ALL SERIES OF PRODUCT MANUALS

HANGZHOU SHANLI
PURIFY EQUIPMENT CORPORATION

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PURIFY EQUIPMENT CORPORATION
All Series Of Product Manuals

ABOUT US

Hangzhou Shanli Purify Equipment Corporation produces Refrigerated compressed air dryer, heatless regenerative desiccant compressed air dryer, heated regenerative desiccant compressed air dryer, compressed heat regenerative desiccant compressed air dryer, blower heated regeneration desiccant compressed air dryer, combined low dew point compressed air dyer, compressed air filter self-cleaning air Compressor suction filter, pre-cooling unit for compressed air , precooling unit for low temperature and high pressure nitrogen generator, after cooler and other products. According to the needs of users, it can provide air cooled, water cooled, standard, fluorine-free, high temperature, instrument, sin-gle-chip microcomputer, programmable, industrial computer, frequency conversion control , high pressure, explosion-proof and other types and characteristics of compressed air purification equipment.

- **Dew point range:** 10℃~-70℃.
- **Treatment capacity:** 0.5 ～ 600nm3/min
- **Oil content at outlet:** 10ppm ～0.003ppm
- **Dust particle size at outlet:** 3um ～0.01um

20+

Widely used in more than 20 industries

30+

Best selling in more than 30 provinces and cities across the country

Hangzhou Shanli Purify Equipment Corporation has a strong product development, design and development capabilities, Based on the digestion and absorption of advanced technol-ogy, combined with the characteristics of domestic actual working conditions, Shanli brand air purification equipment has been successfully developed, who is a partner of all kinds of oil and oi-free air compressors.

The products re widely used in electric power, shipbuilding, aerospace, electronics, metallurgy, machinery, automobile manufacturing, petroleum, chemical industry, textile, chemical fiber, light industry, paper-making, rubber, instrumentation, food, air separation, cigarette, medicine, biology, daily chemicals and other industries. They are sold well in more than 30 provinces and cities in China, and nearly 10000 users have played an active role in national key projects. The products have been exported to Pakistan in complete sets for many times West, Australia, Iran, India, Sudan, Indonesia, Vietnam, Saudi Arabia and other Southeast Asia, the Middle East, Central Asia and Africa.

Development Path

1997
The company was established.

1998
The company established the first customer service center (Chengdu).

2001
the company obtained ISO9001 international quality system certificate.

2006
Acquired the largest single project in the history of the industry (about 10 million).

2007
it became the first batch of the compressed air purification equipment manufacturers to obtain the production license.

2009
The company's products have passed CE certification and obtained the qualification of exporting to EU.

2010
It has passed the Certification of ‘high and new tech enterprises’.

2012
the company obtained ISO14001 environmental management system certificate.

2013
The company's registered trademark was recognized as a well-known trademark in Hangzhou.

2014
the company rebuilt a larger factory building, which was completed in 2016.

2016
it was rated as the provincial high-tech enterprise research and development center.

2017
Relocated to the current plant and obtained ISO45001 occupational health and safety management system certificate.

2018
it was rated as a provincial research institute.

2020
won the "Pinzi Standard" Zhejiang Manufacturing Certification.

2021
Passed ‘knowledge product management system certification’.

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Enterprise Environment

Office Environment

In 2016,the company formally moved in to Renhe advanced manufacturing base in Yuhang District .The newly moved office area is spacious and bright with complete equipped facilities, which will greatly improve the office environment and work efficiency of all employ- ees, create a good service environment for customers and enhance the company image.

Workshop Environment

Constantly pursing excellent quality keeping improving, with advanced production equipment, strict quality management, and sophisticated production testing procedures, we guarantee the excellent performance of each product. The technology and equipment introduced by Shanli Company closely combine the internal quality of the products with the external individuation, and meet the needs of industrial modernization.

Honors Qualifications

HANGZHOU SHANLI
PURIFY EQUIPMENT CORPORATION

Quality first and excellence is the tenet of Shanli, which is committed to practice. Shanli has formulated clear quality management objectives and a sound and strict quality management system, covering all operational links such as research and development, production, sales and service, to ensure the excellent quality of products. As a national high-tech enterprise and a provincial research institute in Zhejiang Province, the air purification equipment manufactured by Shanli has obtained more than dozens of patents and passed the product quality and safety certification, CE certification, ISO9001 quality system certification, and safety production standardization. It has become the first batch of production license certification units in China, and is an excellent suction filtration and post-treatment purification equipment for various types of oil and oil-free air compressors.

Shanli has a perfect customer management system. Be responsible for providing customers with relevant information on equipment selection and equipment configuration scheme when purchasing. Unconventional products can provide customized product design according to customer needs to ensure that customers get high-quality products. Not only that, Shanli also provides customers with high-quality after-sales service. Shanli has a professional after-sales service team, which can provide customers with timely technical advice and answer their questions at any time, so as to ensure the excellent quality of customers when purchasing and using.

1 PRODUCT QUALITY AND SAFETY CERTIFICATION

2 CE CERTIFICATION

3 ISO9001 CERTIFICATE OF QUALITY SYSTEM

Qualification Certificate

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Cooperative Customers




Customer First




Sincere Service




Atlas Copco · BOGE DRUCKLUFTSYSTEME · BYD · CompAir · FUSHENG · IR Ingersoll Rand · SULLAIR · Sinopec

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List Of Some Customers

Military Aerospace

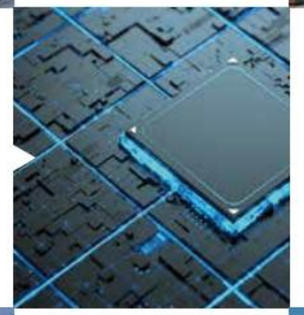
- Dalian shipbuilding,
- Jiangnan Shipbuilding
- Shenyang Aircraft,
- Xi'an Aircraft

Steel

- Baosteel, Shougang,
- Tanggang, Angang
- WISCO, Nangang,
- Handan, Panzhihua

High End Electronics

- Huawei, SMIC
- Huatian Technology



Automobile

- Dongfeng ERW,
- Changhe motor,
- Ford Motor
- Changan Automobile,
- BYD, Weilai automobile

Power

- Huaneng, Huadian
- Guodian, Datang
- CPI, Luneng Group
- China Resources Group

Petroleum and Petrochemicals

- Daqing Petrochemical,
- Sinopec
- Zhongyuan Oilfield,
- Qilu Petrochemical
- Jinzhou petrochemical,
- Yangzi Petrochemical

Food And Medicine

- Shuanghui,
- Yili, Dingxin group
- Guangming dairy
- Tianshili pharmaceutical
- Yunnan Baiyao
- beinmei

New Energy

- Ningde times,
- Huayou cobalt industry
- Xiamen tungsten,
- Ganfeng lithium

GOOD AIR QUALITY
SHANLI PROVIDE

Shanli products are widely used in shipbuilding, steel, aerospace, power, electronics, metallurgy, machinery, automobile manufacturing, petroleum, chemical industry, textile, chemical fiber, light industry, paper making, rubber, instrument, food, air separation, cigarette, medicine, biology, daily chemical and other industries. They sell well in more than 30 provinces and cities across the country, with nearly 10000 users. They play an active role in national key projects. The products have been exported in complete sets to India, Sudan, Brazil and other countries for many times

