Series variation

Medium/large filter

. -		/						
		,						
.)								
)		Medi	um (general pur	pose)		Medium	(oil-free)	
Serie		AF2-□P	AF2-□M	AF2-□X	AF4000P	AF4000S	AF4000M	AF4000X
Sp	ecifications					Stainless s	steel vessel	
Applicable air compress	Processing flow rate	• Dust 1 µm		Oil content 0.003 mg/m³ Deodorization	• Dust 5 µm	• Dust 1 µm		Oil content 0.003 mg/m Deodorization
kW (reference							Oil content 0.01 mg/m²	Deodonzation
p4	0.75 0.15 1.5 0.22							
	2.2 0.35							
	3.7 0.5							
R	5.5 0.825 7.5 1.0							
R 1	1 1.5	2 ((25)	2 ((25)	2 ((25)				
1 1 2		● (4.95) ● (4.95)	● (4.95) ● (4.95)	● (4.95) ● (4.95)	● (3.7)	• (3.7)	● (3.7)	• (3.7)
3	7 6.2/7.93	● (7.93)	● (7.93)	● (7.93)	● (6.2)	● (6.2)	● (6.2)	● (6.2)
5 7	5 10/11.3 5 12.8/13	● (11.3) ● (12.8)	● (11.3) ● (12.8)	● (11.3) ● (12.8)	● (10) ● (13)	● (10) ● (13)	● (10) ● (13)	● (10) ● (13)
9	5 16/18.8/19.8	● (19.8)	● (19.8)	● (19.8)	(1.5)	● (18.8)	● (18.8)	● (18.8)
12 15		•	•	•				
20	0							
25								
1 30 40								
48	0 96							
710	128 0 160							
960	0 192							
1450	<u> </u>				•	•	•	
Differen	ntial pressure gauge	Standard equipment	Standard equipment	-	Option	Option	Option	Option
Different	ial pressure alarm output	-	-	-	-	-	-	-
Auto-d	Irain	Float	Float	-	Float	Float	Float	-
Low pr	essure loss element	Standard equipment	Standard equipment	Standard equipment	Standard equipment	Standard equipment	Standard equipment	Standard equipmen
Shut-o	off valve	Standard equipment	Standard equipment	Standard equipment	Included in auto-drain	Included in auto-drain	Included in auto-drain	-
Specif	ied color paint	×	×	×	-	-	-	-
Compa	nion flange attached	×	×	×	-	-	-	-
Founda	ation bolt/nut attached	×	×	×	-	-	-	-
Foundation	on bolt/nut attached (SUS)	×	×	×	-	-	-	-
Outdoo	or	×	×	×	-	-	-	-
IN/OU	T reverse direction	-	-	-	-	-	-	-
Produc	ct photo	×	×	×	-	-	-	-
Appea	rance							
Page			1848			18	358	

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Series variation

F.R.L.

F.R.

Note) This list is a selection guideline.

Refer to the page for selection, and select a model after checking installation and operating conditions.

