AIRMUSEN
Compressed Air Treatment

Guangdong EMUSEN Compressor Technology Co., Ltd.

PRODUCT BROCHURE

AIRMUSEN
Compressed Air Treatment

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Compressed Air Treatment
Committed to providing high-quality compressed air solutions

Guangdong EMUSEN Compressor Technology Co., Ltd. is mainly engaged in the research and development, production and sales of compressed air post-processing equipment, and is committed to providing compressor users with sustainable and energy-saving compressed air drying and purification solutions. We take "caring for the forest, pure air and pure nature" as our tenet, and in accordance with high quality and high craftsmanship requirements, we help our customers achieve the goal of sustainable development, and continue to make breakthroughs and self-growth in the complex and ever-changing market.

Committed to energy conservation, environmental protection, technology development, and protection of the earth

Become a top high-quality compressed air solution provider

Pragmatic, responsible, hard-working, and collaborative

Plate-fin Heat Exchanger BS Series Energy Storage Type Refrigerated Dryer

Core advantages, one-touch handling

1. BS series is suitable for working pressure of 1.0 MPa;
2. Stainless steel or aluminum alloy material, more cleaner and more durable for compressed air pipeline;
3. High-temperature design, easy to cope with high-temperature conditions;
4. With high-quality three-in-one combined ultra-precision filter, it has efficient oil removal effect and is more convenient;

Selection description

Inlet air temperature: ≤ 60℃
Ambient temperature: ≤ 38℃
Working pressure: ≤ 1.0Mpa
Pressure dew point: 3 ~ 8℃
Cryogen: R134a/R22
Cooling mode: air cooling

Technical parameters

型号 Models	空气处理量 (Nm³/min)	压缩机功率 (HP)	电源 (V/Hz)	接管口径 (DN)	外形尺寸(mm)		
					长(L)	宽(W)	高(H)
EAD-1BS	1.8	0.7	220/50	RC1″	550	260	610
EAD-2BS	2.4	0.9	220/50	RC1″	700	360	660
EAD-3BS	3.6	1.2	220/50	RC1″	700	360	660
EAD-6BS	6.5	2.2	220/50	RC1 1/2″	860	580	1050
EAD-10BS	10.7	3.0	220/50	RC2″	990	580	1100
EAD-13BS	13.8	3.5	380/50	RC2″	1300	600	1170
EAD-15BS	17	3.8	380/50	DN65	1300	630	1320
EAD-20BS	23	5	380/50	DN80	1450	630	1320
EAD-25BS	28	6.3	380/50	DN80	1450	700	1370
EAD-30BS	35	7.5	380/50	DN80	1550	700	1450
EAD-40BS	45	10	380/50	DN100	1550	800	1450
EAD-50BS	55	12.5	380/50	DN125	1700	850	1650

Plate-fin Heat Exchanger BF Series Energy Storage Type Refrigerated Dryer

Core advantages, one-touch handling

1. BF series is suitable for 1.6 MPa and is specially designed for laser cutting;
2. Stainless steel or aluminum alloy material, more cleaner and more durable for compressed air pipeline;
3. High-temperature design, easy to cope with high-temperature conditions;
4. With high-quality 4-group ultra-high efficiency precision filter, it has efficient oil removal effect. The installation of combined integrated type refrigerated dryer is convenient and quick.

Selection description

Inlet air temperature: ≤ 60℃
Ambient temperature: ≤ 38℃
Working pressure: ≤ 1.6 Mpa
Pressure dew point: 3 ~ 8℃
Cryogen: R134a/R22
Cooling mode: air cooling

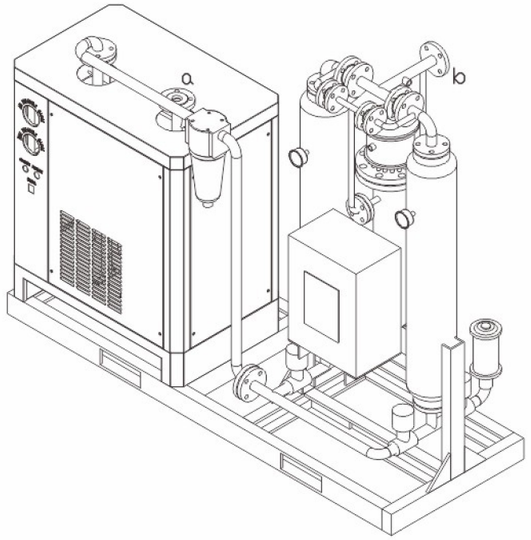
Technical parameters

型号 Models	空气处理量 (Nm³/min)	压缩机功率 (HP)	电源 (V/Hz)	接管口径 (DN)	外形尺寸(mm)		
					长(L)	宽(W)	高(H)
EAD-1BF	1.8	0.4	220/50	RC1″	550	260	610
EAD-2BF	2.4	0.8	220/50	RC1″	550	360	660
EAD-3BF	3.6	1.2	220/50	RC1″	550	360	660
EAD-6BF	6.5	2.2	220/50	RC1-1/2″	860	580	1050
EAD-10BF	10.8	3.0	220/50	RC2″	990	580	1100

Plate-fin Heat Exchanger ZH Series Energy Storage Type Refrigerated Dryer

Core advantages, one-touch handling

1. ZH series is suitable for 1.6 MPa and is specially designed for laser cutting;
2. Stainless steel or aluminum alloy material, more cleaner and more durable for compressed air pipeline;
3. With high-quality three-in-one combined ultra-precision filter, it has efficient oil removal effect and is more convenient;



Selection description

Inlet air temperature: ≤ 60℃
Ambient temperature: ≤ 38℃
Operating pressure: ≤ 1.6 MPa
Pressure dew point: -20 ~ -40℃
Cryogen: R134a/R22
Cooling mode: air cooling