Air cooled refrigerated compressed air dryer

Combined low dew point compressed air dryer

Water cooled refrigerated compressed air dryer

Heated regeneration desiccant compressed air dryer

Heat of compression regeneration desiccant compressed air dryer

Blower heat regeneration desiccant compressed air dryer

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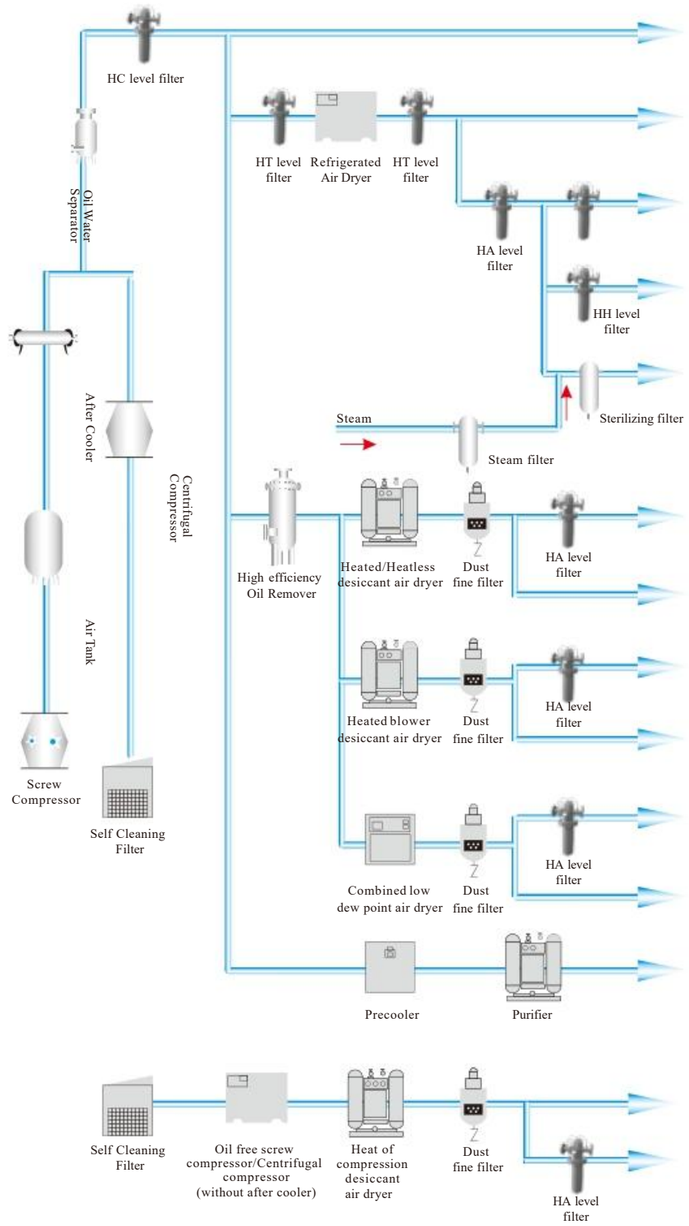
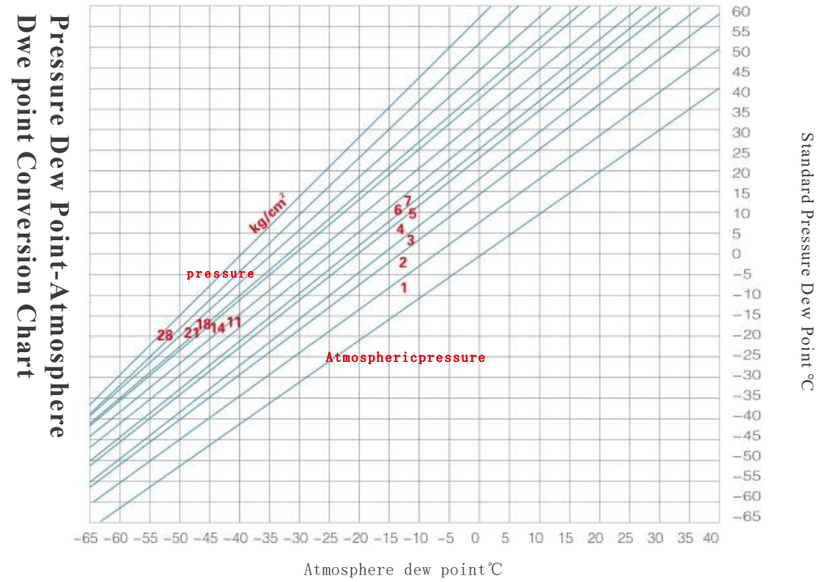


Moisture Remove: 99% Remaining Oil Content : 5PPM Filtration level:<3 um	Pneumatic tools and Tooling pneumatic clip dish & General pneumatic gun
Pressure Dew Point : 2-10℃ Remaining Oil Content: 1PPM Filtration level:<1 um	Pneumatic machinery, electroplating,painting and others
Pressure Dew Point : 2-10℃ Remaining Oil Content: 0.01PPM Filtration level:<0.01 um	Advanced Spraying Coating with pneumatic transport,pneumatic bearings and Meter
Pressure Dew Point : 2-10℃ Remaining Oil Content: 0.003PPM Filtration level:<0.01 um	Medical fields,Food Fields and Industry, Breathe Air,Deodorization and Sterilization
Pressure Dew Point : 2-10℃ Remaining Oil Content: 0.01PPM Filtration level:<0.01 um	Milk Production Field,Dentomechanics,Bioengineering,Food Processing and Pharmacy Industry
Pressure Dew Point : -20~-70℃ Remaining Oil Content: 0.01PPM Filtration level:<0.01um	Power, Chemical and Precision Machinery
Pressure Dew Point :-20~-70℃ Remaining Oil Content: 0.01PPM Filtration level:<1um	Pneumatic instrument.Textile chemical fiber and environmental protection
Pressure Dew Point :-20~-70℃ Remaining Oil Content: 0.01PPM Filtration level:<0.01 um	Film,Drying electronic component
Pressure Dew Point :-20~-70℃ Remaining Oil Content: 0.01PPM Filtration level:<1um	Bioengineering,Senior Plastic spraying and Electronic industrial
Pressure Dew Point :-20~-70℃ Remaining Oil Content: 0.01PPM Filtration level:<0.01um	Film,Drying electronic component
Pressure Dew Point :-20~-70℃ Remaining Oil Content: 0.01PPM Filtration level:<1um	Bioengineering,Senior Plastic spraying and Electronic industrial
Oxygen and Nitrogen Making industrial with air	
Pressure Dew Point: 0~-40℃ Filtration level: <1 um	Steel, textile industry
Pressure Dew Point: 0~-40℃ Filtration level: <0.01 um	Bioengineering,Senior Plastic spraying and Electronic industrial

Notes:
Above configuration is for reference only, and the specific configuration can be corresponding adjustment according to the actual situation.

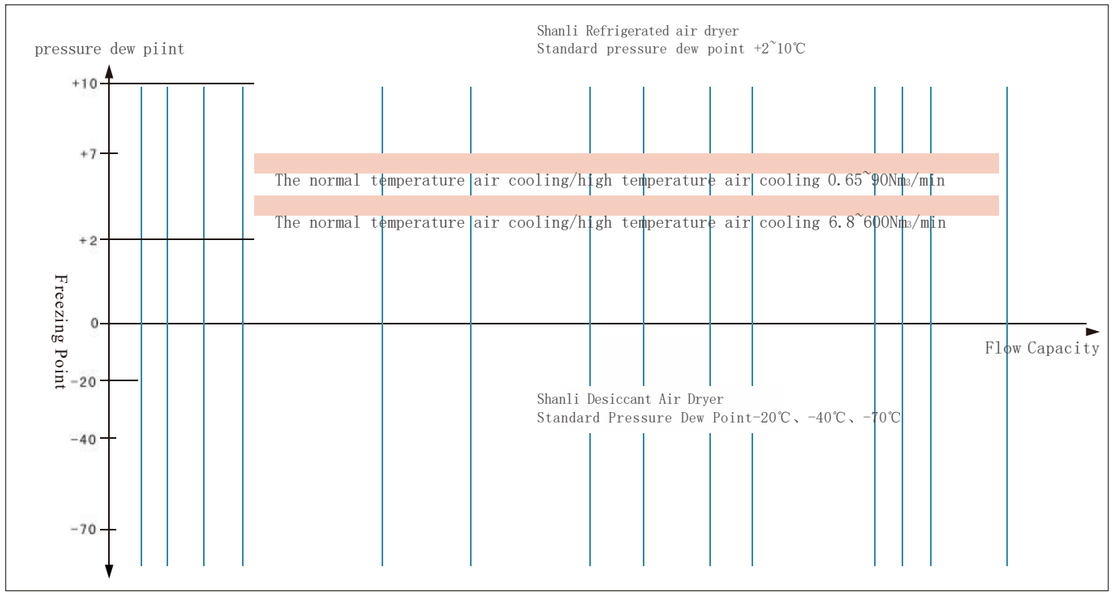
A Complete Set Of Solutions
Shanli Air Dryer



