by GT9000 Series.

Example of system selection



● For equipment assembly (GX3200 Series)

Air compressor		Refrigerated air dryer	Main line filter P type (1 μm)	Main line filter M type (0.01 μm)	Main line filter X type (deodorizer)
Output kW	Rated air capacity m ³ /min(ANR)				
~2.2	0.30/0.35	GX3203D-AC100/200V	F3000-10-W-F1	M3000-10-W-F1	M3000-10-W-X
3.7	0.44/0.50	GX3206D-AC100/200V	F4000-15-W-F1	M4000-15-W-F1	M4000-15-W-X
5.5	0.64/0.72		F4000-15-W-F1	M4000-15-W-F1	M4000-15-W-X
7.5	0.94/1.13	GX3208D-AC100/200V	F6000-20-W-F1	M6000-20-W-F1	M6000-20-W-X
11	1.65/1.82	GX3211D-AC100/200V	F8000-20-W-F1	M8000-20-W-F1	M8000-20-W-X
15	2.40/2.80	GX3215D-AC200V	AF2004P-25	AF2004M-25	AF2004X-25
22	3.70/4.20	GX3222D-AC200V	AF2007P-40	AF2007M-40	AF2007X-40
37	5.70/6.10	GX3237D-AC200V	AF2007P-40	AF2007M-40	AF2007X-40
55	8.40/9.80	GX3255D-AC200V	AF2013P-50	AF2013M-50	AF2013X-50

● Direct connection to compressor (GX5200 Series)

Air compressor		Refrigerated air dryer	Main line filter P type (1 μm)	Main line filter M type (0.01 μm)	Main line filter X type (deodorizer)
Output kW	Rated air capacity m ³ /min(ANR)				
~2.2	0.30/0.35	GX5203D-AC100/200V	F3000-10-W-F1	M3000-10-W-F1	M3000-10-W-X
3.7	0.44/0.50	GX5204D-AC100/200V	F4000-15-W-F1	M4000-15-W-F1	M4000-15-W-X
5.5	0.64/0.72	GX5206D-AC100/200V	F4000-15-W-F1	M4000-15-W-F1	M4000-15-W-X
7.5	1.22/1.32	GX5208D-AC200V	F8000-20-W-F1	M8000-20-W-F1	M8000-20-W-X
11	1.65/1.82	GX5211D-AC200V	F8000-25-W-F1	M8000-25-W-F1	M8000-25-W-X
15	2.10/2.40	GX5215D-AC200V	AF2004P-25	AF2004M-25	AF2004X-25
22	3.70/4.20	GX5222D-AC200V	AF2007P-40	AF2007M-40	AF2007X-40
37	5.70/6.10	GX5237D-AC200V	AF2007P-40	AF2007M-40	AF2007X-40
55	7.80/9.20	GX5255-AC200V	AF2010P-40	AF2010M-40	AF2010X-40
75	10.40/12.30	GX5275-AC200V	AF2013P-50	AF2013M-50	AF2013X-50

Note 1: For piping, use rustproof materials, such as zinc plating pipe, lining tube, or stainless steel pipe.

If there is high possibility of foreign matter, such as rust or peelings from piping material; install an air filter immediately in front of the dryer.

Air quality	Applications	Grade
Water drip removal air Coarse dust removal air	For construction/civil engineering machine Cleaning air blow (for items that do not require drying)	2:-:-
General dry air	General pneumatic components General pneumatic tools Labor saving mechanisms Air fixture tools Air chuck Air vice Precision part cleaning air blow	2:6:3
		2:5:3
Dry air (Oil-free)	Instrumentation Measurement Sequence control Luxury painting	1:6:1
		1:5:1
Dry air (Odorless)	Food industry (for items not blown directly into food) Pharmaceutical industry For stirring/transportation/drying/packaging/brewing	1:6:1
		1:5:1
Ultra dry air (Oil-free)	Ozone generator Powder transport Drying of furnace gas Drying of high voltage generator insulation gas Drying of computer rooms For instrumentation of centralized control	1:3:1
		1:2:1
		1:2:1
Ultra dry air (Odorless)	Food industry (for items not blown directly into food) Pharmaceutical industry For stirring/transportation/drying/packaging/brewing	1:3:1
		1:2:1
		1:2:1

Compressed air purity grade - JIS B 8392-1:2012

Grade	Solid particles				Humidity and moisture		Oil
	Max. count of particles per 1 m³			Mass concentration Cp mg/m³	Pressure dew point °C	Water content Cw g/m³	Total oil density mg/m³
	0.1 < d ≤ 0.5	0.5 < d ≤ 1.0	1.0 < d ≤ 5.0				
0	User and supplier shall determine using stricter conditions than grade 1.						
1	≤ 20,000	≤ 400	≤ 10	-	≤ -70	-	≤ 0.01
2	≤ 400,000	≤ 6,000	≤ 100	-	≤ -40	-	≤ 0.1
3	-	≤ 90,000	≤ 1,000	-	≤ -20	-	≤ 1
4	-	-	≤ 10,000	-	≤ +3	-	≤ 5
5	-	-	≤ 100,000	-	≤ +7	-	-
6	-	-	-	0 < Cp ≤ 5	≤ +10	-	-
7	-	-	-	5 < Cp ≤ 10	-	Cw ≤ 0.5	-
8	-	-	-	-	-	0.5 < Cw ≤ 5	-
9	-	-	-	-	-	5 < Cw ≤ 10	-
X	-	-	-	Cp > 10	-	Cw > 10	> 5

Revising from JIS B 8392-1:2003 to JIS B 8392-1:2012 brought about change in details.

For example,

"Grade 1:2:1" describes that

- Solid particles of 0.1 to 0.5 μm counts 20,000 or less, 0.5 to 1.0 μm 400 or less, and 1.0 to 5.0 μm 10 or less,
- Pressure dew point -40°C or below,
- Oil density 0.01 mg/m³ or less .



Xeroaqua dryer

GX3200 Series

Standard temperature inlet air type

Applicable air compressor: 2.2 or less, 3.7, 5.5, 7.5, 11, 15, 22, 37, 55 kW

JIS symbol



Specifications

Model no.		GX3203D	GX3206D	GX3208D	GX3211D	GX3215D	GX3222D	GX3237D	GX3255D
Applicable air compressor kW		2.2 or less	3.7, 5.5	7.5	11	15	22	37	55
Working range	Working fluid	Compressed air							
	Inlet air temperature °C	5 to 50							
	Inlet air pressure MPa	0.15 to 1.0	0.1 to 1.0						
	Ambient temperature °C	2 to 45 (Note 2)				2 to 45			
Rated	Air capacity m ³ /min(ANR) 50/60 Hz (Note 3)	0.30/0.35	0.64/0.72	0.94/1.13	1.65/1.82	2.40/2.80	3.70/4.20	5.70/6.10	8.40/9.80
	Air capacity (compressor intake condition) m ³ /min 50/60 Hz (Note 4)	0.31/0.37	0.67/0.76	0.99/1.19	1.73/1.91	2.52/2.94	3.88/4.41	5.98/6.40	8.81/10.3
	Inlet air temperature °C	35							
	Inlet air pressure MPa	0.7							
	Ambient temperature °C	32							
Performance	Outlet air pressure dew point °C (Note 5)	10							
	Pressure drop MPa 50/60 Hz (Note 6)	0.002/0.003	0.009/0.011	0.009/0.013	0.011/0.013	0.012/0.017	0.024/0.031	0.023/0.026	0.018/0.025
Power supply		Single phase 100/100 110 VAC 50/60 Hz Single phase 200, 220/200, 220 VAC 50/60 Hz				Three phase 200/200, 220 VAC 50/60 Hz			
Electrical specifications (Note 7)	Power consumption (at 100/110 V) kW 50/60 Hz	0.17/0.19, 0.20	0.26/0.27, 0.30	0.32/0.34, 0.41	0.52/0.52, 0.55	-	-	-	-
	Power consumption (at 200/220 V) kW 50/60 Hz	0.16, 0.17/0.19, 0.21	0.24, 0.28/0.26, 0.29	0.29, 0.35/0.32, 0.34	0.44, 0.49/0.52, 0.53	0.61/0.71, 0.73	0.65/0.79, 0.79	1.16/1.41, 1.41	1.30/1.63, 1.60
	Current consumption (at 100/110 V) A 50/60 Hz	1.9/1.9, 1.8	3.2/2.8, 2.8	3.9/3.4, 3.7	6.5/5.2, 5.0	-	-	-	-
	Current consumption (at 200/220 V) A 50/60 Hz	0.8, 0.8/1.0, 1.0	1.4, 1.6/1.3, 1.3	1.7, 2.1/1.6, 1.6	2.6, 2.9/2.6, 2.4	2.6/2.5, 2.5	3.0/2.8, 2.9	4.5/4.6, 4.4	5.3/5.7, 5.4
	Starting current (at 100 V) A 50/60 Hz	7.1/7.9	11.1/12.1	16.4/17.3	26.5/24.8	-	-	-	-
	Starting current (at 200 V) A 50/60 Hz	3.0/3.3	6.3/6.2	7.7/7.3	13.2/12.4	22.5/25.0	27.5/31.5	31.5/40.6	41.3/43.8
Refrigerant		R-134a				R-410A			
Air inlet/outlet port size		R 1/2	R 1/2	R 3/4	R 3/4	R1	R1	R1 1/2	R2
Product weight kg		18	21	26	33	39	42	68	84
Exhaust heat kW 50/60 Hz (Note 7)		0.29/0.32	0.57/0.65	0.72/0.81	1.2/1.3	1.6/1.8	2.3/2.5	3.0/3.3	4.8/5.6

Note 1: Quality cool white (Munsell No. 5GY7.5/0.5)

Note 2: At power supply voltage $\pm 5\%$. 2 to 40°C at power supply voltage $\pm 10\%$.

Note 3: ANR shows conditions at 20°C atmospheric pressure and relative humidity of 65%.