Technical parameters

型号 Models	空气处理量 (Nm³/min)	压缩机功率 (HP)	电源 (V/Hz)	接管口径 (DN)	外形尺寸(mm)		
					长(L)	宽(W)	高(H)
EAD-1ZH	1.8	0.7	220/50	RC1″	1600	590	1440
EAD-2ZH	2.4	0.9	220/50	RC1″	1600	590	1740
EAD-3ZH	3.6	1.2	220/50	RC1″	818	1250	1670
EAD-6ZH	6.5	2.2	220/50	RC1-1/2″	1000	1400	1940
EAD-10ZH	10.8	3.0	220/50	RC2″	1250	1400	1880

Air-cooled Series Refrigeration Dryer

Working principle

Heat exchange is performed between refrigerant and compressed air to reduce the temperature of compressed air to the range of pressure dew point of 2-10 °C. Cooling of compressed air saturates and precipitates the water in the compressed air, and then the condensate is removed through the automatic discharge device, so as to achieve the purpose of drying the compressed air. With the continuous development of industry, dryers are more and more widely used in all walks of life, and play an important role in the quality compressed air industry.

1. Refrigerated dryers are divided into two forms according to the cooling mode: air-cooled type and water-cooled type
2. Per inlet temperature: normal temperature type (about 45 °C) and high temperature type (below 80 °C)
3. Per working pressure: low pressure (0.3-1.0MPa) and medium high pressure (above 1.2Mpa)

Normal Temperature Type Refrigerant Dryer

Operating condition

Inlet pressure: 0.6 ~ 1.0MPa
Ambient pressure: 0.7MPa
Air inlet temperature: ≤ 45 °C
Pressure dew point: 3 ~ 1 (TC
Ambient temperature: ≤ 45℃
Rated ambient temperature: 38 °C
Cooling mode: air cooling
Cryogen: R22 (R407C, R410, R134a customized)
Installation mode: Indoor installation without foundation, flat cement floor, no less than 1.5 m around the dryer, keep it ventilated.

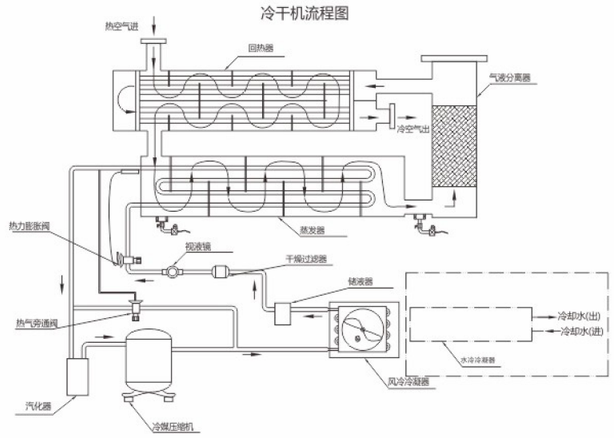
Technical parameters

型号 Models	空气处理量 (Nm³/min)	压缩机功率 (HP)	电源 (V/Hz)	接管口径 (DN)	外形尺寸(mm)			压力容器证书
					长(L)	宽(W)	高(H)	
EAD-1NA	1.8	0.5	220/50	RC1″	700	520	730	/
EAD-2NA	2.6	1.0	220/50	RC1″	700	520	730	/
EAD-3NA	3.8	1.2	220/50	RC1″	800	520	809	/
EAD-6NA	6.5	2.2	220/50	RC1-1/2″	1000	650	960	/
EAD-10NA	10.7	3.0	220/50	RC2″	1250	650	1030	/
EAD-13NA	13.8	3.5	380/50	RC2″	1250	650	1030	/
EAD-15NA	17	3.8	380/50	DN65	1250	650	1030	/
EAD-20NA	23	5	380/50	DN80	1830	760	1696	含证书
EAD-25NA	27	6.3	380/50	DN80	1830	760	1696	含证书
EAD-30NA	33	7.5	380/50	DN80	1850	960	1900	含证书
EAD-40NA	45	10	380/50	DN100	2180	960	1930	含证书
EAD-50NA	55	12.5	380/50	DN125	2300	1060	1990	含证书
EAD-60NA	65	15	380/50	DN125	2450	1250	2300	含证书
EAD-80NA	85	20	380/50	DN125	2460	1200	2231	含证书
EAD-100NA	100	25	380/50	DN150	3060	1170	1880	含证书

High Temperature Type Air Cooled Refrigerant Dryer

Operating condition

Operating condition
Inlet pressure: 0.6 ~ 1.0MPa
Ambient pressure: 0.7MPa
Air inlet temperature: ≤ 80℃
Pressure dew point: 2 ~ 101
Ambient temperature: ≤ 45℃
Rated ambient temperature: 38 °C
Cooling mode: air cooling
Cryogen: R22 (R407C, R410, R134a customized)
Installation mode: Indoor installation without foundation, flat cement floor, no less than 1.5 m around the dryer, keep it



Technical parameters

型号 Models	空气处理量 (Nm³/min)	压缩机功率 (HP)	电源 (V/Hz)	接管口径 (DN)	外形尺寸(mm)			重量 (kg)
					长(L)	宽(W)	高(H)	
EAD-1HA	1.2	0.5	220/50	RC1″	750	480	880	90
EAD-2HA	2.4	1.0	220/50	RC1″	750	480	880	95
EAD-3HA	3.8	1.2	220/50	RC1″	980	480	930	150
EAD-6HA	6.8	2	220/50	RC1-1/2″	1100	580	1080	250
EAD-10HA	11	3	220/50	RC2″	1250	600	1190	320
EAD-13HA	13.8	3.5	220/50	RC2″	1250	600	1190	330
EAD-15HA	17	3.8	380/50	DN65	1400	700	1389	360
EAD-20HA	23	5	380/50	DN80	1830	760	1696	450
EAD-25HA	27	6.3	380/50	DN80	1850	960	1900	580
EAD-30HA	33	7.5	380/50	DN80	2180	960	1930	770
EAD-40HA	45	10	380/50	DN100	2300	1060	1990	980
EAD-50HA	55	12.5	380/50	DN125	2450	1250	2300	1100
EAD-60HA	65	15	380/50	DN125	2460	1200	2231	1650
EAD-80HA	85	20	380/50	DN125	3060	1170	1880	1900