The relation sheet of atmosphere dew point and water content

Atmosphere Dew Point (℃)	Water Content (g/m3)	Atmosphere Dew Point (℃)	Water Content (g/m3)	Atmosphere Dew Point (℃)	Water Content (g/m3)	Atmosphere Dew Point (℃)	Water Content (g/m3)	Atmosphere Dew Point (℃)	Water Content (g/m3)
64	153.8	39	48.7	14	12.1	-11	2.19	-36	0.260
63	147.3	38	46.3	13	11.4	-12	2.03	-37	0.236
62	141.2	37	44.0	12	10.7	-13	1.88	-38	0.214
61	135.3	36	41.8	11	10.0	-14	2.74	-39	0.194
60	130.3	35	39.6	10	9.3	-15	1.61	-40	0.176
59	124.7	34	37.6	9	8.8	-16	1.48	-41	0.159
58	119.4	33	35.7	8	8.3	-17	1.37	-42	0.144
57	114.2	32	33.8	7	7.6	-18	1.26	-43	0.130
56	109.2	31	32.1	6	7.3	-19	1.17	-44	0.117
55	104.2	30	30.4	5	6.8	-20	1.07	-45	0.106
54	99.8	29	28.8	4	6.4	-21	0.99	-46	0.095
53	95.4	28	27.2	3	5.9	-22	0.91	-47	0.085
52	91.1	27	25.8	2	5.6	-23	0.84	-48	0.077
51	87.0	26	24.4	1	5.2	-24	0.77	-49	0.069
50	83.1	25	23.1	0	4.8	-25	0.70	-50	0.062
49	79.3	24	21.8	-1	4.5	-26	0.65	-51.1	0.054
48	75.6	23	20.6	-2	4.2	-27	0.59	-53.9	0.040
47	72.3	22	19.4	-3	3.9	-28	0.54	-56.7	0.029
46	68.7	21	18.3	-4	3.7	-29	0.50	-59.4	0.021
45	65.5	20	17.3	-5	3.4	-30	0.45	-62.2	0.014
44	62.4	19	16.3	-6	3.2	-31	0.41	-65	0.011
43	59.4	18	15.4	-7	2.9	-32	0.38	-67.8	0.008
42	56.6	17	14.5	-8	2.7	-33	0.34	-70.6	0.005
41	53.8	16	13.6	-9	2.5	-34	0.32	-73	0.003
40	51.2	15	12.8	-10	2.4	-35	0.29		

A Completes Set Of Solutions
Shanli Compressed Air Dryer



ISO 8573-1:2010 Contaminants And Purity Classes

Class	Partinles			Moisture	Max oil contain
	Per cubic meter of maximum number of particles			Max pressure dew point	
	particle size, d(um)				
	0.1<d≤0.5	0.5<d≤1.0	1.0<d≤5		
0	Clients customized			Clients customized	Clients customized
1	≤20000	≤400	≤10	<=-70℃	<=0.01mg/m3
2	≤400000	≤6000	≤100	<=-40℃	<=0.1mg/m3
3	No specified	≤90000	≤1000	<=-20℃	<=1mg/m3
4	No specified	No specified	≤10000	<=+3℃	<=5mg/m3
5	No specified	No specified	≤100000	<=+7℃	-
6	-	-	-	<=+10℃	-
	Level 6-level 7 depend on the maximum density of particles Class6:0<density≤5mg/m3 Class7:5<density≤10mg/m3			Level 7-level 9 depend on the Liquid water content Class7:0.5g/m3<Cw<=5g/m3 Class9:5g/m3<Cw<=10g/m3	

SDLF(W) Series

Refrigerated Compressed Air Dryer

Applicable Working Conditions

- **Max inlet temp:** 60° C
- **Environment temperature range:** 5° C-50° C
- **Pressure range:** 0.6-1.6Mpa (0.5-12Nm³/min)
  0.6-1.0 Mpa (15Nm³/min and above)
- **Pressure dew point:** 2℃~10℃
- **Cooling mode:** air cooled/water cooled
- **Cryogen:** 0.5~2 Nm/min is R134a, 3~12Nm³/min is R410a, 15~80Nm/min is R407C, 80 Nm/min and above is R22
- **Pressure loss:** ≤ 3% of design working pressure

Design Working Conditions

- **Inlet air temperature:** 38° C
- **Ambient temperature:** 38℃
- **Working pressure:** 0.7Mpa
- **Cooling water temperature:** ≤32℃

Working Principle

The amount of water vapor in the compressed air is determined by the temperature of the compressed air: under the condition that the pressure of the compressed air is basically unchanged, reducing the temperature of the compressed air can reduce the content of water vapor in the compressed air, and the excess water vapor will condense into liquid. According to the corresponding relationship between the saturated steam pressure and temperature of water, the freezing dryer uses the refrigeration device to cool the compressed air to a certain dew point temperature, release the contained water, and discharge the water through the steam water separator and electric drainer, so as to dry the compressed air.

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Product Characteristics

- Ensure the normal operation of the equipment at the ambient temperature of 50℃;
- 0.5-80 cubic meters use environmentally friendly refrigerant; use a three-in-one plate or plate-fin heat exchanger ,collecting three functions of the regenerator, the evaporator and the gas-liquid separator , with good heat exchange effect, compact and beautiful structure; modular refrigeration components. Convenient for disassembly and repair, strong replaceability;
- R22 refrigerant and tube heat exchanger are used for more than 80 cubic meters; the gas-liquid separator adopts a patented three-stage separation method of "direct collision separation , low-speed centrifugal separation and stainless steel wire mesh demisting separation", which will remove 99.9% of the liquid The moisture is separated from the cooled compressed air to prevent the secondary evaporation of moisture and ensure the low dew point quality of the finished gas;
- The refrigeration compressor adopts DANFOSS, FUSHENG, PANASONIC, BTZERO, COPELAND, HIGHLY, etc. fully enclosed or semi-enclosed refrigeration compressors, which have stable operation, low noise, high COP, reliable performance, and long power- saving life;
- Refrigeration control components adopt the world's advanced refrigeration components like DANFOSS, EMERSON,SPORLAN and other companies;
- Real-time display of operating parameters;

Equipment Selection table

- The equipment selection under different working conditions can be calculated by the following formula:
  Selection processing capacity = actual processing capacity + (coefficient C1x coefficient C2x coefficient C3)

According to DIN IS07183, the design of the refrigeration dryer is based on the following parameters, the intake air temperature is 38C, the ambient temperature is 38C, and the working pressure is 0.7Mpa.

Pressure loss:≤3% of the design pressure. For different working pressure and temperature, the following correction factors should be considered when selecting.