r compressor W (reference) 0.75 1.5 2.2 3.7 5.5 7.5 11 15 22 37 55 75 95 120 150 200 250 300 400 480 - 710	ons sing flow rate m³/min 0.15 0.22 0.35 0.5 0.825 1.0 1.5 3.7/4.95 3.7/4.95 6.2/7.93 10/11.3 12.8/13 16/17/18.8 24.1 32 48 64 80 96	AF3000P • Dust 3 μm • (16)	Large (I AF3000S • Dust 0.3 μm • Oil content 0.5 mg/m³	AF3000M	AF3000X Oil content 0.03 mg/m³ Deodorization	AF5000P • Dust 3 μm	AF5000S	oil-free) AF5000M Iteel vessel Dust 0.01 µm Oil content 0.01 mg/m³	AF5000X • Oil content 0.003 mg/m² • Deodorization
Specification Specification pplicable Proces r compressor W (reference) 0.75 1.5 2.2 3.7 5.5 7.5 11 15 22 37 55 75 95 120 150 200 250 300 400 480 - 710	sing flow rate m³/min 0.15 0.22 0.35 0.5 0.825 1.0 1.5 3.7/4.95 3.7/4.95 6.2/7.93 10/11.3 12.8/13 16/17/18.8 24.1 32 48 64 80	• Dust 3 μm • (16)	• Dust 0.3 μm • Oil content 0.5 mg/m³	• Dust 0.01 µm • Oil content 0.01 mg/m³	Oil content 0.03 mg/m³		Stainless s	• Dust 0.01 µm	Oil content 0.003 mg/m²
poplicable Proces r compressor W (reference) 0.75 1.5 2.2 3.7 5.5 7.5 11 15 22 37 55 75 95 120 150 200 250 300 400 480 - 710	sing flow rate m³/min 0.15 0.22 0.35 0.5 0.825 1.0 1.5 3.7/4.95 3.7/4.95 6.2/7.93 10/11.3 12.8/13 16/17/18.8 24.1 32 48 64 80	• (16)	Oil content 0. 5 mg/m³ (16)	Oil content 0.01 mg/m³		• Dust 3 μm	• Dust 0.3 µm	• Dust 0.01 μm	ľ
r compressor W (reference) 0.75 1.5 2.2 3.7 5.5 7.5 11 15 22 37 55 75 95 120 150 200 250 300 400 480 - 710	m³/min 0.15 0.22 0.35 0.5 0.825 1.0 1.5 3.7/4.95 6.2/7.93 10/11.3 12.8/13 16/17/18.8 24.1 32 48 64 80	• (16)	Oil content 0. 5 mg/m³ (16)	Oil content 0.01 mg/m³		• Dust 3 μm			ľ
0.75 1.5 2.2 3.7 5.5 7.5 11 15 22 37 55 75 120 150 200 250 300 400 480 - 710	0.15 0.22 0.35 0.5 0.825 1.0 1.5 3.7/4.95 6.2/7.93 10/11.3 12.8/13 16/17/18.8 24.1 32 48 64 80		• (16)						
1.5 2.2 3.7 5.5 7.5 11 15 22 37 55 75 95 120 150 200 250 300 400 480 	0.22 0.35 0.5 0.825 1.0 1.5 3.7/4.95 3.7/4.95 6.2/7.93 10/11.3 12.8/13 16/17/18.8 24.1 32 48 64 80			146)					
2.2 3.7 5.5 7.5 11 15 22 37 55 75 95 120 150 200 250 300 400 480 -	0.35 0.5 0.825 1.0 1.5 3.7/4.95 6.2/7.93 10/11.3 12.8/13 16/17/18.8 24.1 32 48 64 80			146)					
3.7 5.5 7.5 11 15 22 37 55 75 95 120 150 200 250 300 400 480 -	0.5 0.825 1.0 1.5 3.7/4.95 6.2/7.93 10/11.3 12.8/13 16/17/18.8 24.1 32 48 64 80			146)					
5.5 7.5 11 15 22 37 55 75 95 120 150 200 250 300 400 480 -	0.825 1.0 1.5 3.7/4.95 3.7/4.95 6.2/7.93 10/11.3 12.8/13 16/17/18.8 24.1 32 48 64 80			● /16)					
7.5 11 15 22 37 55 75 95 120 150 200 250 300 400 480 - 710	1.0 1.5 3.7/4.95 3.7/4.95 6.2/7.93 10/11.3 12.8/13 16/17/18.8 24.1 32 48 64 80			▲ (16)					
11 15 22 37 55 75 95 120 150 200 250 300 400 480 -	1.5 3.7/4.95 3.7/4.95 6.2/7.93 10/11.3 12.8/13 16/17/18.8 24.1 32 48 64 80			▲ (16)					