Water-cooled Refrigerated Dryer

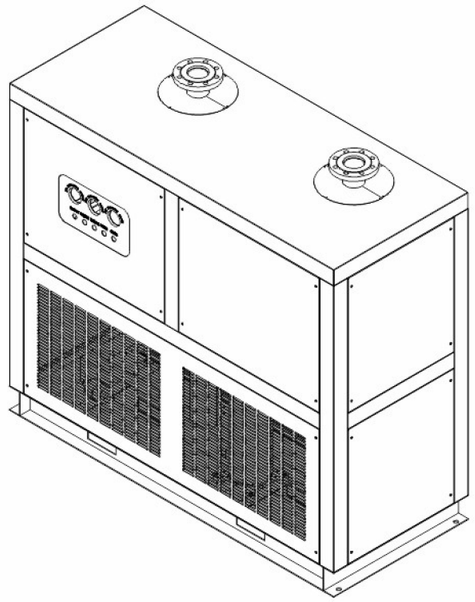
Working principle

The circulating water in the blister is cooled by the refrigerant compressor pipeline system, the temperature of the compressed air is reduced to the pressure dew point range of 2-10 °C through the cooling water, the compressed air is cooled to saturate and precipitate the water in the compressed air, and then the condensate is removed through the automatic discharge device, so as to achieve the purpose of drying the compressed air. With the continuous development of industry, dryers are more and more widely used in all walks of life, and play an important role in the quality compressed air industry.

Normal Temperature Type Water Cooled Refrigeranted Dryer

Operating condition

Inlet pressure: 0.6 ~ 1.0MPa
Ambient pressure: 0.7MPa
Air inlet temperature: ≤ 45℃
Pressure dew point: 3 ~ 101
Ambient temperature: ≤ 45℃
Cooling water temperature: ≤ 32 °C
Cooling mode: water cooling
Cryogen: R22 (R407C, R410, R134a customized)
Installation mode: Indoor installation without foundation, flat cement floor, no less than 1.5 m around the dryer, keep it ventilated.



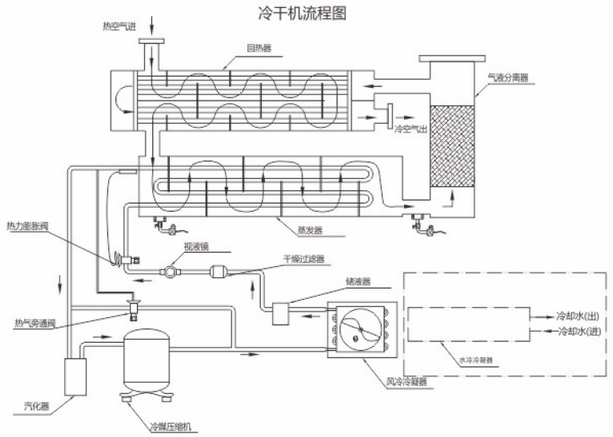
Technical parameters

型号 Models	空气处理量 (Nm^3/min)	压缩机功率 (HP)	电源 (V/Hz)	接管口径 (DN)	外形尺寸(mm)			重量 (kg)
					长(L)	宽(W)	高(H)	
EAD-15NW	17	3.8	380/50	DN65	1250	650	1030	280
EAD-20NW	23	5	380/50	DN80	1830	760	1600	450
EAD-25NW	27	6.3	380/50	DN80	1830	760	1600	480
EAD-30NW	33	7.5	380/50	DN80	1850	960	1900	580
EAD-40NW	45	10	380/50	DN100	2160	960	1874	770
EAD-50NW	55	12.5	380/50	DN125	2300	1060	1990	980
EAD-60NW	65	15	380/50	DN125	2450	1250	2300	1100
EAD-80NW	85	20	380/50	DN125	2460	1200	2231	1650
EAD-100NW	110	25	380/50	DN150	3060	1170	1880	1900
EAD-120NW	120	30	380/50	DN150	2980	1160	2020	2460
EAD-150NW	150	37.5	380/50	DN200	2980	1460	2200	2770
EAD-200NW	200	50	380/50	DN200	3550	1725	2380	3200
EAD-250NW	250	62.5	380/50	DN200	3800	1850	2400	3500
EAD-300NW	300	75	380/50	DN250	4000	1980	2580	3900
EAD-400NW	400	100	380/50	DN300	4350	2150	2670	4500
EAD-500NW	500	125	380/50	DN400	4760	2380	2730	5100

High Temperature Type Water Cooled Refrigeranted Dryer

Operating condition

Inlet pressure: 0.6 ~ 1.0MPa
Rated pressure: 0.7MPa
Air inlet temperature: ≤ 80℃
Pressure dew point: 2 ~ 10℃
Ambient temperature: ≤ 45℃
Cooling water temperature: ≤ 32 °C
Cooling mode: water cooling
Cryogen: R22 (R407C, R410, R134a customized)
Installation mode: Indoor installation without foundation, flat cement floor, no less than 1.5 m around the dryer, keep it ventilated.



