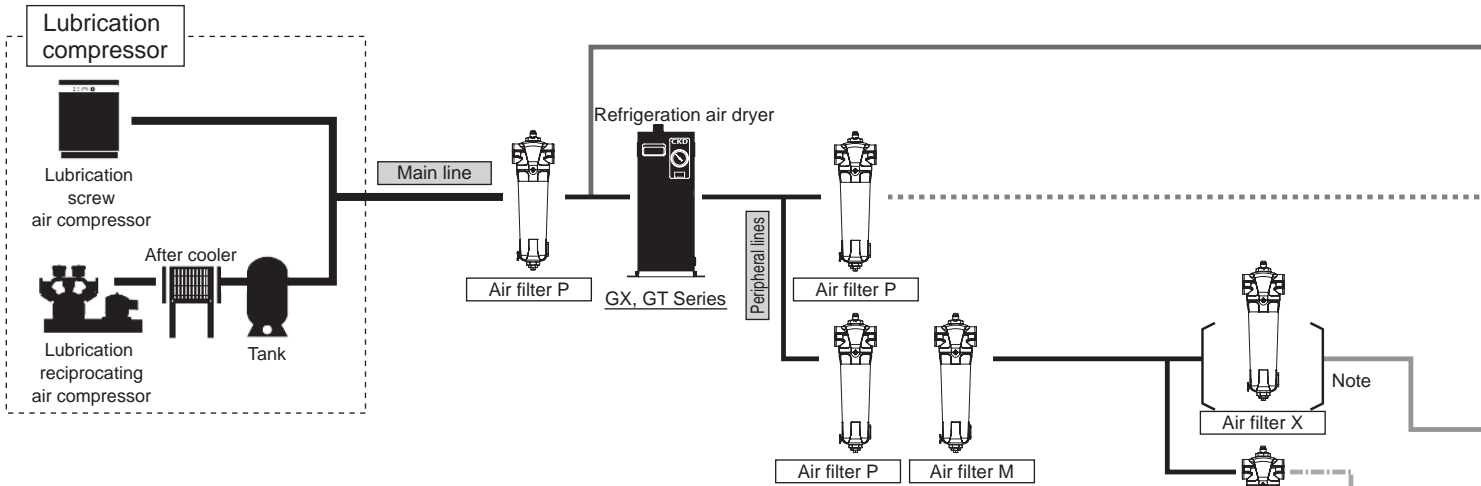
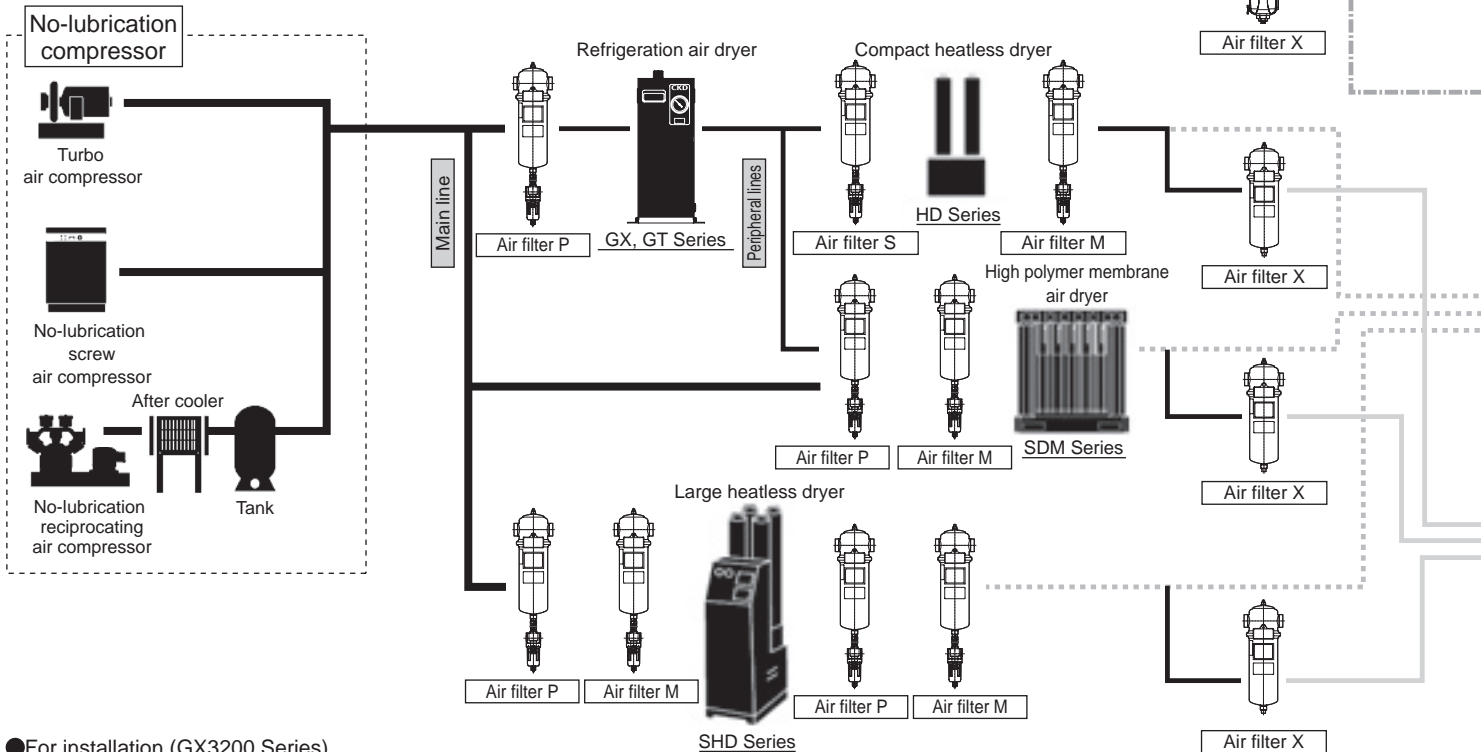