Table 1: Compressed air inlet temperature correction coefficient (C1)

Air Inlet Temp(℃)	30	35	38	40	45	50	55	60
Factor	1.3	1.1	1.0	1.0	0.78	0.64	0.53	0.46

Table 2: Compressed air inlet pressure correction coefficient (C2)

Inlet pressure(Mpa)	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Factor	0.63	0.75	0.88	1.0	1.04	1.07	1.1

Table 3: Ambient temperature correction factor (C3) (for air cooled type only)

Ambient temperature (℃)	20	25	30	35	38	40	45	50
Factor	1.16	1.12	1.08	1.03	1.00	0.98	0.80	0.7

Air-cooled refrigerated compressed air dryer (plate fin type)

Item / Model	Air capacity (Nm³/min)	Voltage (V)	Fan Power (W)	Air connection pipe diameter	N.W (kg)	L (mm)	W (mm)	H (mm)	Air volume (Nm3/h)
SDLF-0.5	0.65	220	40	G1″	34	400	560	730	410
SDLF-1	1.2	220	40	G1″	36	400	560	730	410
SDLF-2	2.5	220	50	G1″	45	520	640	890	820
SDLF-3	3.6	220	85	G1″	54	520	640	890	1000
SDLF-4.5	5.0	220	165	G1-1/2″	60	540	700	1000	1850
SDLF-6	6.8	220	165	G1-1/2″	65	540	700	1000	1850
SDLF-8	8.5	220	170	G2″	76	610	900	1070	3700
SDLF-10	10.9	380/220	150	G2″	88	610	900	1070	3700
SDLF-12	12.8	380/220	150	G2″	88	610	900	1070	3700
SDLF-15	16	380/220	380	DN65	276	1170	920	1420	7600
SDLF-20	22	380/220	380	DN65	278	1170	920	1420	7600
SDLF-25	26.8	380/220	460	DN80	290	1170	920	1420	9000
SDLF-30	32	380/220	840	DN80	430	1400	1200	1600	12500
SDLF-40	43.5	380/220	1100	DN100	474	1400	1200	1600	15000
SDLF-50	53	380/220	920	DN100	530	1600	1200	1600	18000
SDLF-60	67	380/220	920	DN125	685	1600	1400	1650	18000
SDLF-80	90	380/220	2200	DN125	930	1800	1500	1770	30000

Water-cooled refrigerated compressed air dryer (plate fin type)

Item / Model	Capacity (Nm³/min)	Voltage (V)	Cooling water volume (m³/h)	Air connection pipe size	Cooling water connection pipe size	N.W (kg)	L (mm)	W (mm)	H (mm)
SDLW-8	8.5	220	1.2	G2″	R1″	140	600	600	900
SDLW-10	10.9	380/220	1.6	G2″	R1″	180	820	700	1040
SDLW-12	12.8	380/220	1.6	G2″	R1″	180	820	700	1040
SDLW-15	16	380/220	2.2	DN65	R1″	200	1170	920	1420
SDLW-20	22	380/220	2.4	DN65	R1″	270	1170	920	1420
SDLW-25	26.8	380/220	2.6	DN80	R1-1/2″	290	1170	920	1420
SDLW-30	32	380/220	3.4	DN80	R1-1/2″	410	1400	1200	1600
SDLW-40	43.5	380/220	4.6	DN100	R1-1/2″	420	1400	1200	1600
SDLW-50	53	380/220	5.8	DN100	1-1/2	530	1600	1200	1600
SDLW-60	67	380/220	7.2	DN125	1-1/2	600	1600	1400	1650
SDLW-80	90	380/220	9.1	DN125	1-1/2	850	1800	1500	1770

Water-cooled refrigerated compressed air dryer (shell and tube type)

Item / Model	Capacity (Nm³/min)	Voltage (V)	Cooling water volume (m³/h)	Air connection pipe size	Cooling water connection pipe size	N.W (kg)	L (mm)	W (mm)	H (mm)
SDLW-100	110	380/220	14.6	DN150	R2″	1689	2410	1135	1976
SDLW-120	130	380/220	16.2	DN150	R2″	1952	2600	1355	2144
SDLW-150	160	380/220	18.6	DN200	R2-1/2″	2551	2970	1550	2374
SDLW-200	210	380/220	24.4	DN200	R2-1/2″	2779	3370	1510	2434
SDLW-250	260	380/220	30.5	DN250	R3″	3750	3660	1960	2666
SDLW-300	310	380/220	36	DN250	R3″	4140	3795	1900	2714
SDLW-350	350	380/220	43	DN300	R3″	5035	4080	2050	3009
SDLW-400	400	380/220	50	DN300	R4″	5348	4400	2050	3009
SDLW-450	450	380/220	57	DN350	Detailed parameters to consult manufacturer				
SDLW-500	500	380/220	62	DN350	Detailed parameters to consult manufacturer				
SDLW-550	550	380/220	68.5	DN400	Detailed parameters to consult manufacturer				
SDLW-600	600	380/220	75	DN400	Detailed parameters to consult manufacturer				

Note: models above 300m³ (included) without canopy

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Refrigerated compressed air dryer (built-in pre-cooler)

Applicable Working Conditions

0.5-12Nm³/min,100-600Nm³/min optimization scheme of high temperature air inlet equipment.

- **Max inlet temp:** 80℃
- **Environment temperature range:** 5℃-50℃
- **Pressure range:** 0.6-1.6Mpa(0.5-12Nm³/min) 0.6-1.0Mpa (100Nm³/min 及以上)
- **Pressure dew point:** 2℃~10℃
- **Cooling mode:** air cooled/Water cooled

Air-cooled refrigerated compressed air dryer

Item / Model	Air capacity (Nm³/min)	Voltage (V)	Fan Power (W)	Air connection pipe diameter	N.W (kg)	L (mm)	W (mm)	H (mm)	Air volume (Nm3/h)
SDLF-0.5HT	0.65	220	80	G1″	54	400	560	730	820
SDLF-1HT	1.2	220	80	G1″	57	400	560	730	820
SDLF-2HT	2.5	220	100	G1″	66	520	640	890	1640
SDLF-3HT	3.6	220	135	G1″	79	520	640	890	2670
SDLF-4.5HT	5.0	220	250	G1-1/2″	86	540	700	1000	4650
SDLF-6HT	6.8	220	250	G1-1/2″	90	540	700	1000	4650
SDLF-8HT	8.5	220	270	G2″	99	610	900	1070	5700
SDLF-10HT	10.9	380/220	260	G2″	113	610	900	1070	5700
SDLF-12HT	12.8	380/200	260	G2″	113	610	900	1070	5700

Note: The above models adopt plate fin heat exchanger

Water-cooled refrigerated compressed air dryer

Item / Model	Air capacity (Nm³/min)	Voltage (V)	Water consumption (m3/h)	Air connection pipe diamter	Cooling water pipe diameter	N.W (kg)	L (mm)	W (mm)	H (mm)
SDLW-100HT	110	380/220	29.2	DN150	R2″	2118	2440	1780	1976
SDLW-120HT	130	380/220	32.4	DN150	R2″	2411	2610	1960	2146
SDLW-150HT	160	380/220	37.2	DN200	R2-1/2″及R3″	3173	2980	2260	2374
SDLW-200HT	210	380/220	48.8	DN200	R2-1/2″及R3″	3493	3370	2160	2420
SDLW-250HT	260	380/220	60.4	DN250	R3″	4738	3660	2600	2714
SDLW-300HT	310	380/220	72	DN250	R3″	5184	3760	2410	2560
SDLW-350HT	350	380/220	79	DN300	R3″	6149	4060	2660	3009
SDLW-400HT	400	380/220	97.6	DN300	R4″	6678	4260	2660	3009
SDLW-450HT	450	380/220	109.2	DN350	Detailed parameters to consult manufacturer				
SDLW-500HT	500	380/220	120.8	DN350	Detailed parameters to consult manufacturer				
SDLW-550HT	550	380/220	132.4	DN400	Detailed parameters to consult manufacturer				
SDLW-600HT	600	380/220	144	DN400	Detailed parameters to consult manufacturer				

Note: The above machines adopt shell and tube heat exchanger

SDXW Series

Heatless Regeneration Desiccant Compressed Air Dryer

Applicable Working Conditions

- **Max air inlet temperature:** 45℃
- **Working pressure range:** 0.5-1.0Mpa
- **Pressure dew point:** -20℃~-40℃
- **Pressure loss:** ≤ 3% of design working pressure
- **Oil content of air inlet :** ≤0.1PPm
- **Control mode:** Micro computer/PLC controller
- **Power:** AC220V/50HZ,
- **Working cycle:** T=10(min)

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Product Characteristics

- 10 minutes standard cycle;
- Working pressure dew point -20℃~-40℃;
- High-quality switching valve, stable and reliable, can ensure the integrity of the work process and prolong the working life of components;
- Choosing Special adsorbents with highly hygroscopic , uniform shape and size, high strength, low output dew point, less dust generated, and long service life;
- The amount of regeneration air can be adjusted according to the operating load requirements of the equipment to achieve energy saving effect
- Reasonable heater design, good dehumidification and regeneration effect, low air consumption, high heating efficiency, and minimized energy consumption;
- Programmable microcomputer controller, that adsorption and regeneration time can be adjusted to achieve your satisfactory dew point value;