15 22 37 55 75 95 120 150 200 250 300 400 480 -	3.7/4.95 3.7/4.95 6.2/7.93 10/11.3 12.8/13 16/17/18.8 24.1 32 48 64 80			▲ (16)					
22 37 55 75 95 120 150 200 250 300 400 480 -	3.7/4.95 6.2/7.93 10/11.3 12.8/13 16/17/18.8 24.1 32 48 64 80			● (16)					
37 55 75 95 120 150 200 250 300 400 480 -	6.2/7.93 10/11.3 12.8/13 16/17/18.8 24.1 32 48 64 80			● /16\					
55 75 95 120 150 200 250 300 400 480 -	10/11.3 12.8/13 16/17/18.8 24.1 32 48 64 80			△ (16)					
75 95 120 150 200 250 300 400 480 -	12.8/13 16/17/18.8 24.1 32 48 64 80			△ (16)			i		1
95 120 150 200 250 300 400 480 -	16/17/18.8 24.1 32 48 64 80			▲ (16)	1				
120 150 200 250 300 400 480 -	24.1 32 48 64 80			(10)	● (16)	● (16)	● (16)	● (16)	• (16)
150 200 250 300 400 480 - 710	32 48 64 80	•		- , ,	, ,	- , ,	,	, ,	- , /
250 300 400 480 - 710	64 80	•	•	•	•	•	•	•	•
300 400 480 - 710	64 80	•							
400 480 - 710	80		•	•	•	•	•	•	•
480 - 710		•	•	•	•	•	•	•	•
710	96	•	•	•	•	•	•	•	•
710	400		•	•	•	•	•	•	•
	128		•	•	•	•	•	•	•
	160								
960 1450	192 256								•
					_				
Differential press	sure gauge	Standard equipment	Standard equipment	Standard equipment	-	Standard equipment	Standard equipment	Standard equipment	-
									1
Differential pressure	alarm output	Custom made	Custom made	Custom made	-	Standard equipment	Standard equipment	Standard equipment	-
						Electronic	Electronic		
Auto-drain		Float	Float	Float	-	(with alarm output)		Float	-
		•	•	•	•	•	•	•	•
_ow pressure los	ss element	Standard equipment	Standard equipment	Standard equipment	Standard equipment	Standard equipment	Standard equipment	Standard equipment	Standard equipmen
Churt off value		•	•	•		•	•	•	•
Shut-off valve	3	Included in auto-drain	Included in auto-drain	Included in auto-drain	×	Included in auto-drain	Included in auto-drain	Included in auto-drain	Standard equipmen
Specified cold	or paint	•	•	•	•	_	_	_	_
specified cold	or pairit	Option	Option	Option	Option			_	
Companion flang	ne attached	•	•	•	•	•	•	•	•
	je allaonea	Option	Option	Option	Option	Option	Option	Option	Option
oundation bolt/n	ut attached	•	•	•	•	•	•	•	•
		Option	Option	Option	Option	Option	Option	Option	Option
oundation bolt/nut at	ttached (SUS)	Ontion	Ontion	Ontion	0-4-	0-4:-	0-4:-	0-4:-	Ontion
	()	Option	Option	Option	Option	Option	Option	Option	Option
Outdoor		Option	Option	Option	Option	▲ Custom made	Custom made	Custom made	Custom made
		Фиоп	Option	Φ	Option	_ Custom made	_ Custom made	_ custom made	
N/OUT reverse	e direction	Option	Option	Option	Option	Option	Option	Option	Option
			●			- Οριίοπ -	●	Φ	●
Product photo	0	Option	Option	Option	Option	Option	Option	Option	Option
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			V	旦				100	
				26.			77	40	
Appearance								0.00	
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F.R.