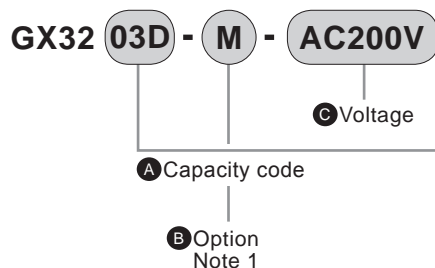
Note 4: These are converted values assuming the air compressor intake condition at the atmospheric pressure at 32°C and relative humidity of 75%.

Note 5: Please contact CKD for guaranteed value of performance at dew point.

Note 6: The pressure drop value is a typical value and not guaranteed.

Note 7: Power consumption, current consumption and exhaust heat are reference values under the rated conditions, and not guaranteed.

How to order



Symbol	Descriptions
A Capacity code	
03D	2.2 kW or less
06D	3.7, 5.5 kW
08D	7.5 kW
11D	11 kW
15D	15 kW
22D	22 kW
37D	37 kW
55D	55 kW
B Option	
Blank	Standard products
M	Run/alarm signal output Note 2 (supported only by GX3215D, 3222D, 3237D, 3255D)
M3	Remote control & run/alarm signal output (supported only by GX3203D, 3206D, 3208D, 3211D) Note 2
H2	SUS name plate
H3	Simple export packaging Note 3
N1	Copper tube rust proof coating
C Voltage	
100 VAC (supported only by GX3203D, GX3206D, GX3208D, GX3211D)	
200 VAC	

Notes on model no. selection

Note 1: Please specify options in alphabetical order.

Note 2: For implementation of remote control and run/alarm signal, see the table below.

Model no.	Remote control terminal	Run/alarm signal
GX3203D, 3206D 3208D, 3211D	Option M3 (momentary)	Option M3
GX3215D, 3222D 3237D, 3255D	Standard equipment (alternate)	Option M

Note 3: Option H3 provides plywood crate packaging.

Note 4: Instruction manual and name plate are written in both Japanese and English.

Note 5: Please contact CKD if you need completed product photos.

Note 6: Please contact CKD if you need a specific color of the body panel.

Selection guide

When selecting an appropriate model based on the maximum air capacity of each model

Rated air capacity × ① Pressure dew point coefficient × ② Inlet air temperature coefficient × ③ Ambient temperature coefficient × ④ Inlet air pressure coefficient = Maximum air capacity

Note: Select conditions where the product of coefficients (① × ② × ③ × ④) does not exceed the upper limit coefficient ⑤.

Conditions	Working conditions	Selecting conditions	Coefficient
Pressure dew point	17°C or less	15°C	① 1.15
Inlet air temperature	20 to 23°C	25°C	② 1.25
Ambient temperature	20 to 23°C	25°C	③ 1.08
Inlet air pressure	0.35 to 0.45 MPa	0.3 MPa	④ 0.75
Frequency	50 Hz	50 Hz	50 Hz

Substitute the above conditions into the equation above to obtain the air capacity when using the GX3215.

Product of coefficients:

① × ② × ③ × ④ = 1.15 × 1.25 × 1.08 × 0.75 = 1.16

⑤ Upper limit coefficient of 0.97 at Inlet air pressure of 0.3 MPa, according to the working conditions, is exceeded.

Consequently, Upper limit coefficient of 0.97 is adopted to calculate the max. air capacity as shown below:

2.40 (Rated air capacity) × 0.97 = 2.32 m³/min (ANR)

A model of which usage rate is equal to or lower than this value can be selected.

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		
	GX3203D GX3206D GX3208D	GX3211D GX3215D GX3222D GX3237D	GX3255D
25°C	1.25	1.25	1.30
30°C	1.13	1.13	1.23
35°C	1.00	1.00	1.12
40°C	0.80	0.80	1.00
45°C	0.65	0.65	0.80
50°C	0.40	0.54	0.65

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

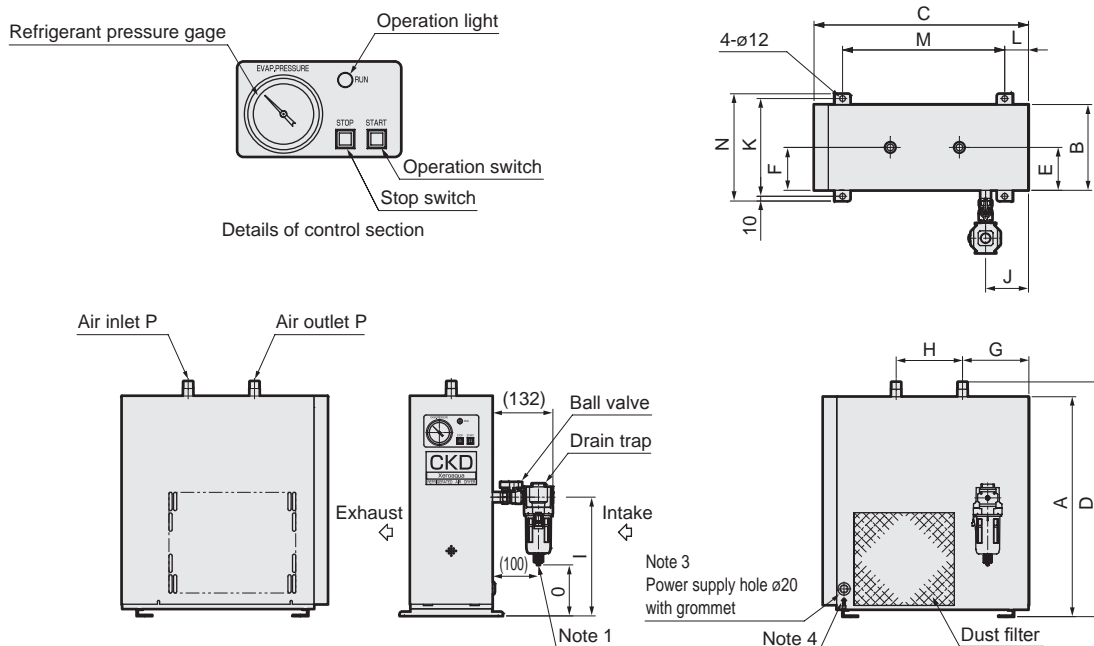
④ Inlet air pressure coefficient	
Inlet air pressure	Coefficient
0.1 MPa Note 1	0.50
0.2 MPa	0.65
0.3 MPa	0.75
0.4 MPa	0.83
0.5 MPa	0.89
0.6 MPa	0.94
0.7 MPa	1.00
0.8 MPa	1.01
0.9 MPa	1.02
1.0 MPa	1.03

⑤ Upper limit coefficient			
Working conditions (Inlet air pressure)	Coefficient		
	GX3203D GX3211D GX3215D GX3222D GX3237D GX3255D	GX3206D	GX3208D
0.1 MPa Note 1	0.65	0.55	0.57
0.2 MPa	0.84	0.71	0.74
0.3 MPa	0.97	0.82	0.86
0.4 MPa	1.07	0.91	0.95
0.5 MPa	1.15	0.97	1.02
0.6 MPa	1.22	1.03	1.08
0.7 MPa	1.30	1.10	1.15
0.8 MPa	1.31	1.11	1.16
0.9 MPa	1.32	1.12	1.17
1.0 MPa	1.33	1.13	1.18

Note 1: For GX3203D, 0.15 MPa is applied.

Dimensions

● GX3203D, GX3206D, GX3208D



Note 1: Insert a nylon tube with ID $\phi 5.7$ to $\phi 6.0$ directly into the drain cock.

Note 2: Drain trap and ball valve are included as accessories.

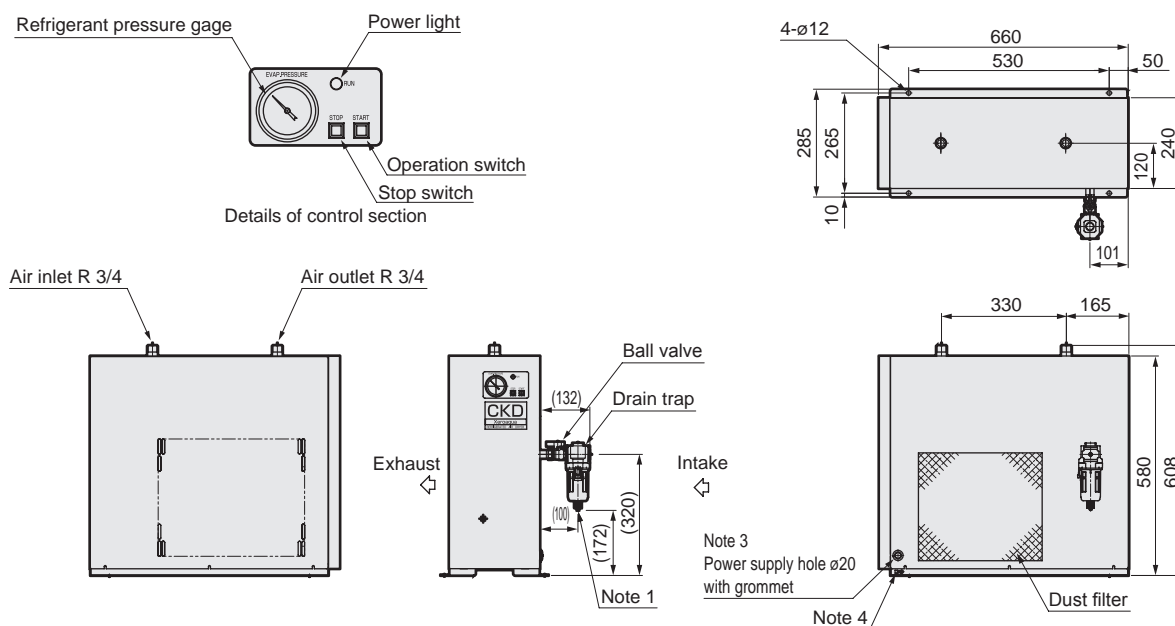
Note 3: For 100 VAC type, a power code with plug (about 1.8 m) is included.