Technical parameters

型号 Models	空气处理量 (Nm³/min)	压缩机功率 (HP)	电源 (V/Hz)	接管口径 (DN)	外形尺寸(mm)			重量 (kg)
					长(L)	宽(W)	高(H)	
EAD-15HW	17	3.8	380/50	DN65	1400	700	1389	340
EAD-20HW	23	6.3	380/50	DN80	1830	760	1600	480
EAD-25HW	27	7.5	380/50	DN80	1850	960	1900	580
EAD-30HW	33	10	380/50	DN80	2160	960	1874	770
EAD-40HW	45	12.5	380/50	DN100	2300	1060	1990	980
EAD-50HW	55	15	380/50	DN125	2450	1250	2300	1100
EAD-60HW	65	20	380/50	DN125	2460	1200	2231	1650
EAD-80HW	85	25	380/50	DN125	3060	1170	1880	1900
EAD-100HW	110	30	380/50	DN150	2980	1160	2020	2460
EAD-125HW	130	37.5	380/50	DN150	2980	1460	2200	2770
EAD-150HW	150	50	380/50	DN200	3550	1725	2380	3200
EAD-200HW	200	62.5	380/50	DN200	3800	1850	2400	3500
EAD-250HW	250	75	380/50	DN200	4000	1980	2580	3900
EAD-300HW	300	100	380/50	DN250	4350	2150	2670	4500
EAD-400HW	400	125	380/50	DN300	4760	2380	2730	5100

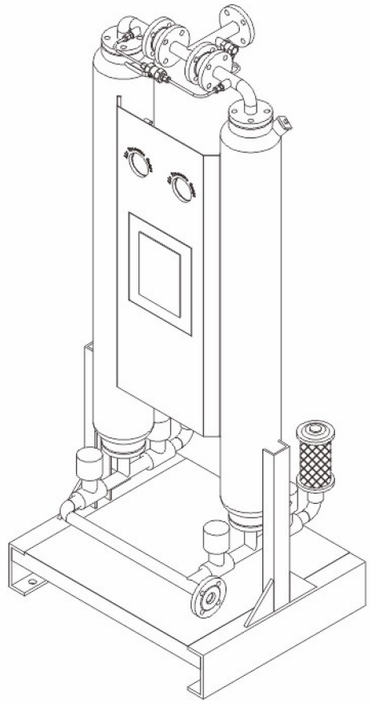
Adsorption Dryer

Working principle

Adsorption dryer achieves the effect of drying through the pressure change. Since the ability of air to contain water vapor is inversely proportional to the pressure, a part of the air after drying expands to atmospheric pressure under reduced pressure. This pressure change makes the expanded air dry, and then allows it to flow through the regenerated dryer layer (i.e., the drying tower that has absorbed enough water vapor) that is not connected to the air flow. The dried regenerated gas absorbs the water in the desiccant and brings it out of the dryer to achieve the purpose of dehumidification. The two towers circulate and continuously provide clean dried compressed air for the user.

Product performance
1. High-quality adsorbent, stable dew point, 3.0 mm diameter, active surface area, high strength and good water resistance;
2. High reliability design, stable and reliable performance, very little maintenance, layered dense filling process, small risk of adsorbent wear, long life, reliable dew point, and small risk of leakage of valves by using well-known brands;
3. Advanced control and monitoring system with less maintenance;
4. Fully intelligent control, strong parameter recording function can achieve the whole process of accurate control;
5. Options
① Dew point display/control;
② PLC control/ModBus/ProfiBus interface

Heatless Regenerative Adsorption Dryer



Operating condition

Air inlet temperature: ≤ 45 °C
Air inlet pressure: 0.6 ~ 1.0MPa
Inlet oil content: ≤ 0.1ppm
Pressure dew point: -20℃ ~ -40℃
Average gas consumption: ≤ 15%
Pressure dew point: -40 °C/-70 °C customized

Technical parameters

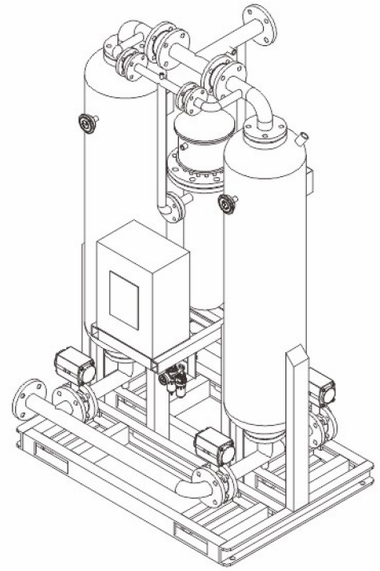
型号 Models	空气处理量 (Nm³/min)	电源 (V/Hz)	接管口径 (DN)	外形尺寸(mm)			重量 (kg)
				长(L)	宽(W)	高(H)	
EAD-1EC	1.2	220/50	DN25	720	600	1477	130
EAD-2EC	2.4	220/50	DN25	720	600	1792	180
EAD-3EC	3.8	220/50	DN25	818	600	1674	260
EAD-6EC	6.5	220/50	DN40	1049	750	1849	390
EAD-8EC	8.5	220/50	DN50	1140	800	1943	520
EAD-10EC	10.7	220/50	DN50	1240	900	1878	590
EAD-12EC	13	220/50	DN50	1240	900	2078	620
EAD-15EC	17	220/50	DN65	1462	1000	1890	900
EAD-20EC	23	220/50	DN80	1462	1000	2190	980
EAD-25EC	27	220/50	DN80	1514	1000	2148	1120
EAD-30EC	33	220/50	DN80	1705	1000	2192	1280
EAD-40EC	43	220/50	DN100	1866	1000	2420	1600
EAD-50EC	55	220/50	DN125	2116	1200	2515	2230
EAD-60EC	65	220/50	DN125	2116	1200	2715	2540
EAD-80EC	85	220/50	DN125	2226	1200	2740	2700
EAD-100EC	100	220/50	DN150	2500	1400	2930	3280

Correction factor

进气压力 (Mpa)	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1
系数k	0.5	0.63	0.75	0.88	1	1.12	1.25	1.38	1.5