Selection process

- The pressure loss of the pre-filter in the system must be considered when choosing the correction factor CFP of inlet pressure of dryer.
- Select the air inlet temperature correction factor CFT.
- Selection calculation formula: selection treatment capacity = actual treatment capacity÷(CFPXCFT)

Table 1：Working pressure correction factor CFP

Inlet Air pressure	Mpa	0.5	0.6	0.7	0.8	0.9	1.0
	CFP	0.75	0.88	1	1.13	1.25	1.38

Table 2: Air inlet temperature correction factor CFT

Inlet Air temperature	℃	20	25	30	35	38	45
	CFT	1.2	1.1	1	1	1	0.75

Heatless regeneration desiccant compressed air dryer PB series

Item / Model	Air capacity (Nm3/min)	Desiccant Weight (kg)	Air connection pipe diameter	N.W (kg)	L (mm)	W (mm)	H (mm)
SDXW-1PB	1.2	40	G1″	165	810	500	1275
SDXW-2PB	2.5	45	G1″	235	810	500	1325
SDXW-3PB	3.6	60	G1″	355	810	500	1675
SDXW-4.5PB	5.0	100	G1-1/2″	385	1040	600	1793
SDXW-6PB	6.8	120	G1-1/2″	480	1040	600	2143
SDXW-8PB	8.5	180	G2″	600	1200	600	2246
SDXW-10PB	10.9	200	G2″	755	1200	600	2346
SDXW-12PB	12.8	200	G2″	755	1200	600	2346
SDXW-15PB	16	310	DN65	775	1310	769	2329
SDXW-20PB	22	492	DN65	1030	1410	769	2390
SDXW-25PB	26.8	578	DN80	1200	1510	818	2774
SDXW-30PB	32	600	DN80	1220	1565	815	2501
SDXW-40PB	43.5	856	DN100	1640	1854	963	2687
SDXW-50PB	53	1002	DN100	1650	1900	978	2707
SDXW-60PB	67	1334	DN125	2390	2166	1100	2869
SDXW-80PB	90	1608	DN125	2900	2864	1059	2857
SDXW-100PB	110	2000	DN150	3800	3460	1230	3048
SDXW-120PB	130	2435	DN150	4330	3560	1305	3094
SDXW-150PB	160	2926	DN200	5270	3960	1450	3332
SDXW-200PB	210	4070	DN200	6920	4360	1605	3471
SDXW-250PB	260	4710	DN250	Detailed parameters to consult manufacturer			
SDXW-300PB	310	6160	DN250	Detailed parameters to consult manufacturer			

Note: Design working conditions: working pressure: 7 bar, air inlet temperature: 38℃, pressure dew point: -20° C

Heatless regeneration desiccant compressed air dryer PF series

Item / Model	Air capacity (Nm3/min)	Desiccant Weight (kg)	Air connection pipe diameter	N.W (kg)	L (mm)	W (mm)	H (mm)
SDXW-1PF	1.2	42	G1	235	810	500	1325
SDXW-2PF	2.5	62	G1	306	810	500	1675
SDXW-3PF	3.6	100	G1	385	1040	600	1793
SDXW-4.5PF	5.0	126	G1-1/2	550	1040	600	2143
SDXW-6PF	6.8	185	G1-1/2	600	1200	600	2246
SDXW-8PF	8.5	200	G2	756	1200	600	2346
SDXW-10PF	10.9	315	G2	890	1310	800	2310
SDXW-12PF	12.8	315	G2	890	1310	800	2310
SDXW-15PF	16	395	DN65	890	1310	730	2445
SDXW-20PF	22	578	DN65	1190	1410	730	2737
SDXW-25PF	26.8	725	DN80	1380	1854	920	2611
SDXW-30PF	32	860	DN80	1600	1854	920	2653
SDXW-40PF	43.5	1160	DN100	2020	2166	950	2758
SDXW-50PF	53	1335	DN100	2140	2166	950	2778
SDXW-60PF	67	1650	DN125	3040	2864	1350	2857
SDXW-80PF	90	2505	DN125	4080	3560	1705	3037
SDXW-100PF	110	3020	DN150	5100	3960	1830	3228
SDXW-120PF	130	3785	DN150	6140	3962	2050	3344
SDXW-150PF	160	4210	DN200	6880	4360	2620	3471
SDXW-200PF	210	5580	DN200	7880	4470	2985	3622
SDXW-250PF	260	6970	DN250	Detailed parameters to consult manufacturer			
SDXW-300PF	310	8100	DN250	Detailed parameters to consult manufacturer			

Note: Design working conditions:working pressure: 7bar, air inlet temperature: 38℃, pressure dew point: -40℃

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SDXJ Series

Heated Regeneration Desiccant Compressed Air Dryer

Applicable Working Conditions

- **Max air inlet temperature:** 45℃
- **Working pressure range:** 0.5-1.0Mpa
- **Pressure dew point:** -20℃~-40℃
- **Pressure loss:** ≤ 3% of design working pressure
- **Oil content of air inlet :** ≤0.1PPm
- **Control mode:** Micro computer/PLC controller
- **Power:** 1-4.5Nm ³/ Min is AC 220V/50HZ
  6Nm ³/ Min and above is 380V/220V/50HZ
- **Working cycle:** T=2-8(h)

Product Characteristics

- 2-8 hours standard cycle;
- Working pressure dew point -20℃~-40℃;
- High-quality switching valve, stable and reliable, can ensure the integrity of the work process and prolong the working life of components;
- Choosing Special adsorbents with highly hygroscopic , uniform shape and size, high strength, low output dew point, less dust generated, and long service life;
- The unique design of regeneration pipeline ensures that the regeneration air can be distributed evenly during flat heating and cold blowing, so that the adsorbent in the center of the adsorption tower can be heated evenly, heat dissipation is fast, and regeneration is complete;
- Reasonable heater design, good dehumidification and regeneration effect, low air consumption, high heating efficiency, and minimized energy consumption;
- Programmable microcomputer controller, that cycle time—adsorption, regeneration working time, heating time, heating temperature can be adjusted to achieve your satisfactory dew point value;

Selection process

- The pressure loss of the pre-filter in the system must be considered when choosing the correction factor CFP of inlet pressure of dryer.
- Select the air inlet temperature correction factor CFT.
- Selection calculation formula: selection treatment capacity = actual treatment capacity÷(CFPXCFT)

Table 1: Working pressure correction factor CFP

Inlet Air pressure	Mpa	0.5	0.6	0.7	0.8	0.9	1.0
	CFP	0.75	0.88	1	1.13	1.25	1.38

Table 2: Air inlet temperature correction factor CFT

Inlet Air temperature	℃	20	25	30	35	38	45
	CFT	1.2	1.1	1	1	1	0.75

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Heated regeneration desiccant compressed air dryer PB series

