

# KDHR series

# AIR DRYER

Refrigerated Air Dryer  
(Air Cooled Type)



- Specially designed and produced heat exchanger makes compressed air with high temperature and humidity to clean air without minute moisture by rapid refrigerated cycle. Easy disassembling case serve for easy cleaning, A/S and maintenance.

## How to Order

**KDHR - 5**

①                      ②

① Series

KDHR : Refrigerated air dryer

② Body size

5, 7, 10, 15, 20, 30, 50, 75, 100,  
150, 200, 250, 300, 400, 500, 600, 800

## Specifications

Model	Flow capacity(Nm <sup>3</sup> /min)		In/out port Rc(PT)	Electricity			Weight (kg)
	60Hz	50Hz		V	A	Kw	
KDHR-5	0.62	0.57	3/4" (S)	AC 1Ph 220V 60Hz	1.14	0.2	40
KDHR-7	0.97	0.89	3/4" (S)		1.14	0.2	40
KDHR-10	1.35	1.23	3/4" (S)		2.5	0.4	40
KDHR-15	1.96	1.8	3/4" (S)		3.5	0.8	45
KDHR-20	2.6	2.4	1" (S)		6.1	0.9	84
KDHR-30	3.9	3.5	1" (S)		5.1	0.9	86
KDHR-50	7.2	6.6	2" (S)		6	1.0	117
KDHR-75	11.1	10.5	2" (S)		10	1.9	170
KDHR-100	14.6	13.3	2" (S)		12.5	2.8	196
KDHR-150	21.9	20.0	3" (F)		12.2	3.8	325
KDHR-200	31.3	28.6	3" (F)	17.0	5.2	380	
KDHR-250	40.1	36.6	4" (F)	17.0	5.2	468	
KDHR-300	47.6	43.5	4" (F)	AC 3Ph 220V/380V /440V 60Hz	17.0	5.2	660
KDHR-400	59.5	54.3	4" (F)		26.5	5.6	790
KDHR-500	73.9	67.5	6" (F)		16	12.2	1560
KDHR-600	89.6	81.8	6" (F)		17	12.2	1700
KDHR-800	112.5	102.7	8" (F)		21	13.8	1780

\* In/out port : (S) Screw type, (F) Flange type

Dew point	Operating pressure	Fluid	Inlet temp.	Ambient temp.	Condenser
1.7℃~4℃	7.0kg/cm <sup>2</sup> (0.7MPa) Max:9.9kg/cm <sup>2</sup> (0.99MPa)	Air	40℃	1.7℃~40℃	Air Cooled Type

\* The flow capacity are based on 7.0kgf/cm<sup>2</sup>(0.7MPa) of inlet pressure, 38℃ of inlet temperature, 38℃ of ambient temperature, 4℃ of operation dew point.

# KDHR-W series

Refrigerated Air Dryer  
(Water Cooled Type)



- Using self-designed heat exchanger for a stable dew point. Using water cooled type condenser to condense refrigerant, maintain a stable refrigeration throughout four seasons..

## How to Order

**KDHR - 400 W**

①                      ②                      ③

① Series

KDHR : Refrigerated air dryer

③ Type

W : Water cooled type

② Body size

400, 500, 600, 750, 900, 1200, 1500,  
2000, 3000, 4000, 5000, 6000

## Specifications

Model	Flow capacity (Nm <sup>3</sup> /min)		In/out port (Air) Rc(PT)	In/out port (Out) Rc(PT)	Quantity of cooling water (t/min)	Frozen compressor (HP)	Weight (Kg)
	60Hz	50Hz					
KDHR-400W	63.6	58.1	4"(F)	1 1/2"(S)	53/105	7 1/2	640
KDHR-500W	79.1	72.2	6"(F)	2"(S)	64/127	10	1490
KDHR-600W	95.8	87.5	6"(F)	2"(S)	80/159	10	1570
KDHR-750W	120.3	109.8	8"(F)	2"(S)	105/210	15	1620
KDHR-900W	155.3	141.8	8"(F)	2 1/2"(F)	158/315	20	1740
KDHR-1200W	177.6	162.1	8"(F)	2 1/2"(F)	183/365	20	1890
KDHR-1500W	221.9	202.6	10"(F)	2 1/2"(F)	210/420	30	1970
KDHR-2000W	295.8	270.1	12"(F)	3"(F)	265/530	40	2180
KDHR-3000W	473.3	432.1	14"(F)	3"(F)	424/848	60	2320
KDHR-4000W	591.7	540.2	16"(F)	4"(F)	530/1060	80	2540
KDHR-5000W	709.9	648.1	18"(F)	5"(F)	636/1272	100	2760
KDHR-6000W	887.4	810.1	20"(F)	5"(F)	795/1590	130	3110