Note: The air flow rate under different operating conditions can be obtained by multiplying the nominal flow rate and correction factor in the model selection specification table. The actual treatment volume of dryer = rated treatment volume * K

Heated Regenerative Adsorption Dryer



Operating condition

Operating condition
Air inlet temperature: ≤ 45℃
Air inlet pressure: 0.6 ~ 1.0MPa
Inlet oil content: ≤ 0.1ppm
Pressure dew point: -20℃ ~ -40℃
Average gas consumption: ≤ 7%
Pressure dew point: -40 °C/-70 °C customized

Technical parameters

型号 Models	空气处理量 (Nm³/min)	电源 (V/Hz)	加热功率 (KW)	接管口径 (DN)	外形尺寸(mm)			重量 (kg)
					长(L)	宽(W)	高(H)	
EAD-1EH	1.2	220/50	1.6	DN25	720	600	1477	170
EAD-2EH	2.4	220/50	2.0	DN25	720	600	1792	230
EAD-3EH	3.8	220/50	2.4	DN25	818	600	1674	320
EAD-6EH	6.5	380/50	3	DN40	1049	750	1849	500
EAD-8EH	8.5	380/50	3.6	DN50	1140	800	1943	630
EAD-10EH	10.7	380/50	3.9	DN50	1190	900	1808	700
EAD-12EH	13	380/50	4.5	DN50	1240	900	2078	760
EAD-15EH	17	380/50	5.4	DN65	1462	1000	1890	980
EAD-20EH	23	380/50	6.6	DN80	1462	1000	2190	1130
EAD-25EH	27	380/50	7.2	DN80	1514	1000	2148	1250
EAD-30EH	33	380/50	9.6	DN80	1705	1000	2192	1430
EAD-40EH	43	380/50	11.7	DN100	1866	1000	2420	1780
EAD-50EH	55	380/50	14.4	DN125	2116	1200	2515	2260
EAD-60EH	65	380/50	18.6	DN125	2116	1200	2715	2400
EAD-80EH	85	380/50	22.8	DN125	2226	1200	2740	3000
EAD-100EH	100	380/50	30	DN150	2500	1400	2930	3600
EAD-120EH	120	380/50	40	DN150	2500	1400	3100	4200
EAD-150EH	150	380/50	50	DN200	2900	1800	2900	5000
EAD-180EH	180	380/50	68	DN200	2900	1800	3100	5700
EAD-200EH	200	380/50	100	DN200	3200	2100	3000	6200
EAD-250EH	250	380/50	145	DN200	3600	2500	3000	7500

Correction factor

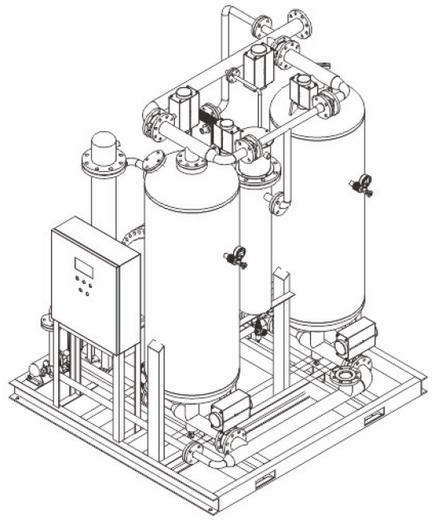
进气压力 (Mpa)	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1
系数k	0.5	0.63	0.75	0.88	1	1.12	1.25	1.38	1.5

Note: The air flow rate under different operating conditions can be obtained by multiplying the nominal flow rate and correction factor in the model selection specification table. The actual treatment volume of dryer = rated treatment volume * K

Compression Heated Air Consumption Regenerative Adsorption Dryer

Operating condition

Working pressure: 0.6 ~ 1.0Mpa
Inlet temperature: 90℃ ~ 130℃
Cooling water temperature: ≤ 32 ℃
Cooling water pressure: 0.2∽ 0.4Mpa
Regeneration gas consumption: ≤ 1%
Oil content of air inflow: ≤ 0.1 mg/m3
Pressure dew point: 0℃ ~ -40℃
Power supply: 220V/50Hz



Product performance

1. The working cycle of this product is 4 hours. PLC or single-chip microcomputer control system is used to ensure the operation of the product stably and reliably. A variety of control options, optional platform, Siemens, ABB and other brands of PLC can meet the communication requirements of users from 485, Prifibus, Modbus to Ethernet connection;
2. It uses the exhaust temperature of air compressor to regenerate the adsorbent, and the regenerated gas volume is less than 1%, which greatly reduces the consumption of finished gas and saves the electrical energy;
3. It adopts condensate collector to make the ice more thorough and better prevent the blockage of electric discharge;
4. According to customer requirements, in the case of inlet air temperature less than 110 degrees, the regeneration heater can be increased to supplement the adsorption heat required for regeneration;
5. The use of diffusion plate and stainless steel wire mesh filtration shunt reduces the problem of channel flow phenomenon and adsorbent bubble water.
6. Large size tower design reduces pressure loss;
7. Reliable heat-resistant valves ensure the stable operation of the equipment.