Example of system selection list

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



Note: Install the X type shown in brackets when the inlet oil vapor is 0.005 mg/m³ or more (at 21°C).
The oil grade is "Grade 2" when not installed.



●For installation (GX3200 Series)

Air compressor		Refrigeration air dryer	Main line filter P type (1 μm)	Main line filter M type (0.01 μm)	Main line filter X type (deodorizing)
Output kW	Reference processing air rate m ³ /min (ANR)				
Up to 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	GX3208D-AC100/200V	F4000-15-W-F1	M4000-15-W-F1	M4000-15-W-X
7.5	0.94/1.13	GX3211D-AC100/200V	F6000-20-W-F1	M6000-20-W-F1	M6000-20-W-X
11	1.65/1.82	GX3215D-AC200V	F8000-20-W-F1	M8000-20-W-F1	M8000-20-W-X
15	2.40/2.80	GX3222D-AC200V	AF2-05P25A	AF2-05M25A	AF2-05X25A
22	3.70/4.20	GX3237D-AC200V	AF2-08P32A	AF2-08M32A	AF2-08X32A
37	5.70/6.10	GX3255D-AC200V	AF2-13P50A	AF2-13M50A	AF2-13X50A
55	8.40/9.80				

●For direct compressor connection (GX5200 Series)

Air compressor		Refrigeration air dryer	Main line filter P type (1 μm)	Main line filter M type (0.01 μm)	Main line filter X type (deodorizing)
Output kW	Reference processing air rate m ³ /min (ANR)				
Up to 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	AF2-05P25A	AF2-05M25A	AF2-05X25A
22	3.70/4.20	GX5222D-AC200V	AF2-08P32A	AF2-08M32A	AF2-08X32A
37	5.70/6.10	GX5237D-AC200V	AF2-08P32A	AF2-08M32A	AF2-08X32A
55	8.60/9.90	GX5255D-AC200V	AF2-13P50A	AF2-13M-50A	AF2-13X50A
75	11.40/12.60	GX5275D-AC200V	AF2-13P50A	AF2-13M-50A	AF2-13X50A

*1: Use anti-rust processed materials for piping (zinc plated pipe, lined pipe, stainless steel pipe). If there is a high possibility that rust or flakes are generated in the pipe due to the piping material, install an air filter in front of the dryer.

Table of system selection examples

Air quality	Applications	Grade
Water drip removal air/ coarse dust removal air	For construction/civil engineering machinery Air for cleaning (dry air not required)	2.-.-
General dry air	Standard pneumatic components Standard pneumatic tools Labor saving components Jigs and tools for air Air chucks	2.6.3
	Air vices Air for cleaning precision components	2.5.3
Dry air (oil-free)	For instrumentation For measurement Sequence control High-grade paint	1.6.1
		1.5.1
Dry air (odorless)	Food product industry (where air is not directly blown onto food) Pharmaceutical industry For stirring/transporting/drying/packageing/brewing	1.6.1
		1.5.1
Ultra dry air (oil-free)	Ozone generator Powder transfer Drying of atmospheric gas for furnaces Drying of high-voltage generator insulation gas Drying of computer rooms For centralized control instruments	1.3.1
		1.2.1
		1.2.1
Ultra dry air (odorless)	Food product industry (where air is not directly blown onto food) Pharmaceutical industry For stirring/transporting/drying/packageing/brewing	1.3.1
		1.2.1
		1.2.1

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- Fit/Tube
- Nozzle
- Air Unit
- PressCompn
- Electro Press SW
- ContactSW
- AirSens
- PresSW Cool
- Air Flo Sens/Ctrl
- WaterRISens
- TotAirSys (Total Air)
- TotAirSys (Gamma)
- Gas generator
- RefrDry
- DesicDry
- HiPolymDry
- MainFiltr
- Dischrg etc
- Ending

JIS B 8392-1:2012 Compressed air purity grade

Grade	Solid particles			Humidity and moisture		Oil	
	Max. number of particles per 1 m ³ for particle diameter d (μm)			Mass conc. Cp	Pressure dew point	Water conc. Cw	Total oil conc.
	0.1 < d ≤ 0.5	0.5 < d ≤ 1.0	1.0 < d ≤ 5.0	mg/m ³	°C	g/m ³	mg/m ³
0	Conditions higher than Grade 1 will be agreed upon between user and supplier.						
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

JIS B 8392-1:2003 has been revised to JIS B 8392-1:2012.

For example,

What is Grade 1:2:1?

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