Note 4: For 100 VAC type, an earth terminal (TMEV2-4) is provided on the panel.

Model no.	A	B	C	D	E	F	G	H	I	J	K	L	M
GX3203D	480	180	450	513	90	90	145	145	(260)	90	205	50	340
GX3206D	510	180	540	542	113	83	120	300	(274)	96	205	60	420
GX3208D	510	240	600	537	140	140	138	335	(280)	78	265	60	480

Model no.	N	O	P
GX3203D	225	(112)	R 1/2
GX3206D	225	(126)	R 1/2
GX3208D	285	(132)	R 3/4

● GX3211D



Note 1: Insert a nylon tube with ID $\phi 5.7$ to $\phi 6.0$ directly into the drain cock.

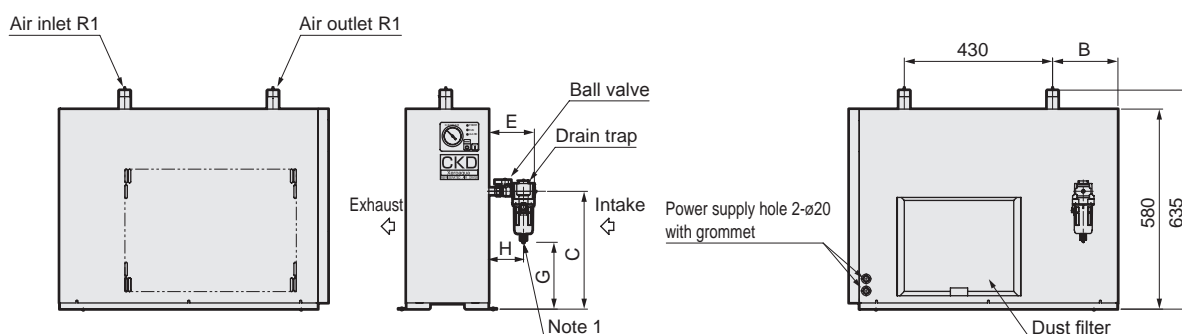
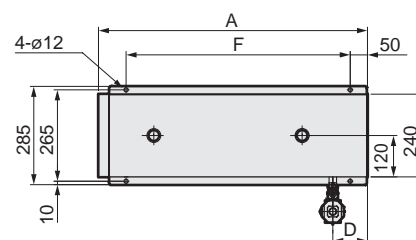
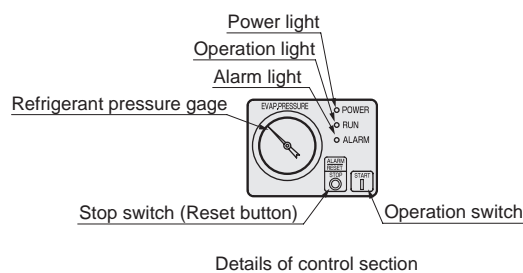
Note 2: Drain trap and ball valve are included as accessories.

Note 3: For 100 VAC type, a power code with plug (about 1.8 m) is included.

Note 4: For 100 VAC type, an earth terminal (TMEV2-4) is provided on the panel.

Dimensions

● GX3215D, GX3222D

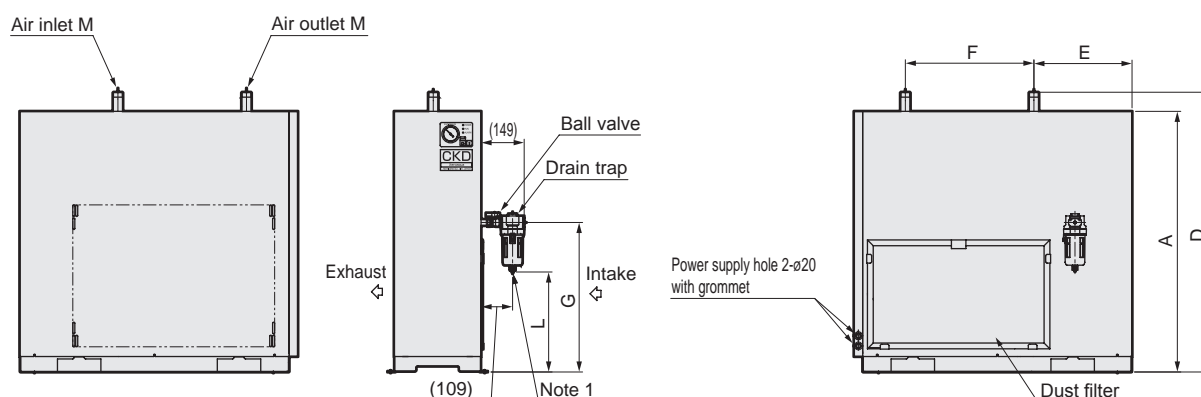
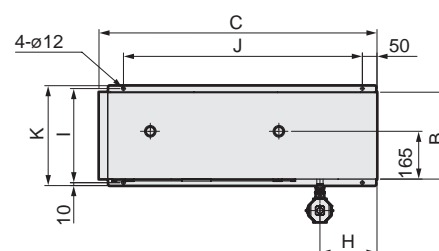
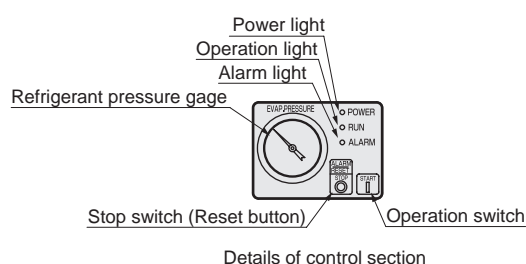


Note 1: Insert a nylon tube with ID $\phi 5.7$ to $\phi 6.0$ directly into the drain cock.

Note 2: Drain trap and ball valve are included as accessories.

Model no.	A	B	C	D	E	F	G	H
GX3215D	780	190	(340)	101	(132)	650	(192)	(100)
GX3222D	870	280	(370)	105	(149)	740	(199)	(109)

● GX3237D, GX3255D



Note 1: Insert a nylon tube with ID $\phi 5.7$ to $\phi 6.0$ directly into the drain cock.

Note 2: Drain trap and ball valve are included as accessories.

Model no.	A	B	C	D	E	F	G	H	I	J	K	L	M
GX3237D	900	300	960	966	338	447	(516)	197	325	825	345	(345)	R1 1/2
GX3255D	1100	330	990	1165	325	500	(701)	145	355	855	375	(530)	R2



Xeroaqua dryer

GX5200 Series

High temperature inlet air type

Applicable air compressor: 2.2 or less, 3.7, 5.5, 7.5, 11, 15, 22, 37, 75 kW

JIS symbol



Specifications

Model no.		GX5203D	GX5204D	GX5206D	GX5208D	GX5211D	GX5215D	GX5222D	GX5237D	GX5255	GX5275
Applicable air compressor kW		2.2 or less	3.7	5.5	7.5	11	15	22	37	55	75
Working range	Working fluid	Compressed air									
	Inlet air temperature °C	5 to 80									
	Inlet air pressure MPa	0.15 to 1.0	0.1 to 1.0								
	Ambient temperature °C	2 to 45 (Note 2)				2 to 45				2 to 40	
Rated	Air capacity m ³ /min (ANR) 50/60 Hz (Note 3)	0.30/0.35	0.44/0.50	0.64/0.72	1.22/1.32	1.65/1.82	2.10/2.40	3.70/4.20	5.70/6.10	7.80/9.20	10.4/12.3
	Air capacity (compressor intake condition) m ³ /min 50/60 Hz (Note 4)	0.31/0.37	0.46/0.52	0.67/0.76	1.28/1.38	1.73/1.91	2.20/2.52	3.88/4.41	5.98/6.40	8.18/9.65	10.9/12.9
	Inlet air temperature °C	55									
	Inlet air pressure MPa	0.7									
	Ambient temperature °C	32									
Performance	Outlet air pressure dew point °C (Note 5)	10									
	Pressure drop MPa 50/60 Hz (Note 6)	0.002/0.003	0.002/0.003	0.010/0.013	0.005/0.006	0.006/0.007	0.009/0.012	0.016/0.020	0.011/0.013	0.015/0.020	0.005/0.007
Power supply		Single phase 100/100 110 VAC 50/60 Hz Single phase 200, 220/200, 220 VAC 50/60 Hz				Single phase AC 200, 220/200, 220 V 50/60 Hz	Three phase 200/200, 220 VAC 50/60 Hz				
Electrical specifications (Note 7)	Power consumption (at 100/110 V) kW 50/60 Hz	0.26/0.27,0.30	0.32/0.34,0.41	0.34/0.37,0.40	-	-	-	-	-	-	-
	Power consumption (at 200/220 V) kW 50/60 Hz	0.24,0.28/0.26,0.29	0.29,0.35/0.32,0.34	0.32,0.36/0.36,0.40	0.42,0.47/0.48,0.49	0.63/0.75,0.78	0.69/0.78,0.87	1.21/1.48,1.48	1.31/1.62,1.64	2.08/2.59,2.62	3.15/4.07,4.02
	Current consumption (at 100/110 V) A 50/60 Hz	3.2/2.8,2.8	3.9/3.4,3.7	4.3/3.8,3.8	-	-	-	-	-	-	-
	Current consumption (at 200/220 V) A 50/60 Hz	1.4,1.6/1.3,1.3	1.7,2.1/1.6,1.6	1.8,2.0/1.8,1.8	2.6,2.9/2.5,2.3	2.5/2.5,2.5	3.0/2.8,3.0	4.7/4.8,4.6	5.4/5.7,5.5	8.7/8.5,8.4	11.3/13.5,12.4
	Starting current (at 100 V) A 50/60 Hz	11.1/12.1	16.4/17.3	16.4/17.3	-	-	-	-	-	-	-
	Starting current (at 200 V) A 50/60 Hz	6.3/6.2	7.7/7.3	7.7/7.3	13.2/12.4	22.5/25.0	27.5/31.5	31.5/40.6	41.3/43.8	43.8/39.1	83.0/77.0
Refrigerant		R-134a				R-410A				R-407C	
Air inlet/outlet port size		R 1/2	R 3/4	R 3/4	R 3/4	R1	R1	R1	R1 1/2	R1 1/2	R2
Product weight kg		21	26	31	37	39	42	68	84	105	253
Exhaust heat kW 50/60 Hz (Note 7)		0.63/0.70	0.74/0.80	1.1/1.3	1.6/1.7	2.1/2.3	2.3/2.5	4.4/5.0	5.4/6.0	8.5/10.0	10.7/12.3

Note 1: Quality cool white (Munsell No. 5GY7.5/0.5)

Note 2: At power supply voltage $\pm 5\%$. 2 to 40°C at power supply voltage $\pm 10\%$.