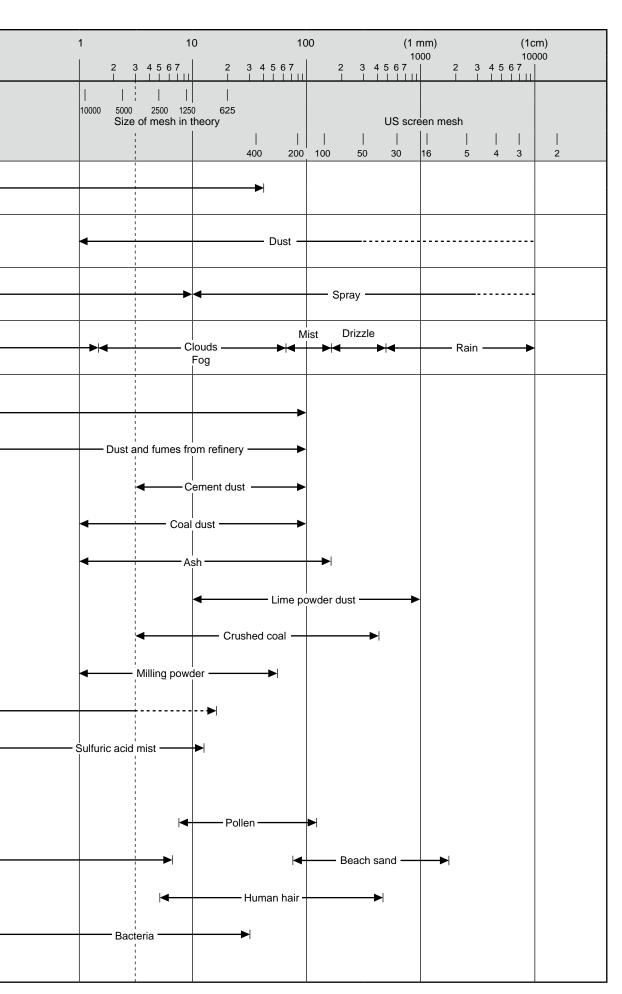
Med

other

Guide to particle sizes F.R.L. 0.0001 0.001 0.01 0.1 1 Micron unit (µm) F (Filtr) 4567 4 5 6 7 3 4 5 6 7 R (Reg) ΙÅ 10Å 1000Å 100Å L (Lub) Drain Other units Angstrom unit Separ Mech Press SW Res press exh valve Categories by aerosol SlowStart Solid/liquid -Aerosol (fog property and fog substance) technology Anti-bac/Bacremove Filt Film Resist FR Solid Fumes Oil-ProhR Dispersion Categories by industry phase Press FR No Cu/ PTFE FRL in gas -Mist Liquid Outdrs FRL Adapter Categories by Joiner Press Smog meteorology Gauge CompFRL LgFRL Metallurgic dust and fumes PrecsR VacF/R Clean FR ElecPneuR Lampblack AirBoost Carbon black Speed Ctrl Silncr Zinc oxide fume CheckV/ Fit/Tube Nozzle Air Unit PrecsCompn Size of particle Electro Press SW by substance ContactSW Air-borne dust AirSens PresSW Cool Air Flo Sens/Ctrl WaterRtSens Cigarette smoke H_2O TotAirSys ΝН₃ (Total Air) TotAirSys (Gamma) Gas generator 000 Diameter of gas molecules -> Pigment RefrDry DesicDry N_2 CO₂ HiPolymDry MainFiltr Viruses Dischrg

etc Ending

Guide to particle sizes



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

Dischrg

F.R.L. F.R.

F (Filtr) R (Reg)

L (Lub) Drain Separ Press SW Res press exh valve SlowStart

remove Filt Resist FR Oil-ProhR Med Press FR

PTFE FRL Outdrs FRL Adapter Press Gauge CompFRL

PrecsR VacF/R Clean FR

LgFRL

ElecPneuR AirBoost

Speed Ctrl Silncr CheckV other Fit/Tube

Nozzle Air Unit

PrecsCompn Electro Press SW ContactSW AirSens

PresSW

Air Flo Sens/Ctrl WaterRtSens TotAirSys TotAirSys (Gamma) Gas generator

RefrDry DesicDry HiPolymDry

MainFiltr Dischrg

Ending

Replacing the element

■ Spent element must be disposed properly as industrial waste.

The filter cannot be regenerated and reused.

If the filter contains toxic or harmful substances, dispose of substances based on local laws.

2 Replace the element based on the following replacement standards.

P type: Replace when the differential pressure indicator in the filter body reaches the red zone or after one year of use, whichever comes first.

If use is continued while the indicator is in the red zone, the filter element could be damaged by the pressure difference, or pressure required for device operation may not be attained.

S type, M type:

Replace when the differential pressure indicator in the filter body reaches the red zone or after one year of use, whichever comes first.