Item / Model	Air capacity (Nm³/min)	Electrical heater power (kw)	Desiccant weight (Kg)	Air connection pipe diameter	N.W (kg)	L (mm)	W (mm)	H (mm)
SDXJ-1PB	1.2	1	40	G1″	185	810	500	1275
SDXJ-2PB	2.5	1.2	45	G1″	255	810	500	1325
SDXJ-3PB	3.6	1.5	60	G1″	340	810	500	1676
SDXJ-4.5PB	5.0	2.1	100	G1-1/2″	450	1040	600	1793
SDXJ-6PB	6.8	3	120	G1-1/2″	630	1040	600	2143
SDXJ-8PB	8.5	4	180	G2″	680	1200	600	2246
SDXJ-10PB	10.9	5	200	G2″	810	1200	600	2346
SDXJ-12PB	12.8	5	200	G2″	810	1200	600	2346
SDXJ-15PB	16	6	310	DN65	875	1310	771	2348
SDXJ-20PB	22	8	492	DN65	1130	1410	769	2408
SDXJ-25PB	26.8	10	578	DN80	1320	1510	818	2764
SDXJ-30PB	32	12	600	DN80	1335	1565	835	2491
SDXJ-40PB	43.5	15	856	DN100	1800	1854	983	2669
SDXJ-50PB	53	18	1002	DN100	2010	1900	998	2688
SDXJ-60PB	67	22	1334	DN125	2585	2166	1119	2803
SDXJ-80PB	90	27	1608	DN125	3060	2864	1350	2857
SDXJ-100PB	110	36	2000	DN150	4080	3460	1605	3048
SDXJ-120PB	130	42	2435	DN150	4600	3560	1675	3094
SDXJ-150PB	160	54	2926	DN200	5600	3960	1800	3332
SDXJ-200PB	210	72	4070	DN200	7300	4360	2055	3471
SDXJ-250PB	260	96	4710	DN250	Detailed parameters to consult manufacturer			
SDXJ-300PB	310	120	6160	DN250	Detailed parameters to consult manufacturer			

Design working conditions:working pressure: 7bar, air inlet temperature: 38℃, pressure dew point: -20℃

Heated regeneration desiccant compressed air dryer PF series

Item / Model	Air capacity (Nm³/min)	Electrical heater power (kw)	Desiccant weight (Kg)	Air connection pipe diameter	N.W (kg)	L (mm)	W (mm)	H (mm)
SDXJ-1PF	1.2	1.2	42	G1	255	810	500	1325
SDXJ-2PF	2.5	1.5	62	G1	340	810	500	1675
SDXJ-3PF	3.6	2.1	100	G1	450	1040	600	1793
SDXJ-4.5PF	5.0	3	126	G1-1/2	630	1040	600	2143
SDXJ-6PF	6.8	4	185	G1-1/2	680	1200	600	2246
SDXJ-8PF	8.5	5	200	G2	810	1200	600	2346
SDXJ-10PF	10.9	5	315	G2	950	1310	800	2310
SDXJ-12PF	12.8	5	315	G2	950	1310	800	2310
SDXJ-15PF	16	10	395	DN65	1040	1360	730	2452
SDXJ-20PF	22	15	578	DN65	1350	1580	870	2766
SDXJ-25PF	26.8	15	725	DN80	1560	1854	920	2650
SDXJ-30PF	32	18	860	DN80	1720	1854	920	2648
SDXJ-40PF	43.5	27	1160	DN100	2280	2300	1457	2785
SDXJ-50PF	53	36	1335	DN100	2580	2500	1400	2807
SDXJ-60PF	67	36	1610	DN125	3340	2864	1550	2857
SDXJ-80PF	90	54	2505	DN125	4350	3560	2131	3037
SDXJ-100PF	110	72	3020	DN150	5480	3960	2050	3228
SDXJ-120PF	130	72	3785	DN150	6530	3962	2405	3344
SDXJ-150PF	160	96	4210	DN200	7360	4360	2995	3471
SDXJ-200PF	210	120	5580	DN200	8410	4470	3435	3622
SDXJ-250PF	260	150	6970	DN250	Detailed parameters to consult manufacturer			
SDXJ-300PF	310	180	8100	DN250	Detailed parameters to consult manufacturer			

Design working condition: working pressure: 7bar, inlet air temperature: 38 ℃, pressure dew point: -40 ℃

SDXY Series

Air Purge Heat Of Compression Desiccant Air Dryer

Applicable Working Conditions

- **Max air inlet temperature:** 100℃
- **Working pressure range:** 0.5-1.0Mpa
- **Pressure dew point:** -20℃~-40℃
- **Pressure loss:** ≤5% of design working pressure
- **Cooling water inlet temperature:** ≤ 30 ℃ (PF series)
  ≤ 32 ℃ (PB series)
- **Power supply:** AC 220V/50HZ (PB series)
  AC 380V/220V/50HZ (PF series)
- **Cycle:** T=6-8 (h) (the cycle of 100m³ and below PB series is 6h)
- **Cooling water inlet temperature :** ≤32℃
- **Air inlet oil content:** ≤0.1PPm
- **Control mode:** PLC controller
- **Working cycle:** T=8 (h)



Working Principle

Heat of Compression Desiccant Air Dryer make full set of the heat generated by the compressor in the compressed gas to regenerate the adsorbent. For ordinary suction dryers, this part of high-temperature heat source needs to be cooled down before use, so this part of heat is wasted in vain,and the compression heat series dryer makes full use of this part of heat to regenerate adsorbent, which is not only economical the electric heater power consumption required by the micro heat drying machine series is reduced, and the gas consumption at this stage is eliminated. Therefore, this product is a good energy-saving product.

Product Characteristics

- High efficiency and energy saving;
- The pressure dew point can reach-20 C°--40 C;
- Equipped with imported brand PLC controller to realize interlocking function;
- High quality switching valve,stable and reliable, can ensure the integrity of the working process and prolong the working life of component;
- Special adsorbent with high hygroscopicity is selected with uniform shape and size, high strength,low dew point. Less dust and long service life;
- The unique airflow distribution design ensures that the airflow distribution is uniform when the high temperature air is heated & regenerated ,and also the low temperature air is adsorbed, so that the adsorbent at the edge of the desiccant tower can be fully utilized and the tunnel flow effect can be avoided;
- Low pressure loss;
- Three types of drainage function: liquid level, time and manual operation;

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Air purge heat of compression desiccant air dryer PB series

Item / Model	Air capacity (Nm³/min)	L (mm)	W (mm)	H (mm)	N.W (Kg)	Desiccant weight (kg)	Air connection pipe diameter	Power consumption (w)	water consumption (m³/h)
SDXY -30PB	30	2700	1650	2610	2800	720	DN80	500	13
SDXY-40PB	40	2900	1800	2658	3000	850	DN100	500	20
SDXY -50PB	50	2900	1800	2695	3400	990	DN100	500	25
SDXY -60PB	60	3200	1800	2900	3800	1300	DN125	500	30
SDXY -80PB	80	3500	1900	2904	4400	1670	DN125	500	40
SDXY -100PB	100	3700	2100	2960	5200	2050	DN150	500	53
SDXY -120PB	120	3900	2200	3071	6800	3050	DN150	500	47
SDXY -150PB	150	4500	2630	3293	8300	3600	DN200	500	59
SDXY -180PB	180	4500	2700	3340	10000	4200	DN200	500	71
SDXY -200PB	200	4600	2800	3425	11100	4900	DN200	500	78
SDXY -220PB	220	4600	2800	3483	12200	5600	DN200	500	86
SDXY -250PB	250	Detailed parameters to consult manufacturer							
SDXY -300PB	300	Detailed parameters to consult manufacturer							
SDXY -350PB	350	Detailed parameters to consult manufacturer							
SDXY -400PB	400	Detailed parameters to consult manufacturer							

Design working condition: working pressure: 8 bar, inlet air temperature: 120 ℃, pressure dew point: - 20 ℃, cooling water inlet temperature ≤ 32 ℃.
Note: SDXY-450PB TO SDXY-700PB detailed parameters to consult manufacturer

Air purge heat of compression desiccant air dryer PF series

Item / Model	Air capacity (Nm³/min)	L (mm)	W (mm)	H (mm)	N.W (Kg)	Desiccant weight (kg)	Air connection pipe diameter	Power consumption (w)	water consumption (m³/h)
SDXY-30PF	30	2700	1650	2610	2850	720	DN80	Detailed parameters to consult manufacturer	
SDXY-40PF	40	2900	1800	2658	3100	850	DN100	Detailed parameters to consult manufacturer	
SDXY-50PF	50	2900	1800	2695	3900	1300	DN100	Detailed parameters to consult manufacturer	
SDXY-60PF	60	3200	1800	2900	4300	1300	DN125	Detailed parameters to consult manufacturer	
SDXY-80PF	80	3500	1900	2904	4900	2050	DN125	Detailed parameters to consult manufacturer	
SDXY-100PF	100	3900	2200	3039	5700	2540	DN150	Detailed parameters to consult manufacturer	
SDXY-120PF	120	3900	2200	3071	7000	3050	DN150	Detailed parameters to consult manufacturer	
SDXY-150PF	150	4500	2630	3293	8500	3600	DN200	Detailed parameters to consult manufacturer	
SDXY-180PF	180	4500	2700	3340	10200	4200	DN200	Detailed parameters to consult manufacturer	
SDXY-200PF	200	4600	2800	3425	11400	4900	DN200	Detailed parameters to consult manufacturer	
SDXY-220PF	220	4600	2800	3483	12200	5600	DN200	Detailed parameters to consult manufacturer	
SDXY-250PF	250	Detailed parameters to consult manufacturer							
SDXY-300PF	300	Detailed parameters to consult manufacturer							