Note 3: ANR shows conditions at 20°C atmospheric pressure and relative humidity of 65%.

Note 4: These are converted values assuming the air compressor intake condition at the atmospheric pressure at 32°C and relative humidity of 75%.

Note 5: Please contact CKD for guaranteed value of performance at dew point.

Note 6: The pressure drop value is a typical value and not guaranteed.

Note 7: Power consumption, current consumption and exhaust heat are reference values under the rated conditions, and not guaranteed.

How to order

GX52 **03D** - **M** - **AC200V**

A Capacity code
B Option Note 1
C Voltage

Notes on model no. selection

Note 1: Please specify options in alphabetical order.

Note 2: For implementation of remote control and run/alarm signal, see the table below.

Model no.	Remote control terminal	Run/alarm signal
GX5203D, 5204D 5206D, 5208D	Option M3 (momentary)	Option M3
GX5211D, 5215D 5222D, 5237D	Standard equipment (alternate)	Option M
GX5255	Standard equipment (momentary)	Option M
GX5275	Standard equipment (momentary)	Standard equipment

Note 3: Option H3 provides plywood crate packaging.

Note 4: Instruction manual and name plate are written in both Japanese and English.

Note 5: Please contact CKD if you need completed product photos.

Note 6: Please contact CKD if you need a specific color of the body panel.

Symbol	Descriptions
A Capacity code	
03D	2.2 kW or less
04D	3.7 kW
06D	5.5 kW
08D	7.5 kW
11D	11 kW
15D	15 kW
22D	22 kW
37D	37 kW
55	55 kW
75	75 kW

B Option	
Blank	Standard products
M	Run/alarm signal output Note 2 (supported only by GX5211D, 5215D, 5222D, 5237D, 5255)
M3	Remote control & run/alarm signal output Note 2 (supported only by GX5203D, 5204D, 5206D, 5208D)
H2	SUS name plate
H3	Simple export packaging Note 3
N1	Copper tube rust proof coating

C Voltage	
100 VAC (supported only by GX5203D, GX5204D, GX5206D)	
200 VAC	

Selection guide

When selecting an appropriate model based on the maximum air capacity of each model

Rated air capacity × ① Pressure dew point coefficient × ② Inlet air temperature coefficient × ③ Ambient temperature coefficient × ④ Inlet air pressure coefficient = Maximum air capacity

Note: Select conditions where the product of coefficients (① × ② × ③ × ④) does not exceed the upper limit coefficient ⑤.

Conditions	Working conditions	Selecting conditions	Coefficient
Pressure dew point	Less than 7°C	5°C	① 0.58
Inlet air temperature	55 to 63°C	65°C	② 0.72
Ambient temperature	25 to 33°C	35°C	③ 0.90
Inlet air pressure	0.55 to 0.75 MPa	0.5 MPa	④ 0.89
Frequency	50 Hz	50 Hz	50 Hz

Substitute the above conditions into the equation above to obtain the air capacity when using GX5208.

Product of coefficients:

① × ② × ③ × ④ = 0.58 × 0.72 × 0.90 × 0.89 = 0.33

⑤ Upper limit coefficient of 1.15 at Inlet air pressure of 0.5 MPa, according to the working conditions, is not exceeded.

Consequently, the max. air capacity can be calculated as shown below:
1.22 (Rated air capacity) × 0.33 = 0.40 m³/min (ANR)

A model of which usage rate is equal to or lower than this value can be selected.

③ Ambient temperature coefficient		
Ambient temperature	Coefficient	
	GX5203D GX5204D GX5206D GX5208D GX5211D GX5215D GX5222D GX5237D	GX5255 GX5275
25°C	1.08	1.20
30°C	1.02	1.06
32°C	1.00	1.00
35°C	0.90	0.89
40°C	0.72	0.70

① Pressure dew point coefficient		
Pressure dew point	Coefficient	
	GX5203D GX5204D GX5206D GX5208D GX5211D GX5215D GX5222D GX5237D	GX5255 GX5275
15°C	1.15	1.16
10°C	1.00	1.00
7°C	0.72	0.89
5°C	0.58	0.82

② Inlet air temperature coefficient			
Inlet air temperature	Coefficient		
	GX5203D GX5204D GX5206D	GX5211D GX5215D GX5222D GX5237D	GX5255 GX5275
40°C	1.12	1.30	1.20
45°C	1.08	1.20	1.10
50°C	1.04	1.10	1.05
55°C	1.00	1.00	1.00
60°C	0.84	0.84	0.95
65°C	0.72	0.72	0.90
70°C	0.60	0.60	0.86
75°C	0.45	0.45	0.82
80°C	0.30	0.30	0.79

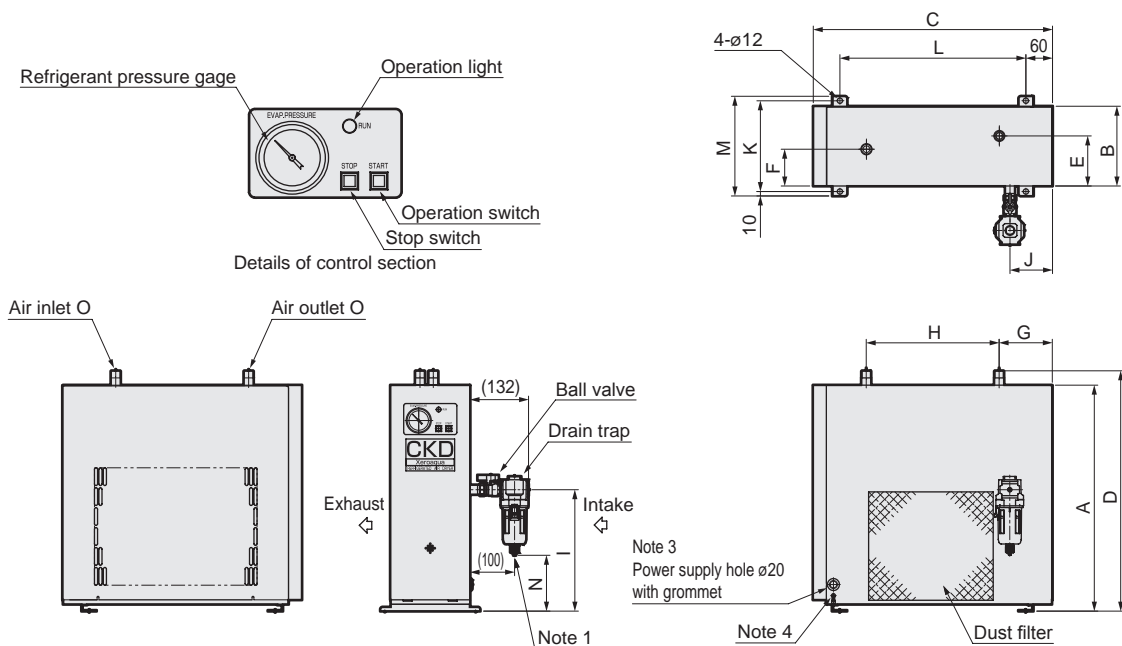
④ Inlet air pressure coefficient		
Inlet pressure	Coefficient	
	GX5203D GX5204D GX5206D GX5208D GX5211D GX5215D GX5222D GX5237D	GX5255 GX5275
0.1 MPa Note 1	0.50	0.60
0.2 MPa	0.65	0.66
0.3 MPa	0.75	0.73
0.4 MPa	0.83	0.80
0.5 MPa	0.89	0.87
0.6 MPa	0.94	0.93
0.7 MPa	1.00	1.00
0.8 MPa	1.01	1.07
0.9 MPa	1.02	1.13
1.0 MPa	1.03	1.19

⑤ Upper limit coefficient		
Working conditions (Inlet air pressure)	Coefficient	
	GX5203D GX5204D GX5206D GX5208D GX5211D GX5215D GX5222D GX5237D	GX5255 GX5275
0.1 MPa Note 1	0.65	0.75
0.2 MPa	0.84	0.82
0.3 MPa	0.97	0.91
0.4 MPa	1.07	1.00
0.5 MPa	1.15	1.08
0.6 MPa	1.22	1.16
0.7 MPa	1.30	1.25
0.8 MPa	1.31	1.33
0.9 MPa	1.32	1.41
1.0 MPa	1.33	1.48

Note 1: For GX5203D, 0.15 MPa is applied.

Dimensions

● GX5203D, GX5204D, GX5206D



Note 1: Insert a nylon tube with ID ϕ 5.7 to ϕ 6.0 directly into the drain cock.

Note 2: Drain trap and ball valve are included as accessories.