If use is continued while the indicator is beyond the red zone, the filter element could be damaged by the pressure difference, or pressure required for device operation may not be attained.

When using the filter to remove oil, if the indicator is in the red zone and it is still being used, the oil captured by the element may flow out into the air again, and be carried to the secondary side. This will inhibit oil removal.

X type: Replace the element after the period specified for each model, or when the deodorizing effect is lost.

The X type filter adsorbs odorous molecules with adsorbent, so the service life cannot be detected by the element's pressure difference. Judge the status by odor or manage the service life based on usage time.

Valve operation at start and end of daily operations

If the large ball valve, etc., is opened when starting and ending operations, pay attention to the following and open the valve slowly.

- If the large bore size valve is opened suddenly, an excessive flow rate several-fold larger than set device specifications may flow and damage the internal structure.
- If the large bore size valve is opened suddenly to discharge any residual pressure from the air line at the end of daily operations, excessive amounts of flow may result as above and reverse flow could occur, damaging devices.
- Note that the differential pressure gauge can be easily damaged by the increase of pressure loss due to an excessive flow rate (proportional to the square of the flow rate), and reverse pressure caused by reverse flow.

Recommended alternative model

Information on recommended alternative models for air filters (flange)

Production and sales of the "Old products" listed below have been discontinued.

As of August 2006

Select alternative models from "Current products".

Note: The comparison table given below shall be used only as a guideline. When making an actual selection, the current working air pressure, inlet air temperature, ambient temperature, and required dew point, etc., must be taken into consideration to ensure sufficient performance.

Comparison table for new and old air filter model No.

Class equivalent to 3 um

Class equivalent	to 3 µm		
Old p	roduct	Current	product
Flow rate (m³/min)	Model No.	Flow rate (m³/min)	Model No.
12	1113-16C-MD	-	
		16	AF3016P-50
20	1114-40C-MD		
		32	AF3032P-80
40	1123-48C-MD		
		48	AF3048P-100
60	1128-64C-MD		
		64	AF3064P-100
		80	AF3080P-150
		96	AF3096P-150
		128	AF3128P-150
		-	
		160	AF3160P-200
		192	AF3192P-200
		256	AF3256P-200

Class equivalen	t to 0.3 µm		
Old	product	Current	product
Flow rate (m³/min)	Model No.	Flow rate (m³/min)	Model No.
7.2	1113-16C-MDY		
9.5	1151J-16C-MD		
		16	AF3016S-50
19	1152-24C-MD	-	
20.5	4450 L 200 MD		
28.5	1152J-32C-MD	32	AF3032S-80
38	1153-32C-MD		
		48	AF3048S-100
57	1154-32C-MD		
		64	AF3064S-100
76	1155-48C-MD		
		80	AF3080S-150
95	1155J-48C-MD	96	AF3096S-150
114	1156-48C-MD	-	
		128	AF3128S-150
152	1157-48C-MD		
		160	AF3160S-200
190	1158-64C-MD	192	AF3192S-200
		256	AF3256S-200

Class equivalent to 0.01 µm

Old p	roduct	Current product			
low rate (m³/min)	Model No.	Flow rate (m³/min)	Model No.		
11.9	1251J-16C-MD				
		16	AF3016M-50		
23.8	1252-24C-MD				
		32	AF3032M-80		
35.7	1252J-32C-MD				
47.6	1253-32C-MD	48	AF3048M-100		
		64	AF3064M-100		
71.4	1254-32C-MD				
		80	AF3080M-150		
95.2	1255-48C-MD	96	AF3096M-150		
119	1255J-48C-MD				
		128	AF3128M-150		
142.8	1256-48C-MD				
		160	AF3160M-200		
190.4	1257-48C-MD	192	AF3192M-200		
238	1258-64C-MD	256	VE33E6M 300		
		256	AF3256M-200		