\* In/out port : (S) : Screw type, (F) Flange type

Freon Gas	Dew point	Max. operating pressure	Fluid	Inlet temp.	Ambient temp.	Condenser	Electricity
R22	1.7℃~4℃	9.9kg/cm <sup>2</sup> (0.95MPa)	Air	45℃	1.7℃~45℃	Water Cooled Type	AC 3Ph 220V/380V/440V 60Hz

\* The flow capacity are based on 7.0kgf/cm<sup>2</sup>(0.7MPa) of inlet pressure, 38℃ of inlet temperature, 17℃~30℃ of cooling water inlet temperature, 2kgf/cm<sup>2</sup>(0.2MPa) ~ 4.5kgf/cm<sup>2</sup>(0.45MPa) of cooling water pressure range and 4℃ of operation dew point.

Air Dryer

# KDHT series

# AIR DRYER

Refrigerated Air Dryer  
(High Temperature Type)



• This combination type including after cooler is easy to be installed at small space and to be piped.

## How to Order

**KDHT - 5**

①

②

① Series

KDHT : Refrigerated air dryer

② Body size

5, 7, 10, 15, 20, 30, 50

## Specifications

Model	Flow Capacity (Nm <sup>3</sup> /min)		In/out port Rc(PT)	Freon Gas	Weight (kg)
	60Hz	50Hz			
KDHT-5	0.62	0.57	3/4" (S)	R-134a	52
KDHT-7	0.97	0.89	3/4" (S)		54
KDHT-10	1.35	1.23	3/4" (S)		56
KDHT-15	1.96	1.8	3/4" (S)		67
KDHT-20	2.63	2.4	1" (S)	R22	93
KDHT-30	3.85	3.5	1" (S)		98
KDHT-50	7.24	6.6	1" (S)		130

\* In/out port : (S) : Screw type, (F) Flange type

Dew point	Operating pressure	Fluid	Inlet temp.	Electricity
4 °C	7.0kg/cm <sup>2</sup> (0.7MPa) Max:9.9kg/cm <sup>2</sup> (0.99MPa)	Air	55 °C Max:80 °C	1Ph 220V 60Hz

\* The flow capacity are based on 7kgf/cm<sup>2</sup>(0.7MPa) of inlet pressure, 38 °C of inlet temperature, 38 °C of ambient temperature, 4 °C of operation dew point .

# KDAH series

Desiccant Air Dryer  
(Heatless Type)



• KDAH series are universal products with reliable dew point under -40 °C (ATM), suitable performance for all seasons and easy parts maintenance.

## How to Order

**KDAH - 5**

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②

① Series

KDAH : Desiccant air dryer

② Body size

5, 7, 10, 15, 20, 30, 50, 75, 100, 130, 150, 170, 200, 250, 300, 400, 450, 500, 600, 750, 900

## Specifications

Model	Flow Capacity (Nm <sup>3</sup> /hr)	In/out port Rc(PT)	Gel/2Tower (kg)	Weight (kg)
KDAH-5	28	1/2"(S)	10	70
KDAH-7	55	1/2"(S)	22	115
KDAH-10	91	3/4"(S)	30	158
KDAH-20	173	1"(S)	62	225
KDAH-30	247	1"(S)	90	275
KDAH-40	356	1 1/2"(S)	100	320
KDAH-50	526	1 1/2"(S)	136	380
KDAH-75	651	1 1/2"(S)	176	490
KDAH-100	838	2"(S)	222	590
KDAH-130	975	2"(S)	258	615
KDAH-150	1247	2"(S)	283	675
KDAH-170	1511	2 1/2"(F)	392	845
KDAH-200	1778	2 1/2"(F)	490	985
KDAH-250	2160	3"(F)	546	1145
KDAH-300	2576	3"(F)	656	1225
KDAH-400	3089	3"(F)	910	1570
KDAH-450	3557	4"(F)	1276	2190
KDAH-500	4058	4"(F)	1430	2400
KDAH-600	5796	6"(F)	2032	3220
KDAH-750	7371	6"(F)	2380	4560
KDAH-900	8946	6"(F)	3088	5600

\* In/out port : (S) : Screw type, (F) Flange type

\* The flow capacity are based on 38 °C of inlet temperature, 7kgf/cm<sup>2</sup>(0.7MPa) of standard pressure, -40 °C of dew point below atmosphere temperature .