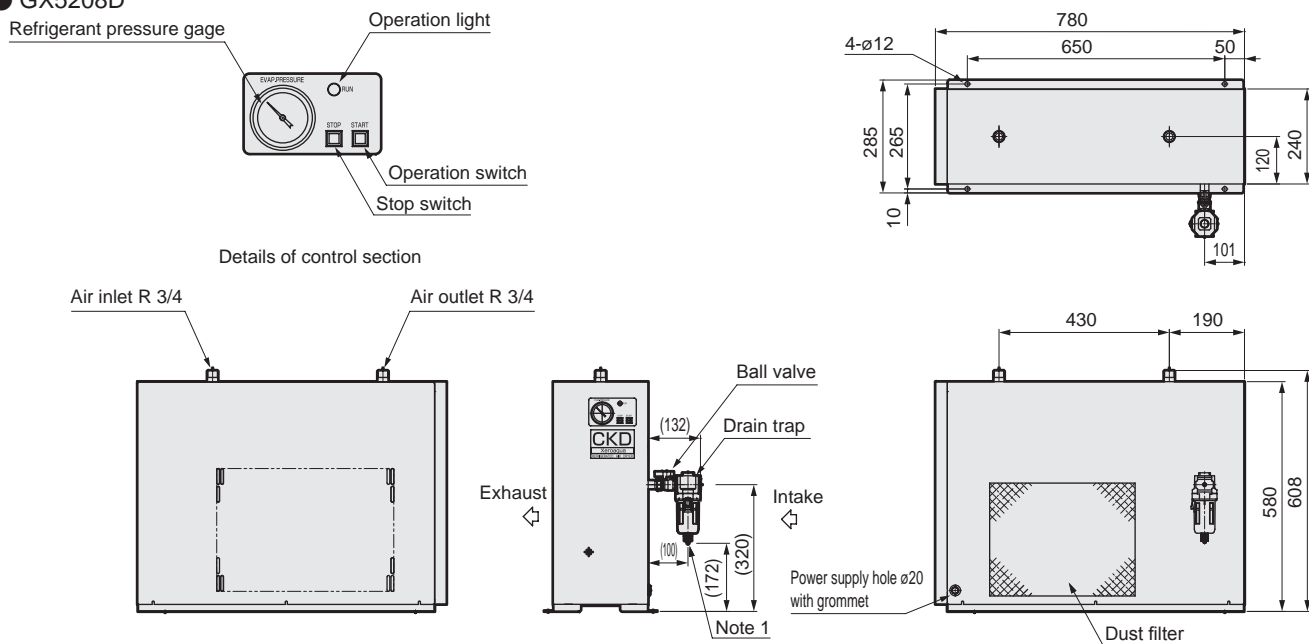
Note 3: For 100 VAC type, a power code with plug (about 1.8 m) is included.

Note 4: For 100 VAC type, an earth terminal (TMEV2-4) is provided on the panel.

Model no.	A	B	C	D	E	F	G	H	I	J	K	L	M
GX5203D	510	180	540	542	113	83	120	300	(274)	96	205	420	225
GX5204D	510	240	600	537	140	140	138	335	(280)	78	265	480	285
GX5206D	600	240	660	627	140	140	84	416	(370)	105	265	542	285

Model no.	N	O
GX5203D	(126)	R 1/2
GX5204D	(132)	R 3/4
GX5206D	(222)	R 3/4

● GX5208D

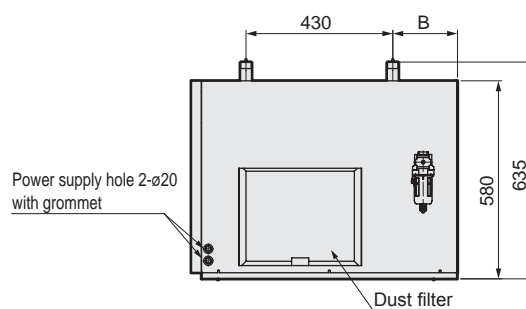
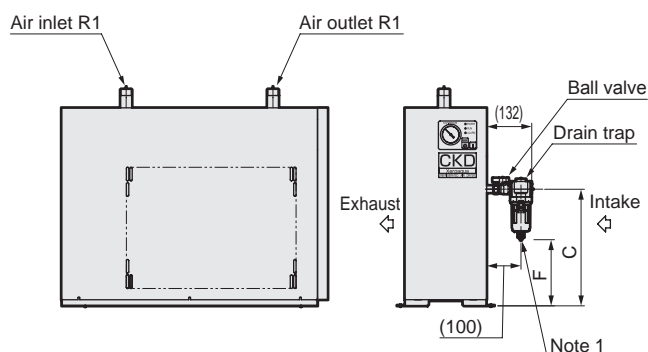
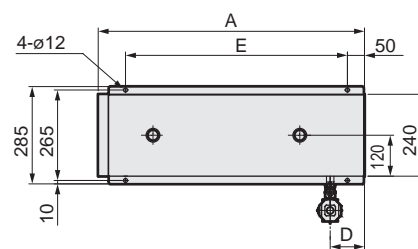
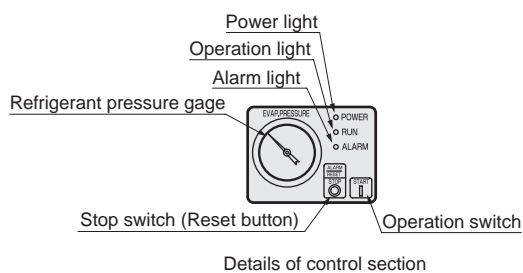


Note 1: Insert a nylon tube with ID ϕ 5.7 to ϕ 6.0 directly into the drain cock.

Note 2: Drain trap and ball valve are included as accessories.

Dimensions

● GX5211D, GX5215D

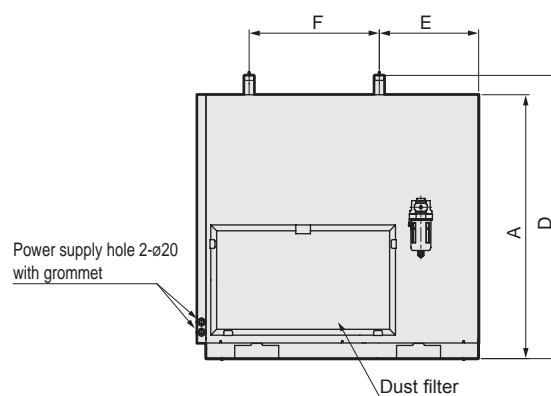
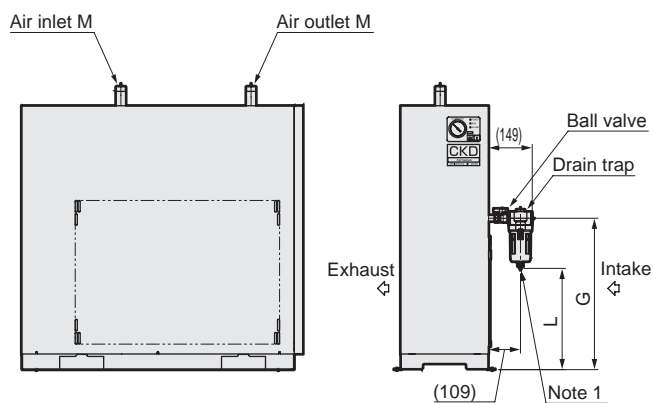
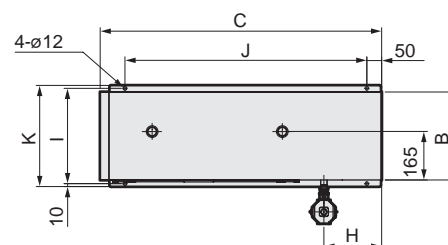
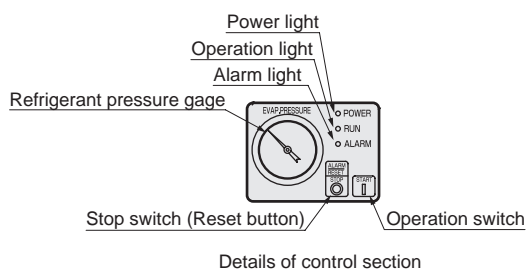


Note 1: Insert a nylon tube with ID $\phi 5.7$ to $\phi 6.0$ directly into the drain cock.

Note 2: Drain trap and ball valve are included as accessories.

Model no.	A	B	C	D	E	F
GX5211D	780	190	(340)	101	650	(192)
GX5215D	870	280	(370)	105	740	(222)

● GX5222D, GX5237D



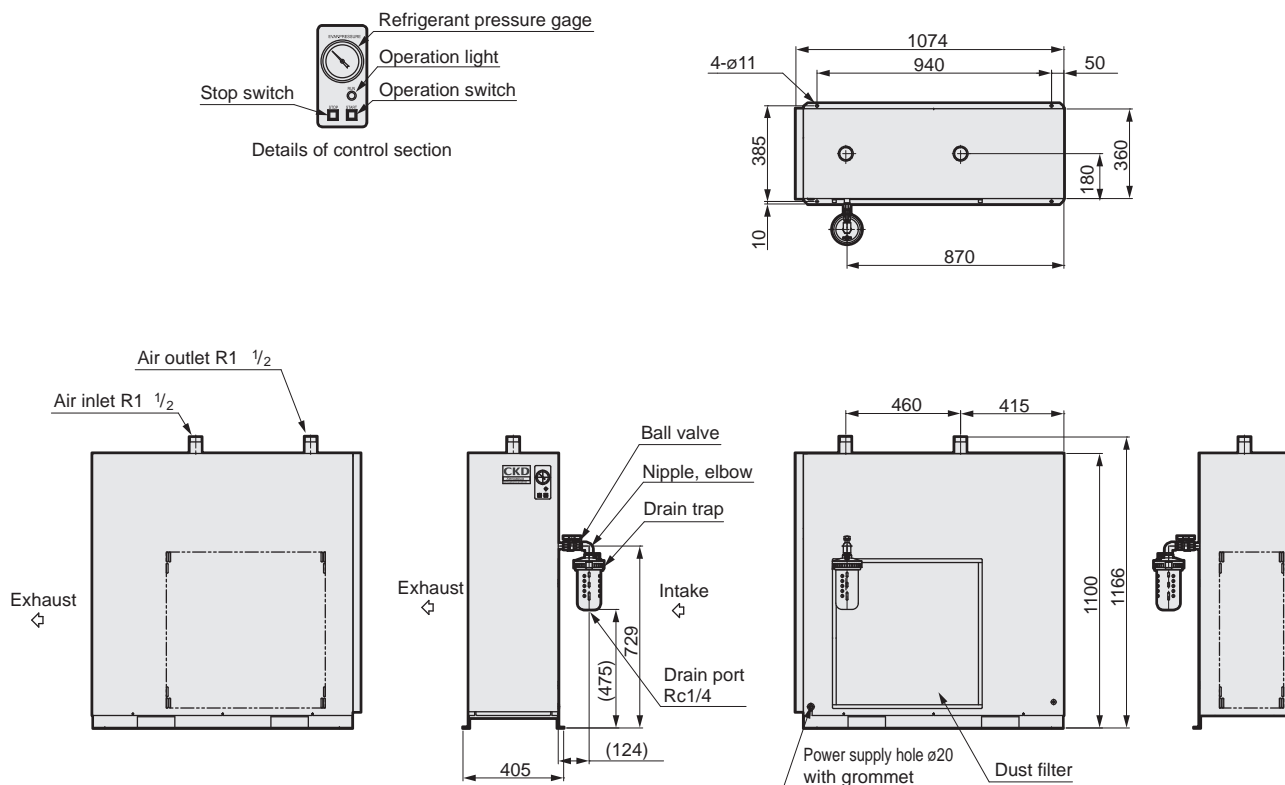
Note 1: Insert a nylon tube with ID $\phi 5.7$ to $\phi 6.0$ directly into the drain cock.