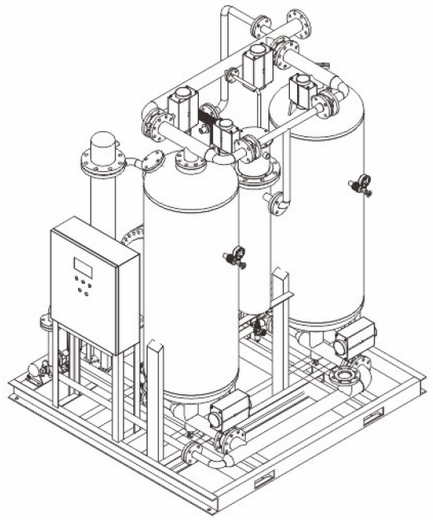
Technical parameters

型号 Models	空气处理量 (Nm³/min)	冷却水量 (t/h)	接管口径 (DN)	外形尺寸(mm) 长(L)×宽(W)×高(H)	重量 (kg)
EAD-40YR	40	15	100	2600×1800×2700	3200
EAD-50YR	50	18	125	2700×2000×2800	4500
EAD-60YR	60	22	125	2700×2000×2950	5200
EAD-80YR	80	30	125	3000×2300×3100	6150
EAD-100YR	100	36	150	3200×2500×3150	7100
EAD-120YR	120	45	150	3600×2700×3150	8300
EAD-150YR	150	56	200	4100×2850×3250	10000
EAD-200YR	200	74	200	4580×3100×3500	14200
EAD-250YR	250	88	250	4890×3300×3850	17000
EAD-300YR	300	102	300	5700×3800×4000	20700

Compression Heated no Air Consumption Regenerative Adsorption Dryer

Operating condition

Working pressure: 0.6 ~ 1.0Mpa
Inlet temperature: 90℃ ~ 130℃
Cooling water temperature: ≤ 32 ℃
Cooling water pressure: 0.2 ~ 0.4Mpa
Regeneration gas consumption: 0%
Oil content of air inflow: ≤ 0.1 mg/m3
Pressure dew point: 0℃ ~ -40℃
Power supply: 220V/50Hz



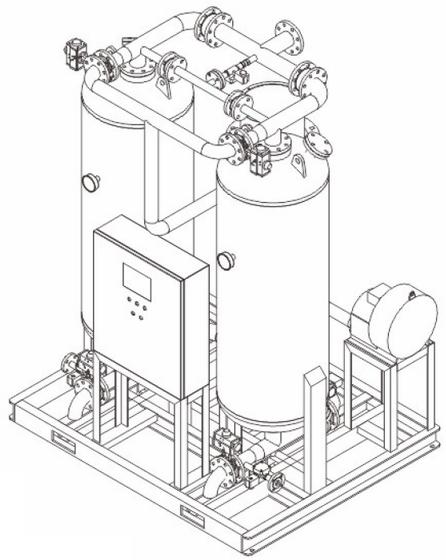
Product performance

1. The working cycle of this product is 4 hours. PLC or single-chip microcomputer control system is used to ensure the operation of the product stably and reliably. A variety of control options, optional platform, Siemens, ABB and other brands of PLC can meet the communication requirements of users from 485, Prifibus, Modbus to Ethernet connection;
2. It uses the exhaust temperature of air compressor to regenerate the adsorbent, and the regenerated gas volume is less than 1%, which saves the electrical energy;
3. It adopts condensate collector to make the ice more thorough and better prevent the blockage of electric discharge;
4. According to customer requirements, in the case of inlet air temperature less than 110 degrees, the regeneration heater can be increased to supplement the adsorption heat required for regeneration;
5. The use of diffusion plate and stainless steel wire mesh filtration shunt reduces the problem of channel flow phenomenon and adsorbent bubble water.
6. Large size tower design reduces pressure loss;
7. Reliable heat-resistant valves ensure the stable operation of the equipment.

Technical parameters

型号 Models	空气处理量 (Nm³/min)	冷却水量 (t/h)	接管口径 (DN)	外形尺寸(mm) 长(L)×宽(W)×高(H)	重量 (kg)
EAD-40YRL	40	30	100	2600×1800×2700	3400
EAD-50YRL	50	35	125	2700×2000×2800	4780
EAD-60YRL	60	44	125	2700×2000×2950	5500
EAD-80YRL	80	60	125	3000×2300×3100	6500
EAD-100YRL	100	72	150	3200×2500×3150	7500
EAD-120YRL	120	90	150	3600×2700×3150	8800
EAD-150YRL	150	110	200	4100×2850×3250	10800
EAD-200YRL	200	148	200	4580×3100×3500	15200
EAD-250YRL	250	175	250	4890×3300×3850	18300
EAD-300YRL	300	203	300	5700×3800×4000	22000

Blower Heated Air Consumption Regenerative Adsorption Dryer



Operating condition

Working pressure: 0.6 ~ 1.0Mpa
Gas consumption: ≤ 2%
Working cycle: 8 hours
Inlet air temperature: ≤ 45℃
Dew point: 0 ℃ ~ -40 ℃

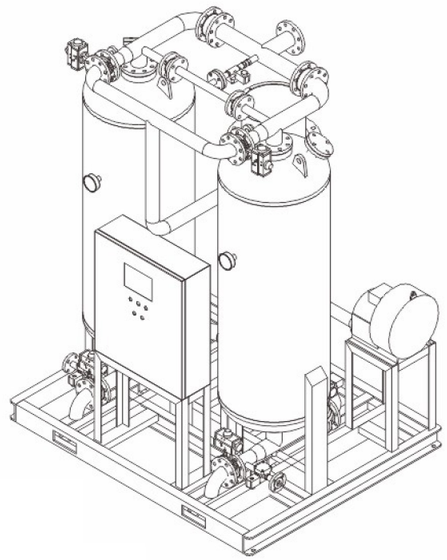
Product performance

1. Diffusion plate and screen separation are used to reduce the bubble water phenomenon of adsorbent and eliminate the channeling of gas;
2. Reliable low-noise blower ensures stable operation and low noise;
3. By adopting PLC or single-chip microcomputer control, the display control function is perfect;
4. The design of large-sized tower body reduces the pressure loss;
5. Reliable heat-resistant valves ensure the stable operation of the equipment.