Design working condition: working pressure: 8 bar, inlet air temperature: 120 ℃, pressure dew point: - 40 ℃, cooling water inlet temperature ≤ 30 ℃.
Note: SDXY-350PF TO SDXY-700PF detailed parameters to consult manufacturer

SDXY Series

Zero Air Purge Heat Of Compression Desiccant Air Dryer

Applicable Working Conditions

- **Max air inlet temperature:** 100℃
- **Working pressure range:** 0.5-1.0Mpa
- **Pressure dew point:** -20℃~-40℃
- **Pressure loss:** ≤5% of design working pressure
- **Cooling water inlet temperature:** ≤ 30 ℃ (PF series)
  ≤ 32 ℃ (PB series)
- **Power supply:** AC 220V/50HZ (PB series)
  AC 380V/220V/50HZ (PF series)
- **Cycle:** T=6-8 (h) (the cycle of 100m³ and below PB series is 6h)
- **Cooling water inlet temperature :** ≤32℃
- **Air inlet oil content:** ≤0.1PPm
- **Control mode:** PLC controller
- **Working cycle:** T=8 (h)



Working Principle

Heat of Compression Desiccant Air Dryer make full set of the heat generated by the compressor in the compressed gas to regenerate the adsorbent. For ordinary suction dryers, this part of high-temperature heat source needs to be cooled down before use, so this part of heat is wasted in vain,and the compression heat series dryer makes full use of this part of heat to regenerate adsorbent, which is not only economical the electric heater power consumption required by the micro heat drying machine series is reduced, and the gas consumption at this stage is eliminated. Therefore, this product is a good energy-saving product.

Product Characteristics

- High efficiency and energy saving;
- The pressure dew point can reach-0 C° --40 C;
- Equipped with imported brand PLC controller to realize interlocking function;
- High quality switching valve,stable and reliable, can ensure the integrity of the working process and prolong the working life of component;
- Special adsorbent with high hygroscopicity is selected with uniform shape and size, high strength,low dew point. Less dust and long service life;
- The unique airflow distribution design ensures that the airflow distribution is uniform when the high temperature air is heated & regenerated ,and also the low temperature air is adsorbed, so that the adsorbent at the edge of the desiccant tower can be fully utilized and the tunnel flow effect can be avoided;
- Low pressure loss;
- Three types of drainage function: liquid level, time and manual operation;

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Zero air purge heat of compression desiccant air dryer PB series

Item / Model	Air capacity (Nm³/min)	L (mm)	W (mm)	H (mm)	N.W (Kg)	Desiccant weight (kg)	Air connection pipe diameter	Power consumption (w)	water consumption (m³/h)
SDXY-30PB-I	30	3100	1900	2650	3400	850	DN80	500	30
SDXY-40PB-I	40	3400	2000	2700	4150	990	DN100	500	40
SDXY -50PB-I	50	3400	2000	2790	4400	1300	DN100	500	50
SDXY -60PB-I	60	3600	2300	2922	5200	1670	DN125	500	60
SDXY -80PB-I	80	4000	2400	2985	6300	2050	DN125	500	80
SDXY-100PB-I	100	4300	2800	3037	7200	2540	DN150	500	106
SDXY -120PB-I	120	4600	2800	3154	8800	3600	DN150	500	94
SDXY -150PB-I	150	5200	3350	3407	12000	4900	DN200	500	118
SDXY -180PB-I	180	5400	3350	3463	13200	5600	DN200	500	142
SDXY -200PB-I	200	5500	3400	3535	15600	6400	DN200	500	156
SDXY -220PB-I	220	5700	3400	3575	16500	7150	DN200	500	170
SDXY -250PB-I	250	Detailed parameters to consult manufacturer							
SDXY -300PB-I	300	Detailed parameters to consult manufacturer							
SDXY -350PB-I	350	Detailed parameters to consult manufacturer							
SDXY -400PB-I	400	Detailed parameters to consult manufacturer							

Design working conditions: working pressure: 8bar, air inlet temperature: 120℃,pressure dew point: 0℃ ~ -20℃
Note: SDXY-450PB-I to SDXY-700PB-I detailed parameters to consult manufacturer

Zero air purge heat of compression desiccant air dryer PF series

Item / Model	Air capacity (Nm³/min)	L (mm)	W (mm)	H (mm)	N.W (Kg)	Desiccant weight (kg)	Air connection pipe diameter	Power consumption (w)	water consumption (m³/h)
SDXY-30PF-I	30	3100	1900	2650	3500	850	DN80	Detailed parameters to consult manufacturer	
SDXY-40PF-I	40	3400	2000	2760	4600	1300	DN100	Detailed parameters to consult manufacturer	
SDXY-50PF-I	50	3400	2000	2850	4800	1300	DN100	Detailed parameters to consult manufacturer	
SDXY-60PF-I	60	3600	2300	3020	5400	1670	DN125	Detailed parameters to consult manufacturer	
SDXY-80PF-I	80	4000	2400	3083	6900	2540	DN125	Detailed parameters to consult manufacturer	
SDXY-100PF-I	100	4600	2800	3160	7900	3050	DN150	Detailed parameters to consult manufacturer	
SDXY-120PF-I	120	4600	2800	3201	9200	3600	DN150	Detailed parameters to consult manufacturer	
SDXY-150PF-I	150	6200	3350	3407	12300	4900	DN200	Detailed parameters to consult manufacturer	
SDXY-180PF-I	180	6400	3350	3463	13500	5600	DN200	Detailed parameters to consult manufacturer	
SDXY-200PF-I	200	6500	3400	3535	16000	6400	DN200	Detailed parameters to consult manufacturer	
SDXY-220PF-I	220	6700	3400	3575	17000	7150	DN200	Detailed parameters to consult manufacturer	
SDXY-250PF-I	250	Detailed parameters to consult manufacturer							
SDXY-300PF-I	300	Detailed parameters to consult manufacturer							

Design working conditions: working pressure: 8bar, inlet air temperature: 120 ℃, pressure dew point: -40 ℃
Note: SDXY-350PF-I to SDXY-700PF-I detailed parameters to consult manufacturer

SDXG Series

Blower Purge Heat Regeneration Desiccant Air Dryer

Applicable Working Conditions

- **Max air inlet temperature:** 45℃
- **Working pressure range:** 0.5-1.0Mpa
- **Pressure dew point:** -20 ℃ ~ -40 ℃
- **Pressure loss:** ≤ 3% of design working pressure
- **Oil content of intake air:** ≤0.1ppm
- **Control mode:** PLC control
- **Power supply:** AC 380v/220v/50hz
- **Cycle:** T=8(h)



Working Principle

The blower is used to extract the ambient air, which is heated to regenerate the desiccant in the adsorption tower, so as to avoid the gas consumption loss of the slightly heated regenerative adsorption dryer in the heating stage. In the cold blowing stage, the blower is used for internal circulation, and the gas is cooled after aftercooling. At the same time, because the air blast heat adsorption dryer does not consume gas during heating regeneration, it saves energy to a greater extent.