Note 2: Drain trap and ball valve are included as accessories.

Model no.	A	B	C	D	E	F	G	H	I	J	K	L	M
GX5222D	900	300	960	966	341	444	(516)	197	325	825	345	(345)	R1
GX5237D	1100	330	990	1165	325	500	(701)	145	355	855	375	(530)	R1 1/2

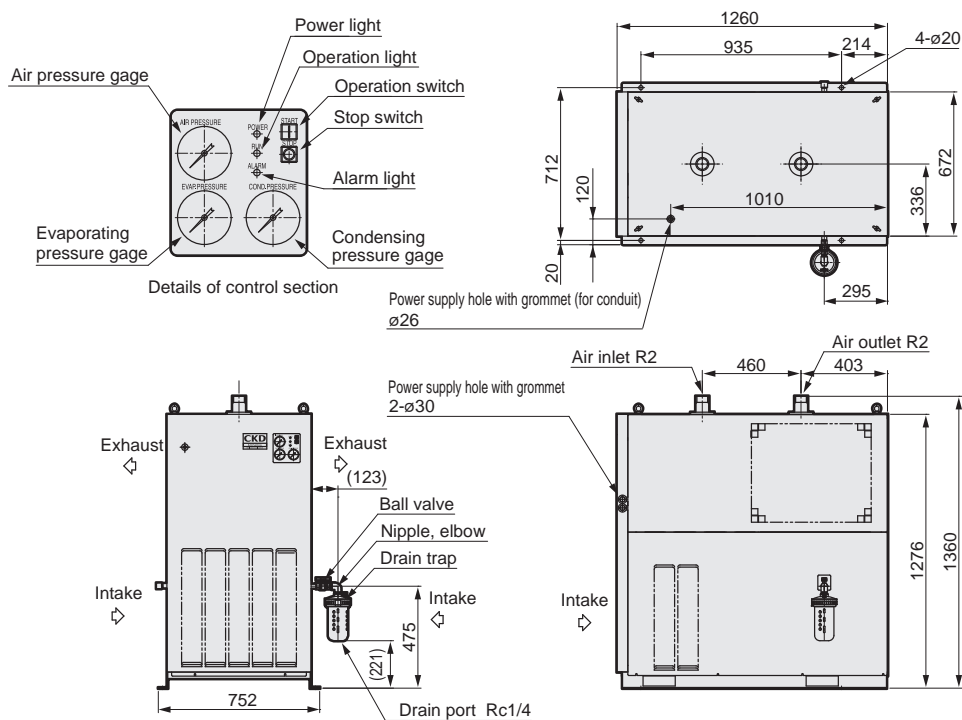
Dimensions

● GX5255



Note 1: Drain trap, ball valve, nipple, and elbow are included as accessories.

● GX5275



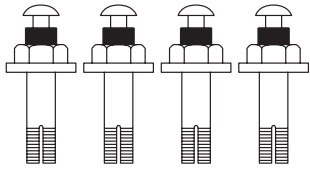
Note 1: The exhaust port can be specified on either left or right side.

Note 2: The drain trap can be installed on either left or right side. The installation positions should be symmetrical on the left and right side.

Note 3: Drain trap, ball valve, nipple, and elbow are included as accessories.

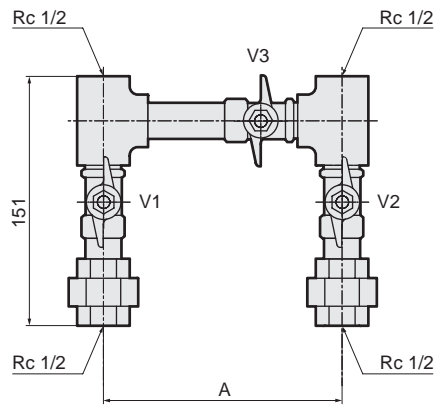
Accessories (Optional)

Anchor bolt (Optional)



Product No.	Applicable model	Size	Material	Quantity
RD-QFL-436495	GX3203D, GX3206D	M10 × 100	SUS	4
	GX3208D, GX3211D			
	GX3215D, GX3222D			
	GX3237D, GX3255D			
	GX5203D, GX5204D			
	GX5206D, GX5208D			
	GX5211D, GX5215D			
	GX5222D, GX5237D			
	GX5255			
RD-QFL-436465	GX5275	M16 × 100	SUS	4

By-pass piping set (Optional)

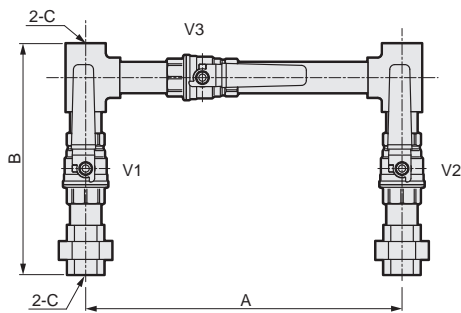


Product No.	Applicable model	A
RD-AD3-311269	GX3203D	145
RD-AD3-311270	GX3206D, GX5203D	300

V1, V2, V3 Ball valves

V1, V2 : normally open, NORMAL OPEN

V3 : normally closed, NORMAL CLOSE



Product No.	Applicable model	A	B	C
RD-AD3-311271	GX3208D, GX5204D	335	208	Rc3/4
RD-AD3-311272	GX3211D	330	209	Rc3/4
RD-AD3-219888	GX3215D, GX3222D GX5211D, GX5215D	430	258	Rc1
RD-AD3-219889	GX3237D	447	314	Rc1 1/2
RD-AD3-249894	GX3255D	500	343	Rc2
RD-AD3-311273	GX5206D	416	208	Rc3/4
RD-AD3-311274	GX5208D	430	209	Rc3/4
RD-AD3-219890	GX5222D	444	258	Rc1
RD-AD3-219891	GX5237D	500	314	Rc1 1/2
RD-AD3-249895	GX5255	460	314	Rc1 1/2
RD-AD3-249896	GX5275	460	343	Rc2

V1, V2, V3 Ball valves

V1, V2 : normally open, NORMAL OPEN

V3 : normally closed, NORMAL CLOSE



Safety precautions

Always read this section before use.

When designing and manufacturing equipment that employs CKD products, you are responsible for checking that the equipment's mechanism, pneumatic control circuit, hydraulic control circuit, and the electrical controls that control these parts can ensure safety. You are also responsible for manufacturing safe equipment. It is important to select, use, handle, and maintain the product appropriately to ensure that the CKD product is used safely. Observe warnings and precautions to ensure device safety. Check that device safety is ensured, and manufacture a safe device.




Warning

- 1** This product was designed and manufactured for use as equipment and parts for general industrial machinery. It must be handled by an operator having sufficient knowledge and experience in handling.
 - 2** Use this product in accordance with specifications.

This product must be used within its stated specifications. Do not attempt to modify or additionally machine the product. This product is intended for use as a general-purpose industrial device or part. It is not intended for use outdoors or for use under the following conditions or environment.
(Note that this product can be used when CKD is consulted prior to use and the customer consents to CKD product specifications. The customer must provide safety measures to avoid risks in the event of problems.)

 - ① Usage with or within components or applications that come into direct contact with nuclear energy, railroad, aviation, ships, vehicles, medical devices, beverage, and food. Usage in applications where safety is required such as amusement equipment, emergency shutoff circuit, press machine, brake circuit, and safeguards.
 - ② Use for applications where life or assets could be adversely affected, and special safety measures are required.
 - 3** Observe corporate standards and regulations, etc., related to the safety of device design and control, etc.

ISO 4414, JIS B 8370 (pneumatic system rules)
JFPS 2008 (Principles for pneumatic cylinder selection and use)
Including High Pressure Gas Maintenance Law, Occupational Safety and Sanitation Laws, other safety rules, body standards and regulations, etc.
 - 4** Do not handle, pipe, or remove devices before confirming safety.
 - ① Inspect and service the machine and devices after confirming safety of the entire system related to this product.
 - ② Note that there may be hot or charged sections even after operation is stopped.
 - ③ When inspecting or servicing the device, turn off the energy source (air supply or water supply), and turn off power to the facility. Discharge any compressed air from the system, and pay attention to possible water leakage and leakage of electricity.
 - ④ When starting or restarting a machine or device that incorporates pneumatic components, make sure that the system safety, such as pop-out prevention measures, is secured.
 - 5** Observe warnings and cautions on the pages below to prevent accidents.
- The safety cautions are ranked as "DANGER", "WARNING" and "CAUTION" in this section.