# KDAE series

# AIR DRYER

Desiccant Air Dryer  
(Heater Type)



- KDAE Series are designed for reliable dew point under 70°C (ATM) with minimizing overheating of heater. 2way Butterfly valve is installed in all products. Dehumidification time can be extended regard to load.
- Dehumidification time can be extended regarding to load.

## How to Order

KDAE - 20

①                      ②

① Series

KDAE : Desiccant air dryer

② Body size

20, 40, 50, 75, 100, 130, 150, 200, 250, 280, 300, 400, 500, 600, 750, 900, 1200, 1500, 2000

## Specifications

Model	Flow Capacity (Nm <sup>3</sup> /hr)	In/out port Rc(PT)	Gel/2Tower (kg)	Heater (kw)	Weight (kg)
KDAE-20	158	1"(S)	74	2	340
KDAE-40	391	1 1/2"(S)	136	3	540
KDAE-50	523	1 1/2"(S)	174	4.5	745
KDAE-75	627	1 1/2"(S)	223	5.5	905
KDAE-100	914	2"(S)	300	7.5	1130
KDAE-130	998	2"(S)	394	9.5	1380
KDAE-150	1311	2 1/2"(F)	490	12	1620
KDAE-200	1764	2 1/2"(F)	558	15	1850
KDAE-250	2048	3"(F)	750	18.5	2060
KDAE-280	2394	3"(F)	882	20	2440
KDAE-300	2804	3"(F)	1052	25	2990
KDAE-400	3517	4"(F)	1430	32	3930
KDAE-500	4486	4"(F)	1688	40	4500
KDAE-600	5130	6"(F)	2448	60	5960
KDAE-750	6930	6"(F)	2864	70	6750
KDAE-900	9006	6"(F)	3100	100	10630
KDAE-1200	11028	8"(F)	4590	110	11200
KDAE-1500	12600	9"(F)	5264	125	12800
KDAE-2000	15750	10"(F)	6580	160	16700

\* In/out port : (S) : Screw type, (F) Flange type.

\* The flow capacity are based on 7.0kgf/cm<sup>2</sup>(0.7MPa) of inlet pressure, 38°C of inlet temperature, 38°C of ambient temperature and 4°C of operation dew point.

# KDAE-S series

Desiccant Air Dryer  
(Skid type)



- The absorption Skid type guarantees the performance of more than -40°C(ATM) of dew point and is designed to minimize the overheating of the heater. And as the Pre-filter and the After-filter are manufactured as a skid type, piping work in the field is very easy.

## How to Order

KDAE - 20 S

①                      ②                      ③

① Series

KDAE : Desiccant air dryer

③ Type

S : Skid type

② Body size

50, 75, 100, 130, 150, 200, 250, 300, 400, 500, 600, 750, 1550, 3000, 4100

## Specifications

Model	Flow Capacity (Nm <sup>3</sup> /hr)	In/out port Rc(PT)	Gel/2Tower (kg)	Heater (kw)	Weight (kg)
KDAE-50S	523	1 1/2	174	4.5	890
KDAE-75S	627	1 1/2	223	5.5	985
KDAE-100S	914	2	300	7.5	1320
KDAE-130S	998	2	394	9.5	1550
KDAE-150S	1311	2 1/2	490	12	1820
KDAE-200S	1764	2 1/2	558	15	2100
KDAE-250S	2048	3	750	18.5	2320
KDAE-300S	2804	3	1052	25	3200
KDAE-400S	3517	4	1430	32	5050
KDAE-500S	4486	4	1688	40	5100
KDAE-600S	5130	6	2448	60	7300
KDAE-750S	6930	6	2864	70	9500
KDAE-1550S	2952	4	1388	32	4900
KDAE-3000S	5400	6	2376	60	7200
KDAE-4100S	6600	6	2864	70	9500

Air Dryer

# KDAO series

# AIR DRYER

Desiccant Air Dryer  
(Oilless Type)



- KDAO Series aim at removing oil mist. Therefore, lifetime of desiccant is extended. Regarding to the limit of dew point, this series can be produced as heatless type or heater type.