Technical parameters

型号 Models	空气处理量 (Nm³/min)	电源 (V/Hz)	加热功率 (KW)	鼓风机功率 (KW)	接管口径 (DN)	外形尺寸(mm)			重量 (kg)
						长(L)	宽(W)	高(H)	
EAD-15GF	15	380/50	12	1.75	DN65	1500	1100	2480	950
EAD-20GF	20	380/50	14	2.2	DN80	1780	1200	2400	1100
EAD-25GF	25	380/50	16	2.5	DN80	1780	1200	2500	1250
EAD-30GF	30	380/50	20	2.5	DN80	1780	1200	2600	1380
EAD-40GF	40	380/50	28	3.4	DN100	2300	1350	2745	1750
EAD-50GF	50	380/50	32	7.5	DN125	2400	1500	2255	2200
EAD-60GF	60	380/50	40	7.5	DN125	2400	1500	2400	2400
EAD-80GF	80	380/50	50	7.5	DN125	2400	1500	2600	3000
EAD-100GF	100	380/50	58	13	DN150	2700	2200	2300	4000
EAD-120GF	120	380/50	70	13	DN150	2700	2200	2500	4510
EAD-150GF	150	380/50	85	13	DN200	3000	2600	2750	5300

Blower Heaed no Air Consumption Regenerative Adsorption Dryer



Operating condition

Working pressure: 0.6 ~ 1.0Mpa
Gas consumption: 0%
Working cycle: 8 hours
Inlet air temperature: ≤ 45℃
Dew point: 0 ℃ ~ -40 ℃

Product performance

1. Diffusion plate and screen separation are used to reduce the bubble water phenomenon of adsorbent and eliminate the channeling of gas;
2. Reliable low-noise blower ensures stable operation and low noise;
3. By adopting PLC or single-chip microcomputer control, the display control function is perfect;
4. The design of large-sized tower body reduces the pressure loss;
5. Reliable heat-resistant valves ensure the stable operation of the equipment.

Technical parameters

型号 Models	空气处理量 (Nm³/min)	电源 (V/Hz)	加热功率 (KW)	鼓风机功率 (KW)	接管口径 (DN)	外形尺寸(mm)			重量 (kg)
						长(L)	宽(W)	高(H)	
EAD-15GFL	15	380/50	13	2.2	DN65	1500	1350	2480	1200
EAD-20GFL	20	380/50	15	2.5	DN80	1780	1450	2400	1350
EAD-25GFL	25	380/50	18	3.4	DN80	1780	1450	2500	1550
EAD-30GFL	30	380/50	23	7.5	DN80	1780	1450	2600	1650
EAD-40GFL	40	380/50	32	7.5	DN100	2300	1580	2745	2050
EAD-50GFL	50	380/50	36	7.5	DN125	2400	1780	2255	2500
EAD-60GFL	60	380/50	46	11	DN125	2400	1800	2400	2750
EAD-80GFL	80	380/50	56	13	DN125	2400	1800	2600	3350
EAD-100GFL	100	380/50	65	15	DN150	2700	2450	2300	4420
EAD-120GFL	120	380/50	77	18.5	DN150	2700	2450	2500	4950
EAD-150GFL	150	380/50	93	18.5	DN200	3000	2800	2750	5800

Compressed Air Precision Filter

Perfect design

The perfect quality is demanding, and each detail of the product is carefully designed. After repeated verification, the beautiful system design brings about long-term, efficient and stable operation of the product. We can also design the lowest cost and operable scheme for compressed air purification system for users to ensure optimal compressed air quality.

Filter

Compressed air contains water, oil, dust and other pollutants, which seriously affect the product quality and cause damage to the equipment used. The EAD series filters provides you with the best choice to remove these contaminants.

Filter material: Imported filter paper and glass fiber are used to reduce pressure drop and have precise filtration performance.

Filter correction factor

If the pressure is not 7 kgf/cm2, the maximum flow rate can be determined from the equipment specification, and then multiplied by the correction factor corresponding to the minimum pressure at the air inlet of filter. Do not select a filter based on tubing size. Select it according to flow rate and operating pressure.

进气口压力 kgf/cm²	2	3	4	5	6	7	8	9	10
修正系数k	0.38	0.50	0.62	0.75	0.87	1.00	1.12	1.24	1.37

Technical specification

EAD series filters are divided into: oil-water filter grade C, oil removal filter grade A, grade AA, dust removal filter grade T and activated carbon filter grade H.

1. Oil-water filter grade C
Water removal efficiency: 99.99%
Residual oil content: 5ppm

2. Oil removal filter grade A
Dust content: 0.01 um
Residual oil content: 0.01 ppm

3. Oil removal filter grade AA
Dust content: 0.01 um
Residual oil content: 0.001 ppm

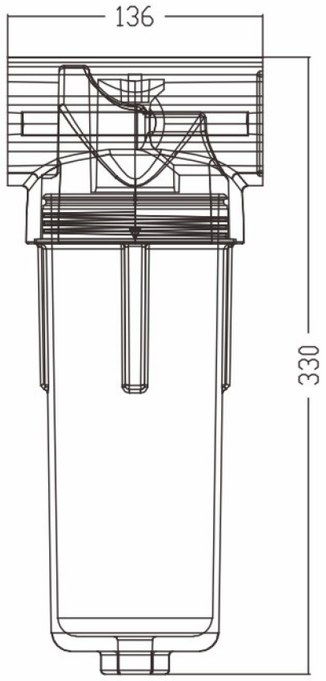
4. Dust filter grade T
Dust content: 1 um
Residual oil content: 1 ppm