-  **DANGER:** When a dangerous situation may occur if handling is mistaken leading to fatal or serious injuries, or when there is a high degree of emergency to a warning.
-  **WARNING:** When a dangerous situation may occur if handling is mistaken leading to fatal or serious injuries.
-  **CAUTION:** When a dangerous situation may occur if handling is mistaken leading to minor injuries or physical damage.

Items listed under "Caution" can also possibly lead to serious results depending on the situation. Important details are listed for each; please make sure to follow them.

Precautions when ordering

- 1** Warranty period

"Warranty Period" is one (1) year from the first delivery to the customer.
- 2** Scope of warranty

In case any defect attributable to CKD is found during the Warranty Period, CKD shall, at its own discretion, repair the defect or replace the relevant product in whole or in part, according to its own judgment.
Note that the following faults are excluded from the warranty term:

 - (1) Product abuse/misuse contrary to conditions/environment recommended in its catalogs/specifications
 - (2) Failure caused by other than the delivered product
 - (3) Use the product for other than its intended purposes
 - (4) Third-party repair/modification
 - (5) Faults caused by reason that is unforeseeable with technology put into practical use at the time of delivery
 - (6) Failure attributable to force majeure

In no event shall CKD be liable for business interruptions, loss of profits, personal injury, costs of delay or for any other special, indirect, incidental or consequential losses, costs or damages.
- 3** Compatibility confirmation

In no event shall CKD be liable for merchantability or fitness for a particular purpose, notwithstanding any disclosure to CKD of the use to which the product is to be put.



Main line component

Safety precautions

Be sure to read the instructions before use.

Special precautions: Refrigerated air dryer GX Series

Manufacturer's disclaimer

! WARNING

- The manufacturer shall not be liable for the cases described below:

- If there is a serious misuse by the user.
- If the user made illegal modifications, or repairs without using authorized parts.

Design and selection

Applications

! WARNING

- Applications other than dehumidification of compressed air are forbidden.
- Do not use this product in medical equipment such as caisson shields, breathing devices, etc.
 - It can cause an accident resulting in injury or death.

! CAUTION

- Do not use this device mounted on the transportation equipment such as vehicles or ships.
 - Use under vibration conditions may cause damage to internal components.
- When using a compressed air line that is subject to sudden pressure fluctuations, install an air tank or other device after the air dryer for keeping the pressure fluctuations to 0.34 MPa/min or less. Sudden pressure fluctuations can result in product failure.

- If a sudden load fluctuation is expected, a model with a sufficient margin should be selected.

Air quality

! CAUTION

- Do not use this product if inlet air contains corrosive gases, chemicals, organic solvents, or combustible gases.

Air temperature

! CAUTION

- Do not use with inlet air temperature or working pressure above the maximum.
- If an inlet air temperature is high, install an after cooler, or the like, to reduce the inlet air temperature to the maximum temperature or below. Empty the drain generated in the after cooler in front of the dryer.

Transportation

! WARNING

- This product is filled with the refrigerant (R-134a, R-410A, R-407C) of less than 12 kg. Always follow

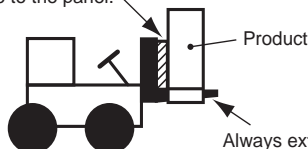
respective laws and ordinances when transporting this product (by land, sea or air).

Transportation

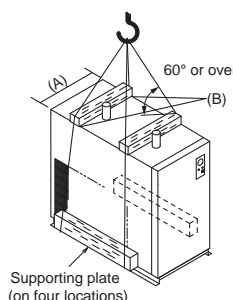
! WARNING

- During transport, this product should not be toppled over sideways or vibration and impact should not be applied.
- Transport by forklift (applicable to GX3237D, GX3255D, GX5222D, GX5237D, GX5255, GX5275)

Put some pads to prevent damage to the panel.



■ Transport by crane



Supporting plate
The supporting plate (B) must be 100 mm longer than the dryer width (A).

Put some pads between the supporting plate and dryer to prevent damage to the panel.

Installation and adjustment

Electric wiring

⚠ WARNING

- Use this product at the power supply voltage within the specification range.
- Select wires with suitable capacities.

Adjustment and operation

⚠ WARNING

- Do not start/stop frequently. It can cause a failure.
- When starting/stopping the dryer, the following considerations must be made for the system:
"Start and stop the dryer less than ten times an hour. After restarting, run for at least five minutes until next stopping, and wait for at least three minutes before restarting."
- Install an overload protection ground-fault circuit breaker on the main power supply to provide isolated overload protection and to prevent electrical shock from current leakage.
- Ground the GND. Do not connect the ground cable to water pipe, gas pipe, or lightning rod.

Ambient temperature

⚠ CAUTION

- Do not use this product in a place where the temperature is over the maximum working temperature.
- Do not install the product where it is subjected to radiated heat.
- If the temperature over the maximum working temperature is predicted, install a ventilation fan or air inlet, etc.
- Do not use this product where the temperature is lower than the minimum working temperature.

Location

⚠ CAUTION

- Install this product indoors.
- Install the product in a place well-ventilated and free of dirt or dust.
- Install in an area away from rain water.
- Do not use in an area where humidity is high or dew condensation is possible.
- Avoid using the product in full sunlight or near the heat source
- Avoid using the product in the area containing corrosive gas.

Floor

⚠ CAUTION

- Install the product on a vibration-free floor.
- Install this product on a flat surface.
- Provide foundation work if the ground is soft.
- The anchor bolt positions and hole dimensions are given in the drawings of dimensions.

Vibration resistance

⚠ CAUTION

- When using a reciprocating compressor, use a flexible tube or high-pressure rubber hose in part of piping with the air dryer to absorb vibration.

Maintenance space

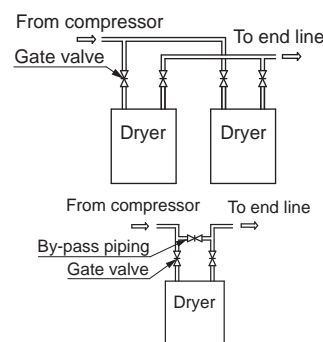
⚠ CAUTION

- For better ventilation, as well as easier maintenance and inspection, secure a space of 600 mm in each direction for the outside periphery.

Air piping method

⚠ CAUTION

- Pipe the dryer as shown in the diagram below.
For 24-hour operation:
Parallel installation is recommended in case of an emergency.
One is for normal operation and the other as a spare.



For intermittent operation:

Install the by-pass piping for maintenance.

- Galvanized steel pipes (white tube) are recommended for pipe materials. Use stainless steel pipes according to specifications and applications.
- If using existing piping or black tube, or there is a possibility of significant foreign matter being collected because an oil-free air compressor is used, install an air filter in front of the dryer.
- Design piping so as not to put the pipe weight on the product.
- Use piping that sufficiently withstands working pressure. Check that the air does not leak from connections.

Drain piping method

CAUTION

- Drain trap is externally attached to the dryer.
For GX3200 Series and GX5208D to GX5237D Series, insert a nylon tube with inner diameter of 5.7 to 6.0 mm directly into the drain discharger cock.
For the GX5255 and GX5275, connect a tube with inner diameter of 6 mm or more to the drain port of the drain discharger.

- Tube length shall be less than 5 m. Standpipes shall be avoided and the discharge end open to the atmosphere.
- If oil enters the drain, it must be drained. Contact an industrial waste specialist for the waste treatment.
- Securely fix the drain discharge tube, etc., so that it does not sway during drain discharge.
- In the normal condition, the ball valve in front of the drain trap shall be fully open. Use the ball valve during maintenance.

During use and maintenance

Freon collection

WARNING

- This product is subject to the "Laws Related to the Collection and Destruction of Freon in Specific Products (Freon Collection and Destruction Laws)". Always collect the Freon gas when repairing or disposing the product.
Consult with CKD for Freon gas collection.

Maintenance

CAUTION

- Clean the dust filter using a vacuum cleaner or air blow once a month.
Neglecting cleaning can cause failure of compressor fan motor, etc.
- Remove the drain trap once a week to disassemble and wash it. The trap will not operate properly if some parts become contaminated, and the drain may spill to the secondary side.

Repair parts

CAUTION

- To ensure long use, inspect the wear state and replace the parts periodically. For details, refer to the instruction manual enclosed with the product.