## How to Order

KDAO - 5

①

②

① Series

KDAO : Desiccant air dryer

② Body size

5, 7, 10, 20, 30, 40, 50, 75, 100, 130, 150, 170, 200, 250, 300, 400, 450, 500, 600, 750, 900

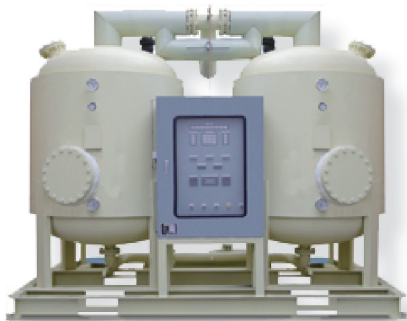
## Specifications

Model	Flow Capacity (Nm <sup>3</sup> /hr)	In/out port Rc(PT)	SOMA (kg)	Gel/2Tower (kg)	Weight (kg)
KDAO-5	28	1/2"(S)	3	10	80
KDAO-7	55	1/2"(S)	6	22	175
KDAO-10	91	3/4"(S)	9	30	221
KDAO-20	173	1"(S)	18	62	300
KDAO-30	247	1"(S)	26	90	365
KDAO-40	356	1 1/2"(S)	29	100	442
KDAO-50	526	1 1/2"(S)	40	136	510
KDAO-75	651	1 1/2"(S)	55	176	700
KDAO-100	838	2"(S)	69	222	850
KDAO-130	975	2"(S)	80	258	895
KDAO-150	1247	2"(S)	88	283	1000
KDAO-170	1511	2 1/2"(F)	121	392	1260
KDAO-200	1778	2 1/2"(F)	151	490	1455
KDAO-250	2160	3"(F)	172	546	1505
KDAO-300	2576	3"(F)	206	656	1745
KDAO-400	3089	3"(F)	287	910	2380
KDAO-450	3557	4"(F)	402	1276	3190
KDAO-500	4058	4"(F)	451	1430	3500
KDAO-600	5796	6"(F)	660	2032	4790
KDAO-750	7371	6"(F)	773	2380	5670
KDAO-900	8946	6"(F)	1003	3088	6890

\* In/out port : (S) : Screw type, (F) Flange type

# KDAB series

Desiccant Air Dryer  
(Heater Blower Type)



- KDAB Series use the method of recycling the absorbent by sucking the external air with a blower. They are an energy-saving air dryer which uses only minimum compressed air.
- Period of dehumidification might be extended depending on the load applied.

## How to Order

KDAB - 110

①

②

① Series

KDAB : Desiccant air dryer

② Body size

110, 130, 150, 200, 250, 280, 300, 400, 500, 600, 750, 1200, 1500, 2000

## Specifications

Model	Flow Capacity (Nm <sup>3</sup> /hr)	In/out port Rc(PT)	Electricity		Gel/2Tower (kg)	Weight (kg)
			Heater (kw)	Blower (Hp)		
KDAB-110	873	2"	13	3	400	1080
KDAB-130	970	2 1/2"	13	3	480	1320
KDAB-150	1260	2 1/2"	17	3	610	1520
KDAB-200	1520	3"	20	5	730	1770
KDAB-250	1845	3"	25	5	900	2060
KDAB-280	2180	3"	32	5	1080	2450
KDAB-300	3010	4"	40	7.5	1440	3240
KDAB-400	3490	4"	46	7.5	1700	3720
KDAB-500	4365	6"	55	10	2100	4410
KDAB-600	5820	6"	80	10	2800	5390
KDAB-750	7760	6"	100	15	3720	6860
KDAB-1200	9800	8"	130	20	4600	11270
KDAB-1500	11650	8"	150	20	5600	12250
KDAB-2000	15550	10"	180	25	6970	13900

# KDNP series

# AIR DRYER

Desiccant Air Dryer  
(Non-Purge Type)

## How to Order

**KDNP - 1100**

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②

① Series

KDNP : Desiccant air dryer

② Body size

1100, 1550, 2100, 3000, 4100, 5400,  
6000, 7000, 9000



- KDNP Series regenerate desiccant using waste heat from compressor (approx. 150 °C)  
This energy saving air dryers have no compressed air into dryer inlet after desiccant regeneration.
- Dehumidification time can be extended regarding to load.