Old p	roduct	Current product			
w rate (m³/min)	Model No.	Flow rate (m³/min)	Model No.		
11.9	1251J-16C-MX				
		16	AF3016X-50		
23.8	1252-24C-MX				
		32	AF3032X-80		
35.7	1252J-32C-MX				
47.6	1253-32C-MX	48	AF3048X-100		
		64	AF3064X-100		
71.4	1254-32C-MX	+			
		80	AF3080X-150		
95.2	1255-48C-MX	96	AF3096X-150		
119	1255J-48C-MX				
		128	AF3128X-150		
142.8	1256-48C-MX				
		160	AF3160X-200		
190.4	1257-48C-MX	192	AF3192X-200		
238	1258-64C-MX				
		256	AF3256X-200		

indicates the general purpose. Processing flow rates are guidelines. (Based on the temporary pressure of 0.7 MF

CKD

1841

F.R.L. F.R.

F (Filtr)

R (Reg)

L (Lub) Drain Separ Mech Press SW Res press

exh valve SlowStart Anti-bac/Bacremove Filt Film Resist FR Oil-ProhR Med

Press FR No Cu/ PTFE FRI Outdrs FRL Adapter Joiner Press Gauge CompFRL

LgFRL **PrecsR**

VacF/R Clean FR ElecPneuR AirBoost

Silncr CheckV/ other

Speed Ctrl

Fit/Tube

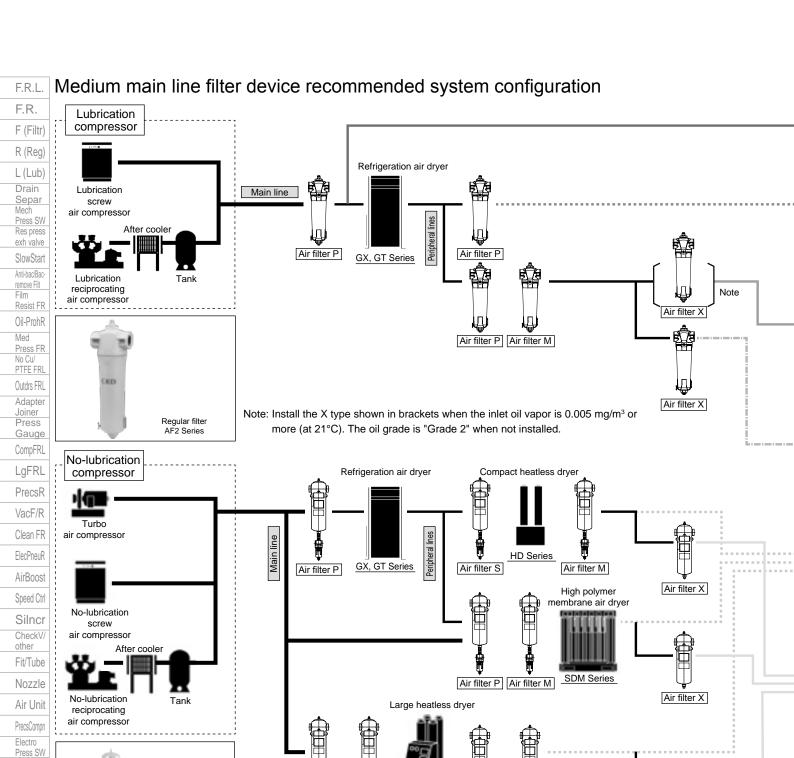
Nozzle Air Unit PrecsCompn Electro Press SW ContactSW AirSens PresSW

> Air Flo Sens/Ctrl WaterRtSens

TotAirSys (Total Air) TotAirSys (Gamma) generator RefrDry DesicDry

HiPolymDry MainFiltr

Dischrg



JIS B 8392-1:2012 Compressed air purity grade

Oil-free filter

(Stainless steel)

AF4000 Series

		Solid	particles		Humidity ar	nd moisture	Oil
Grade	Max. number of pa	rticles per 1 m³ for pa	rticle diameter d (µm)	Mass concentration Cp	Pressure dew point	Water concentration Cw	Total oil concentration
	0.1 < d ≤ 0.5	0.5 < d ≤ 1.0	1.0 < d ≤ 5.0	mg/m³	°C	g/m³	mg/m³
0		(Conditions stricter that	n Grade 1 to be spen	cified by user or supp	lier.	
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 8392-1:201

Air filter P Air filter M

For example,

SHD Series

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

Air filter X

Pressure dew point -40°C or less

Air filter P Air filter M

Oil concentration 0.01 mg/m³ or less.