Periodical maintenance part

CAUTION

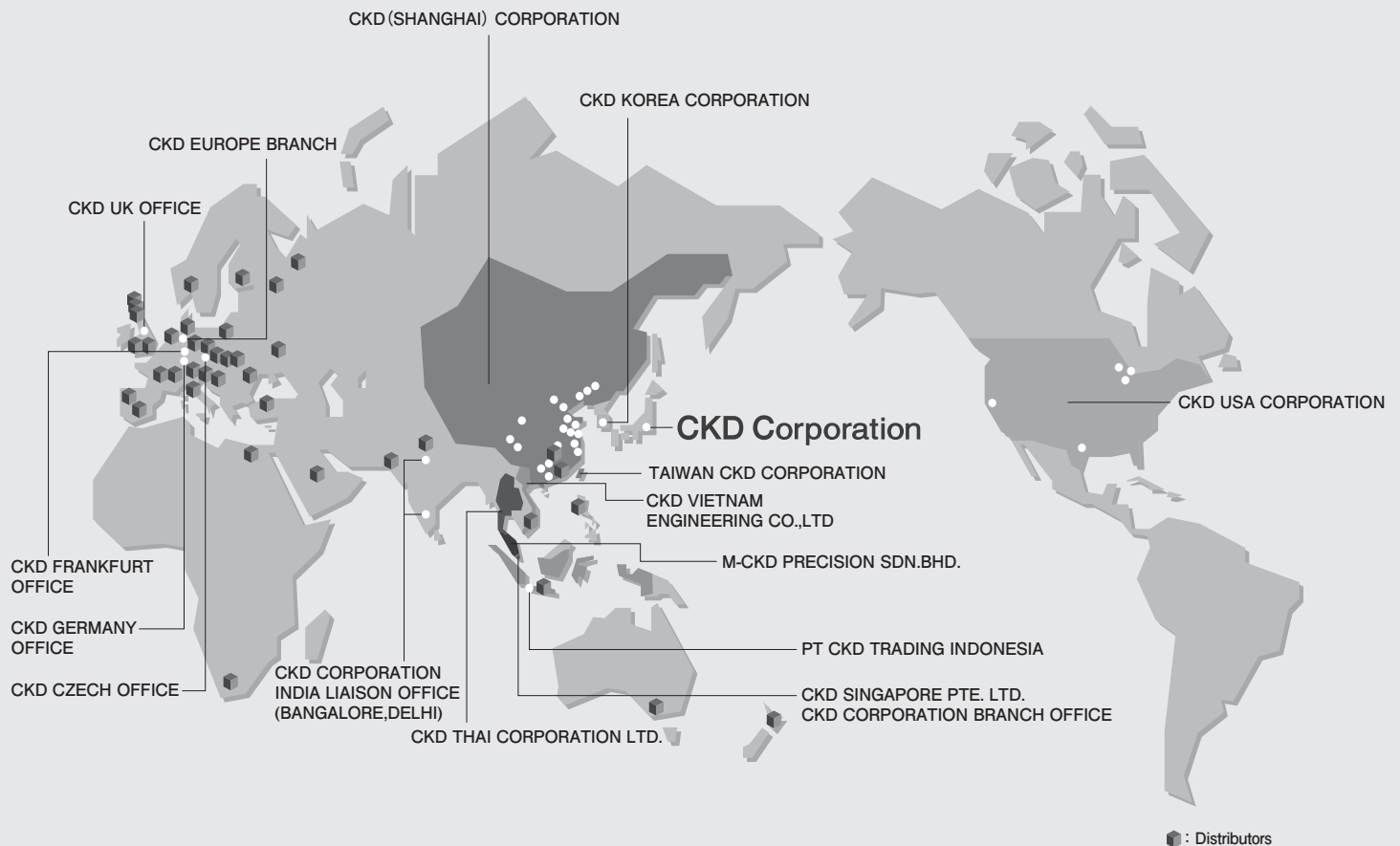
- To ensure long use, inspect maintenance parts periodically and replace them based on the standard replacement cycle.
For details, refer to the instruction manual enclosed with the product.

Installation environment and air quality

CAUTION

- The refrigerated air dryer employs copper piping (phosphorous-deoxidized copper tube) on its refrigerant gas and heat exchanger internal piping. If a hole opens on this copper piping from corrosion, the following damage may occur: refrigerant gas leakage, inoperable machine, water from the air dryer's compressed air outlet side, etc. In addition, copper is used on electrical conducting material such as electrical wiring. If this corrodes, it can cause failure such as electrical leakage.
Heat exchangers are especially susceptible to corrosion when condensation and drying are repeated, and when corrosion-causing elements are present. Please exercise caution not only for

the installation environment of the air dryer, but also for the air going into the air compressor. Failure due to corrosion does not fall under the warranty.
A plant's exhaust contains substances that can lead to corrosion such as, NO_x (nitrogen oxide), SO_x (sulfur oxide), and CO₂ (carbon dioxide). Using care with regards to the installation location is necessary to assure that the air dryer and air compressor are not affected by the plant's exhaust. Although uncommon, corrosion of the copper tube (formicary corrosion) may occur due to hydrolysis caused by chlorine-based organic solvent (trichloroethylene), and aldehyde and alcohol (such as formaldehyde from building materials and methanol from chemicals) being sucked into the air dryer.



CKD Corporation

- 2-250 Uji Komaki, Aichi 485-8551, Japan
- PHONE +81-(0)568-74-1338 FAX +81-(0)568-77-3461

U.S.A.

CKD USA CORPORATION

●CHICAGO HEADQUARTERS

4080 Winnetka Avenue, Rolling Meadows, IL 60008, USA
PHONE +1-847-368-0539 FAX +1-847-788-0575

- CINCINNATI OFFICE
- SAN ANTONIO OFFICE
- SAN JOSE OFFICE
- DETROIT OFFICE

Europe

CKD CORPORATION EUROPE BRANCH

De Fruittuinen 28 Hoofddorp, the Netherlands
PHONE +31-(0)23-5541490 FAX +31-(0)23-5541491

- CZECH OFFICE
- UK OFFICE
- GERMANY OFFICE
- FRANKFURT OFFICE

Malaysia

M-CKD PRECISION SDN.BHD.

●HEAD OFFICE

Lot No.6, Jalan Modal 23/2, Seksyen 23, Kawasan MIEL,
Fasa 8, 40300 Shah Alam, Selangor Darul Ehsan, Malaysia
PHONE +60-(0)3-5541-1468 FAX +60-(0)3-5541-1533

- JOHOR BAHRU BRANCH OFFICE
- MELAKA BRANCH OFFICE
- PENANG BRANCH OFFICE

Thailand

CKD THAI CORPORATION LTD.

●SALES HEADQUARTERS

Suwan Tower, 14/1 Soi Saladaeng 1, North Sathorn Road,
Kwaeng Silom, Khet Bangrak, Bangkok 10500, Thailand
PHONE +66-(0)2-267-6300 FAX +66-(0)2-267-6305

- RAYONG OFFICE
- NAVANAKORN OFFICE
- EASTERN SEABORD OFFICE
- LAMPHUN OFFICE
- KORAT OFFICE
- AMATANAKORN OFFICE
- PRACHINBURI OFFICE
- SARABURI OFFICE

Singapore

CKD SINGAPORE PTE. LTD.

No.33 Tannery Lane #04-01 Hoesteel Industrial
Building, Singapore 347789, Singapore
PHONE +65-67442623 FAX +65-67442486

CKD CORPORATION BRANCH OFFICE

No.33 Tannery Lane #04-01 Hoesteel Industrial
Building, Singapore 347789, Singapore
PHONE +65-67447260 FAX +65-68421022

- INDIA LIAISON OFFICE BANGALORE
- INDIA LIAISON OFFICE DELHI

Indonesia

PT CKD TRADING INDONESIA

Wisma Keiai, 17th Floor, Jl. Jendral
Sudirman Kav.3, Jakarta 10220, Indonesia
PHONE +62-(0)21-572-3220 FAX +62-(0)21-573-4112

Vietnam

CKD VIETNAM ENGINEERING CO.,LTD.

18th Floor, CMC Tower, Duy Tan Street, Cau Giay
District, Hanoi, Vietnam
PHONE +84-4-37957631 FAX +84-4-37957637

Taiwan

台灣喜開理股份有限公司

TAIWAN CKD CORPORATION

16F-3, No. 7, Sec. 3, New Taipei Blvd., Xinzhuang Dist.,
New Taipei City 242, Taiwan
PHONE +886-(0)2-8522-8198 FAX +886-(0)2-8522-8128

- 新竹營業所 (HSINCHU OFFICE)
- 台中營業所 (TAICHUNG OFFICE)
- 台南營業所 (TAINAN OFFICE)

China

喜開理(上海)機器有限公司

CKD(SHANGHAI)CORPORATION

●營業部 / 上海浦西事務所 (SALES HEADQUARTERS / SHANGHAI PUXI OFFICE)
Room 601, 6th Floor, Yuanzhongkeyan Building, No. 1905
Hongmei Road, Xinhui District, Shanghai 200233, China

PHONE +86-(0)21-61911888 FAX +86-(0)21-60905356

- 上海浦東事務所 (SHANGHAI PUDONG OFFICE)
- 無錫事務所 (WUXI OFFICE)
- 杭州事務所 (HANGZHOU OFFICE)
- 寧波事務所 (NINGBO OFFICE)
- 南京事務所 (NANJING OFFICE)
- 蘇州事務所 (SUZHOU OFFICE)
- 昆山事務所 (KUNSHAN OFFICE)
- 北京事務所 (BEIJING OFFICE)
- 天津事務所 (TIANJIN OFFICE)
- 長春事務所 (CHANGCHUN OFFICE)
- 大連事務所 (DALIAN OFFICE)
- 青島事務所 (QINGDAO OFFICE)
- 濟南事務所 (JINAN OFFICE)
- 烟台事務所 (YANTAI OFFICE)
- 瀋陽事務所 (SHENYANG OFFICE)
- 重慶事務所 (CHONGQING OFFICE)
- 成都事務所 (CHENGDU OFFICE)
- 西安事務所 (XI'AN OFFICE)
- 武漢事務所 (WUHAN OFFICE)
- 鄭州事務所 (ZHENGZHOU OFFICE)
- 長沙事務所 (CHANGSHA OFFICE)
- 廣州事務所 (GUANGZHOU OFFICE)
- 深圳事務所 (SHENZHEN OFFICE)
- 東莞事務所 (DONGGUAN OFFICE)
- 廈門事務所 (XIAMEN OFFICE)

Korea

CKD KOREA CORPORATION

●HEADQUARTERS

(3rd Floor), 44, Sinsu-ro, Mapo-gu, Seoul 121-856, Korea
PHONE +82-(0)2-783-5201~5203 FAX +82-(0)2-783-5204

- 水原營業所 (SUWON OFFICE)
- 天安營業所 (CHEONAN OFFICE)
- 蔚山營業所 (ULSAN OFFICE)

The goods and their replicas, or the technology and software in this catalog are subject to complementary export regulations by Foreign Exchange and Foreign Trade Law of Japan.

If the goods and their replicas, or the technology and software in this catalog are to be exported, laws require the exporter to make sure they will never be used for the development or the manufacture of weapons for mass destruction.