5. Activated carbon filter grade H
Dust content: 0.01 um
Residual oil content: 0.003 ppm

Technical parameters

型号 Models	接口尺寸	空气处理量 (Nm^3/min)	外形尺寸(mm)		工作压力 (Mpa)	重量 (kg)
			宽(A)	高(C)		
EAD-(级别）-020	DN80	23	360	1225	1.0	54
EAD-(级别）-025	DN80	28	409	1325	1.0	75
EAD-(级别）-030	DN80	33	409	1325	1.0	80
EAD-(级别）-040	DN100	45	409	1325	1.0	80
EAD-(级别）-050	DN125	55	520	1362	1.0	118
EAD-(级别）-060	DN125	65	520	1362	1.0	118
EAD-(级别）-080	DN125	85	545	1530	1.0	153
EAD-(级别）-100	DN150	120	630	1430	1.0	160
EAD-(级别）-120	DN150	150	728	1752	1.0	162
EAD-(级别）-150	DN200	200	750	1752	1.0	273
EAD-(级别）-200	DN200	250	800	1752	1.0	300
EAD-(级别）-250	DN250	300	900	1850	1.0	373
EAD-(级别）-300	DN300	400	900	2200	1.0	420

Die-cast Aluminum Filter



Operating condition

It is mainly used to filter solid particle impurities in compressed air and block liquid water and oil contamination. The core of the filter is the filter element, through which the operating cost can be minimized under the premise of ensuring the acquisition of clean compressed air.

Operating pressure: ≤ 1.6 MPa
Inlet air temperature: ≤ 66 °C (The maximum working temperature of Class C filter element can reach 80 °C)

Filter element grade

Class C filter element E9 - main line filter; Class T filter element E7 - air line filter; Class A filter element E5 - high efficiency oil removal filter; Class AA filter element E3 - ultraprecision filter; Class H filter element E1 - activated carbon filter.

Technical parameters

型号 Models	接口尺寸	空气处理量 (Nm^3/min)	外形尺寸(mm)		工作压力 (Mpa)	重量 (kg)
			宽(A)	高(C)		
EAD-(级别) -001	RC1″	1.8	98	243	1.6	1.5
EAD-(级别) -002	RC1″	2.6	131	305	1.6	2.2
EAD-(级别) -003	RC1″	3.8	131	305	1.6	3.4
EAD-(级别) -006	RC1-1/2″	6.5	131	405	1.6	4.9
EAD-(级别) -010	RC2″	10.7	160	530	1.6	6.7
EAD-(级别) -013	RC2″	13.8	160	530	1.6	8.5
EAD-(级别) -015	DN65	18	214	590	1.6	9.3

High Pressure Type Refrigerant Dryer

NH series refrigerant dryers use the principle of refrigeration to cool the compressed air to saturate and precipitate the water in the compressed air, and then eliminate the condensate through the automatic discharge device, so as to achieve the purpose of compressed air drying.

Operating condition

Inlet pressure: 4.0MPa
Ambient pressure: 4.0MPa
Air inlet temperature: ≤ 45℃
Pressure dew point: 2 ~ 10 ≤
Ambient temperature: ≤ 45℃
Rated ambient temperature: 38.
Cooling mode: air cooling
Cryogen: R22 (R407C, R410, R134a customize)
Installation mode: Indoor installation without foundation, flat cement floor, no less than 1.5 m around the dryer, keep it ventilated.

Technical parameters

型号 Models	空气处理量 (Nm^3/min)	压缩机功率 (HP)	电源 (V/Hz)	接管口径 (DN)	外形尺寸(mm)			压力容器证书
					长(L)	宽(W)	高(H)	
EAD-1NH	1.6	0.5	220/50	RC1″	750	480	880	不含证书
EAD-2NH	2.4	1.0	220/50	RC1″	750	480	880	不含证书
EAD-3NH	3.6	1.2	220/50	RC1″	980	480	930	不含证书
EAD-6NH	7.2	2	220/50	RC1-1/2″	1100	580	1080	不含证书
EAD-10NH	11	3	220/50	RC2″	1250	600	1190	不含证书
EAD-13NH	13.8	3.5	220/50	RC2″	1250	600	1190	不含证书
EAD-15NH	17	3.8	380/50	DN65	1400	700	1389	不含证书
EAD-20NH	23	6.3	380/50	DN80	1830	760	1696	含证书
EAD-25NH	27	7.5	380/50	DN80	1850	960	1900	含证书
EAD-30NH	33	10	380/50	DN80	2180	960	1930	含证书
EAD-40NH	45	12.5	380/50	DN100	2300	1060	1990	含证书
EAD-50NH	55	15	380/50	DN125	2450	1250	2300	含证书
EAD-60NH	65	20	380/50	DN125	2460	1200	2231	含证书
EAD-80NH	85	25	380/50	DN125	3060	1170	1880	含证书

AC series energy-saving refrigerated dryer

Core advantages, one-touch handling

1. AC series is suitable for 4.0MPa and is specially designed for laser cutting;
2. Stainless steel or aluminum alloy material, more cleaner and more durable for compressed air pipeline;
3. High-temperature design, easy to cope with high-temperature conditions;

Selection description

Inlet air temperature: ≤ 60℃
Ambient temperature: ≤ 38℃
Working pressure: ≤ 4.0Mpa/3.0MPa
Pressure dew point: 3 ~ 8℃
Cryogen: R22
Cooling mode: air cooling

技术参数Tech parameters

型号 Models	空气处理量 (Nm³/min)	压缩机功率 (HP)	电源 (V/Hz)	接管口径 (DN)	外形尺寸(mm)			最高工作压力压力 (kg)
					长(L)	宽(W)	高(H)	
EAD-1AC	1.8	0.4	220/50	RC1/2″	550	260	610	40
EAD-2AC	2.4	0.7	220/50	RC1/2″	700	358.8	660	40
EAD-3AC	3.6	0.9	220/50	RC1″	700	358.8	660	40
EAD-6AC	6.5	2.0	220/50	RC1-1/2″	860	580	1050	40
EAD-10AC	10.8	3.0	220/50	RC2″	990	550	1100	40

Compressed air purification system flowchart