## Specifications

Model	Flow Capacity (Nm <sup>3</sup> /hr)	In/out port (Flange)	Gel/2Tower (kg)	Weight (kg)
KDNP-1100	1950	3"(F)	858	2500
KDNP-1550	2952	4"(F)	1388	3000
KDNP-2100	3702	5"(F)	1640	4100
KDNP-3000	5400	6"(F)	2376	5500
KDNP-4100	6600	6"(F)	2510	7500
KDNP-5400	9498	8"(F)	3100	10800
KDNP-6000	10500	8"(F)	4590	12500
KDNP-7000	12000	8"(F)	5264	13800
KDNP-9000	15000	10"(F)	6580	17100

# KDH-C series

After Cooler

## How to Order

**KDH-C - 110**

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②

① Series

KDH-C : After cooler

② Body size

1C, 2C, 3C, 4C, 5C, 6C, 7C, 8C, 9C, 10C, 11C, 12C



- After Cooler is essential refrigeration support unit installed in front of air dryer to cool hot and humid air for high efficiency without malfunction.
- Easy installment and maintenance without cooling water.
- Minimized noise for calm operation.

## Specifications

Model	Flow Capacity (Nm <sup>3</sup> /hr)		In/out port Rc(PT)	Max. pressure (kg/cm <sup>2</sup> )	Inlet Temp (°C)	Ambient temp. (°C)	Fan (Ø)	Fan motor (W)	Electricity	Weight (kg)
	60Hz	50Hz								
KDH-1C	2.2	2.0	3/4"(S)	9.9kg/cm <sup>2</sup> (0.99MPa)	80 °C ↓	38 °C ↓	250	16	AC 1Ph 220V 60Hz	23
KDH-2C	3.3	3.0	1"(S)				300	66	AC 1Ph 220V 60Hz	25
KDH-3C	5.2	4.7	1 1/2"(S)				350	100	AC 3Ph 380V/440V option	35
KDH-4C	8.0	7.3	2"				350	100×2	AC 3Ph 220V/380V 60Hz	69
KDH-5C	13.5	12.3	2 1/2"(F)				350X2	200×2		83
KDH-6C	17.5	15.9	3"(F)				400X2	0.2×2		100
KDH-7C	30	27.4	4"(F)				500X2	0.4×2		159
KDH-8C	41	37.4	4"(F)				550X2	0.4×2		180
KDH-9C	52	47.5	5"(F)				650X2	0.75×2		240
KDH-10C	80	73	5"(F)				500X4	0.4×2		280
KDH-11C	125	114	6"(F)				600X4	0.4×2		350
KDH-12C	155	142	8"(F)				650X4	0.75×2		420

\* In/out port : (S) : Screw type, (F) Flange type

\* Flow capacity are based on 7.0kgf/cm<sup>2</sup>(0.7MPa) of inlet pressure, 38 °C of inlet temperature, 30~45 °C of ambient temperature, and 30 °C(ΔP 8 °C) of outlet temperature.

Chiller

## How to Order

**KDRC - 1A**

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②

① Series

KDRC : Chiller

② Body size

1A, 2A, 3A, 5A, 7.5A, 10A, 15A, 20A, 30A, 40A



- High efficient and less noisy compressor provides high quality refrigerated operation. Digital temperature controller provides accurate temperature maintenance and wide operated temperature control. Interlocker for protecting short circuit breaker provide malfunction prevention and high reliability.

## Specifications

Model	Cooling capacity (Kcal/hr)	Temperature range (°C)	Ambient temp. range (°C)	Cooling water Pressure range kg/cm <sup>2</sup> (MPa)	COMP capacity (kw)	Circulation pump capacity (Kw)
KDRC-1A	2,800	5~30 (Variation: ±2°C)	0~45	1.0~2.5(0.1~0.25)	0.75	0.35
KDRC-2A	5,600			1.5~3.5(0.15~0.35)	1.5	0.75
KDRC-3A	8,400			1.5~3.5(0.15~0.35)	2.25	0.75
KDRC-5A	14,000			3.0~6.0(0.3~0.6)	3.75	1.1
KDRC-7.5A	21,000			1.0~2.5(0.1~0.25)	5.63	1.1
KDRC-10A	28,000			1.5~3.5(0.15~0.35)	7.5	1.1
KDRC-15A	42,000			2.5~4.0(0.25~0.4)	11.25	2.2
KDRC-20A	56,000			3.0~5.0(0.3~0.5)	15	3
KDRC-30A	84,000			2.0~3.5(0.2~0.35)	22.5	4
KDRC-40A	112,000			3.5~5.5(0.35~0.55)	30	5.5

\* The above Specifications are subject to change and may vary on production specifications.