ContactSW AirSens PresSW

Air Flo

Sens/Ctrl

WaterRtSens

TotAirSys

(Total Air) TotAirSys (Gamma)

HiPolymDry

MainFiltr

Dischrg

Ending

etc

Gas generator RefrDry DesicDry

Air quality	Applications		Impurities in air			
Air quality	Applications	Solid particle Moisture		Oil content	Grade	
Water drip removal air/ coarse dust removal air	For construction/civil engineering machinery Air for cleaning (dry air not required)	1 µm	-	-	2	
General dry air	General pneumatic components General pneumatic tools Labor saving components Pneumatic jigs and tools	1 μm	Pressure dew point 10°C	0.6 mg/m³	2.6.3	
	Air chuck Air vice Air for cleaning precision parts		Pressure dew point 7°C	0.0 mg/m	2.5.3	
Dry air (oil-free)	Instrumentation Measurement	0.01 µm	Pressure dew point 10°C	0.01 mg/m³	1.6.1	
2.) a (c 1.83)	Sequence control High-grade coating	Pressure dew point	[0.003 mg/m³]	1.5.1		
	Food processing industry (where air is not directly blown onto food)	Pressure dew point 10°C 0.01 µm Pressure dew point 7°C		0.000 / 2	1.6.1	
Dry air (odorless)	Pharmaceutical industry Agitation/transportation/dry/package/air for brewing		0.003 mg/m ³	1.5.1		
	Ozone generator Powder transfer		Pressure dew point -20°C		1.3.1	
Ultra dry air (oil-free)	Drying furnace gas Drying the insulation gas of a high-voltage generator	0.01 um	Pressure dew point -40°C		1.2.1	
	Drying computer rooms Centralized control instrumentation Pressure dew point -60°C		1.2.1			
	Food processing industry (where air is not		Pressure dew point -20°C		1.3.1	
Ultra dry air (odorless)	directly blown onto food) Pharmaceutical industry Agitation/transportation/dry/package/air for	0.01 µm	Pressure dew point -40°C	0.003 mg/m³	1.2.1	
	brewing		Pressure dew point -60°C		1.2.1	

Precautions for system selection

- *1: If your conditions are different, refer to the specifications in the catalog in order to select a model.
- *2: This example of system selection is based on an air-cooling refrigeration air dryer. When making a selection based on an air-cooling refrigeration air dryer, the since standard processing air flow rate may differ, the model No. of the filter may vary.

Contact CKD for details.

- *3: Air filter and oil mist filter are to be used where the inlet air temperature is 60°C or less, and X type where the inlet air temperature is 30°C or less. If air temperature from the secondary side of the refrigeration air dryer is high, keep enough distance from the refrigeration air dryer to maintain a temperature no greater than the inlet air temperature.
- *4: This system cannot be used for high pressure specifications (1 to 1.6 MPa). Consult with CKD for details.
- *5: Use anti-rust processed materials for piping (zinc plated pipe, lining pipe or stainless steel pipe).
- *6: If a processing air rates larger than the refrigeration air dryer supplies may though they be used instantaneously, install a tank to the secondary side of the refrigeration air dryer. Installing a tank supplies stable moisture removed air.
- *7: The air filter at the secondary side of the refrigeration air dryer can be used as a pre-filter before an oil mist filter.
- *8: Depending on working conditions, condensation may form on the inside of the refrigeration air dryer and drip to the floor. To prevent water drops from flowing out, install a drain-pan, etc., before installing the dryer.
- *9: Consult with CKD for energy-saving systems.
- *10:Install a filter immediately before the equipment to be used to remove contaminants existing in the piping.

> Press SW ContactSW

AirSens PresSW Cool

Air Flo Sens/Ctrl WaterRtSens

TotAirSys (Total Air) TotAirSys (Gamma)

generator RefrDry

DesicDry HiPolymDry

MainFiltr Dischrg