\* Classification of models : ex) KDRC-1A=Integrated air-cooled type, KDRC-1W= Integrated water-cooled type, KDRC-1S=Air-cooled separate type.

\* Cooling capability are based on 5~30°C of temperature range, 0~45°C of ambient temperature, 7kgf/cm<sup>2</sup>(0.7MPa) of standard pressure and -50°C of dew point below atmosphere pressure.

\* Specifications are based on refrigerant R-200 .

# SEPREMIUM series

Oil-Water Separator

## How to Order

**SEPREMIUM - 10**

①

②

① Series

SEPREMIUM : Oil-water separator

② Capacity(m<sup>3</sup>/min)

10, 20, 30



## Specifications

Model	Capacity (m <sup>3</sup> /min)	Connection		Dimension(mm)		
		In	Out	L	W	H
SEPREMIUM-10	10	1/2"	1"	650	240	750
SEPREMIUM-20	20	1/2"	1"	780	305	900
SEPREMIUM-30	30	1/2"	1"	970	380	900

Indicator



In/out port



- Oil-water separator is designed for efficient removal oil by high performed separation of mass moisture and oil in compressed air.
- Easy installment.
- Easy maintenance and repair.
- Condensed water discharging by intelligent drain.

## Receiver Tank



- As the air discharged from the compressor has a certain wavelength, a service tank should be installed at the outlet in order to supply air at a constant pressure without pulsation.
- The capacity of tank is decided by the usage and capacity of compressor, working pressure and etc.
- Tanks should be produced in accordance with the Occupational Safety and Health Act. Therefore, only the tanks which inspected and approved by Korea Occupational Safety and Health Agency can be used.

## How to Order

**KDRT - 500**

①

②

① Series

KDRT : Receiver tank

② Body size

500, 800, 1000, 1500, 2000, 3000,  
5000, 8000, 10K, 20K, 30K, 56K

## Specifications

Model	Flow Capacity (m <sup>3</sup> )	In/out port	Dimension(mm)		Weight (kg)
			Diameter	Height	
KDRT-500-A	0.5	PT 50A	660	1733	184
KDRT-800-A	0.8	PT 50A	760	2088	306
KDRT-1000-A	1.0	PT 50A	850	2132	392
KDRT-1500-A	1.5	PT 50A	946	2486	521
KDRT-2000-A	2.0	FL 80A	1110	2567	764
KDRT-3000-A	3.0	FL 80A	1310	2666	993
KDRT-5000-A	5.0	FL 100A	1485	3361	1628
KDRT-8000-A	8.0	FL 125A	1845	3539	2528
KDRT-10K	10.0	FL 150A	2025	3648	3020
KDRT-20K	20.0	FL 200A	2400	5200	5500
KDRT-30K	30.0	FL 250A	2800	5950	6500
KDRT-56K	56.0	FL 350A	2620	11232	19000

- \* Model above are based on 9.9kgf/cm<sup>2</sup>(0.99MPa) of working pressure.
- \* Contact us for other specifications.

# KDHAD series

## Auto Trap



KDHAD-300



KDHAD-125

## How to Order

**KDHAD - 125**

①

②

① Series

KDHAD : Auto trap

② Body size

125, 300

## Specifications

Model	In/Out port	Operating pressure kgf/cm <sup>2</sup> (MPa)	Max. Pressure kgf/cm <sup>2</sup> (MPa)	Inlet Temp °C
KDHAD-125	Rc(PT)1/2"	1.5~9.9(0.15~0.99)	13(1.3)	60
KDHAD-300	M30	1.5~9.9(0.15~0.99)	13(1.3)	60

- Automatically discharge the condensate of compressed air from air compressor, receiver tank, after cooler, air dryer and etc.

# EZ-1 series

# AIR DRYER

Electrical Trap(Timer Valve)



- Easy to install
- Large orifice (4.0mm) to prevent blockage.
- Use FPM (Viton) seal.
- Valve port size: 1/2" BSP or NPT
- Standard operating pressure 0 - 16 bar

## Specifications

### Timer

Operating interval	0.5-45 min, Adjustable
Valve open time	0.5-10 sec, Adjustable
Manual switch	Micro switch
Supply voltage	230 VAC/DC, 50/60Hz
Current consumption	Max. 7mA
Operation temp.	-40°C~60°C (-40°F~140°F)
Protect class	IP 65
Material	ABS plastic FR grade UL94Vo
Connection	DIN 43650A ISO 440/6952
Display	1 LED (Yellow) Display ON
	1 LED (Yellow) Display OFF
Allowable voltage	± 10%

### Valve

Operation	2/2 WAY Direct acting
IN/OUT port	1/2" BSP
Operating pressure	0~16.3kgf/cm <sup>2</sup> (0~1.63MPa)
Ambient temp.	2°C-55°C
Seal material	FPM (Viton)
Fluid temp.	Max. 90° C (194° F)
Material	Brass
Insulation class	Grade F.
Protect class	IP 65
Orifice	4.0 mm
Voltage	230VAC 50/60 Hz
Allowable voltage	±10%

# KDXF series

High Performance Air Filter

## How to Order

**KDXF** 320

①                      ②                      ③

### ① Series

KDXF : High performance air filter

### ② Type

- 370 : Main Filter(20 $\mu$ m)
- 320 : Pre Filter(3 $\mu$ m)
- 310 : Line Filter(1 $\mu$ m)
- 130 : Coalescent Filter(0.01 $\mu$ m)
- 150 : Adsorbent Filter(0.01ppm)

### ③ In/out port

15A	1/2	100A	4
20A	3/4	125A	5
25A	1	150A	6
40A	1 1/2	200A	8
50A	2	250A	10
65A	2 1/2	300A	12
80A	3		



- KCC Air Filters can remove particles and moisture. Air filters with HEPA element have high efficiency against minute, blazed and carbonized particles from air compressor. Stainless made screen solves corrosion problem and gives long service life.

## Specifications

Model	In/out port Rc(PT)	Flow Capacity (Nm <sup>3</sup> /min)					Weight (kg)
		Main Filter	Pre Filter	Line Filter	Coalescent Filter	Adsorbent Filter	
		370(20 $\mu$ m)	320(3 $\mu$ m)	310(1 $\mu$ m)	130(0.01 $\mu$ m)	150(0.01ppm)	
KDXF-15A	1/2" (S)	2.2	1.8	1.2	1.0	1.0	1.25
KDXF-20A	3/4" (S)	5.7	3.5	2.8	1.9	1.9	3.5
KDXF-25A	1" (S)	8.0	5.7	5.0	3.4	3.4	4.5
KDXF-40A	1 1/2" (S)	17.0	14.0	11.0	10.0	10.0	13.7
KDXF-50A	2" (S)	29.0	25.0	22.0	14.0	14.0	21
KDXF-65A	2 1/2" (F)	58.0	50.0	48.0	28.0	28.0	85
KDXF-80A	3" (F)	88.0	75.0	72.0	42.0	42.0	95
KDXF-100A	4" (F)	145.0	125.0	110.0	70.0	70.0	125
KDXF-125A	5" (F)	174.0	150.0	132.0	84.0	84.0	140
KDXF-150A	6" (F)	282.0	221.0	176.0	112.0	112.0	250
KDXF-200A	8" (F)	447.0	331.0	308.0	196.0	196.0	340
KDXF-250A	10" (F)	733.0	555.0	528.0	336.0	336.0	400
KDXF-300A	12" (F)	1103.0	850.0	792.0	504.0	504.0	450

\* In/out port : (S) : Screw type, (F) Flange type

# KDXE series

High Performance Filter Element

## Specifications



KDXE370 KDXE320    KDXE310    KDXE130    KDXE150

Model	Main Pre	Line	Coalescent	Adsorbent
	KDXE-370, 320	KDXE-310	KDXE-130	KDXE-150
Maintainance	Clean with neutral cleanser	Change cartridge	Change cartridge	Change cartridge
Filtering	Totally remove solid substance above 20 $\mu$ m.	Totally remove solid substance above 1 $\mu$ m.	Totally remove solid substance above 0.1 $\mu$ m.	Totally remove solid substance above 0.01 $\mu$ m.
Material	Sintered resin	Hepa	Hepa / Polyester	Hepa / Polyester / Active Carbon paper
Service	Condensated water, oil, rust and 20 $\mu$ m and over size particle	Air tool and instrument	Spray paint & oil mist 99% removal. Passing scent	Oil mist. High quality electrical appliance, semiconductor process and pharmaceutical factory