Product Characteristics

- High efficiency and energy saving;
- The pressure dew point can reach -20 ℃ ~-40 ℃;
- Equipped with PLC controller with excellent performance, which can realize interlocking function;
- The high-quality switching valve is stable and reliable, which can ensure the integrity of the workflow and prolong the working life of components;
- Special adsorbent with high hygroscopicity is selected, with uniform shape and size, high strength, low output dew point, less dust and long service life;

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Blower purge heat regeneration desiccant compressed air dryer PB series

Item / Model	Air capacity (Nm3/min)	Air connection pipe size	Heater power (KW)	Blower power (KW)	Desiccant weight(kg)	N.W (Kg)	L (mm)	W (mm)	H (mm)
SDXG-15PB	16	DN65	10	2.2	486	1100	1600	1184	2419
SDXG-20PB	22	DN65	12	5.5	606	1300	1650	1294	2445
SDXG-25PB	26.8	DN80	15	5.5	716	1800	1800	1390	2510
SDXG-30PB	32	DN80	18	5.5	860	2000	1850	1425	2538
SDXG-40PB	43.5	DN100	22	7.5	1158	2100	2060	1576	2633
SDXG-50PB	53	DN100	27	9	1400	2800	2170	1763	2726
SDXG-60PB	67	DN125	36	9	1625	3700	2546	1826	2842
SDXG-80PB	90	DN125	42	9	2457	4900	2646	2013	2946
SDXG-100PB	110	DN150	54	13	2945	5700	3250	2000	3087
SDXG-120PB	130	DN150	72	13	3670	7600	3350	2100	3153
SDXG-150PB	160	DN200	84	13	4705	11000	3800	2300	3428
SDXG-200PB	210	DN200	96	18.5	6160	15000	4700	2528	3532

Design working conditions: working pressure: 7bar, air inlet temperature: 38℃, pressure dew point: -20°C

Blower purge heat regeneration desiccant compressed air dryer PF series

Item / Model	Air capacity (Nm3/min)	Air connection pipe size	Heater power (KW)	Blower power (KW)	Desiccant weight(kg)	N.W (Kg)	L (mm)	W (mm)	H (mm)
SDXG-15PF	16	DN65	10	2.2	486	1100	1600	1184	2419
SDXG-20PF	22	DN65	15	5.5	606	1350	1650	1294	2446
SDXG-25PF	26.8	DN80	15	5.5	716	1800	1800	1390	2510
SDXG-30PF	32	DN80	18	5.5	860	2000	1850	1425	2538
SDXG-40PF	43.5	DN100	22	7.5	1158	2100	2060	1576	2633
SDXG-50PF	53	DN100	36	9	1400	2950	2370	1763	2802
SDXG-60PF	67	DN125	36	9	1625	3700	2546	1826	2842
SDXG-80PF	90	DN125	42	9	2457	4900	2646	2013	2946
SDXG-100PF	110	DN150	72	13	2945	5800	3250	2000	3087
SDXG-120PF	130	DN150	72	13	3760	7600	3350	2100	3153
SDXG-150PF	160	DN200	84	13	4705	11000	3800	2300	3428
SDXG-200PF	210	DN200	96	18.5	6160	15000	4700	2528	3532

Design working conditions: working pressure: 7bar, air inlet temperature: 38℃, pressure dew point: -40°C

SDXG Series

Zero Air Purge Blower Heat Regeneration Desiccant Compressed Air Dryer

Applicable Working Conditions

- **Max air inlet temperature:** 45℃
- **Working pressure range:** 0.5-1.0Mpa
- **Pressure dew point:** -20 ℃ ~ -40 ℃
- **Pressure loss:** ≤ 3% of design working pressure
- **Cooling water inlet temperature:** ≤32℃
- **Oil content of inlet air:** ≤0.1PPm
- **Control mode:** PLC control
- **Power supply:** AC 380v/220v/50hz
- **Cycle time:** T=8(h)

Working Principle

A blower is used to extract ambient air, and after heating, the desiccant of the adsorption tower is regenerated, which avoids the air consumption loss of the micro-heat regenerative adsorption dryer. It has no air consumption, which is especially suitable for occasions requiring small regeneration air consumption, energy is saved in a greater extent.

Product Characteristics

- High efficiency and energy saving;
- Working pressure dew point -20℃~-40℃;
- Equipped with PLC controller with excellent performance, which can realize chain function;
- High-quality switching valve, stable and reliable, can ensure the integrity of the work process and prolong the working life of components;
- Choosing Special adsorbents with high hygroscopic uniform shape and size, high strength, low output dew point, less dust generated, and long service life;

Zero purge blower heat regeneration desiccant compressed air dryer PB Series

Item / Model	Air capacity (Nm³/min)	Air connection pipe size	Heater power (KW)	Blower power (KW)	Desiccant weight(kg)	N.W (Kg)	L (mm)	W (mm)	H (mm)	water consumption (m³/h)
SDXG-15PB-I	16	DN65	10	2.2	486	1300	1600	1480	2419	1.2
SDXG-20PB-I	22	DN65	12	5.5	606	1500	1650	1561	2441	1.2
SDXG-25PB-I	26.8	DN80	15	5.5	716	2000	1800	1585	2513	1.6
SDXG-30PB-I	32	DN80	18	5.5	860	2200	1850	1609	2538	2.2
SDXG-40PB-I	43.5	DN100	22	7.5	1158	2300	2060	1808	2657	3.3
SDXG-50PB-I	53	DN100	27	9	1400	3000	2170	2019	2726	3.3
SDXG-60PB-I	67	DN125	36	9	1625	4200	2546	2199	2831	5.5
SDXG-80PB-I	90	DN125	42	9	2457	5400	2646	2385	2935	5.5
SDXG-100PB-I	110	DN150	54	13	2945	6100	3250	2462	3087	9
SDXG-120PB-I	130	DN150	72	13	3670	8100	3350	2512	3153	9
SDXG-150PB-I	160	DN200	84	13	4705	11600	3800	2742	3428	9
SDXG-200PB-I	210	DN200	96	18.5	6160	16000	4700	2578	3532	13

Design working conditions: working pressure: 7 bar, air inlet temperature: 38℃, pressure dew point: -20° C

Zero purge blower heat regeneration desiccant compressed air dryer PF Series

Item / Model	Air capacity (Nm³/min)	Air connection pipe size	Heater power (KW)	Blower power (KW)	Desiccant weight(kg)	N.W (Kg)	L (mm)	W (mm)	H (mm)	water consumption (m³/h)
SDXG-15PF-I	16	DN65	10	2.2	486	1300	1600	1480	2419	1.2
SDXG-20PF-I	22	DN65	15	5.5	606	1550	1650	1494	2443	1.2
SDXG-25PF-I	26.8	DN80	15	5.5	716	2000	1800	1585	2513	1.6
SDXG-30PF-I	32	DN80	18	5.5	860	2200	1850	1609	2538	2.2
SDXG-40PF-I	43.5	DN100	22	7.5	1158	2300	2060	1808	2657	3.3
SDXG-50PF-I	53	DN100	36	9	1400	3150	2370	2042	2802	3.3
SDXG-60PF-I	67	DN125	36	9	1625	4200	2546	2199	2831	5.5
SDXG-80PF-I	90	DN125	42	9	2457	5400	2646	2385	2935	5.5
SDXG-100PF-I	110	DN150	72	13	2945	6200	3250	2462	3087	9
SDXG-120PF-I	130	DN150	72	13	3670	8100	3350	2512	3153	9
SDXG-150PF-I	160	DN200	84	13	4705	11600	3350	2742	3428	9
SDXG-200PF-I	210	DN200	96	18.5	6160	16000	4700	2578	3532	13

Design working conditions: working pressure: 7 bar, air inlet temperature: 38℃, pressure dew point: -40° C

SDXM Series

Heatless modular desiccant air dryer

Product Introduction

- Integrated design, the touch screen and PLC into one, reduce the connection, more stable performance, wiring more simple
- 7-inch 32-bit true color touch screen
- Special PLC controller
- Standard RS485 communication interface, easy to control
- Optional Ethernet / can communication interface

Working condition and technical index

- Work pressure: 0.7-1.0 MPa
- Pressure dew point: ≤40°C

Product specifications

Item / Model	Air capacity (Nm³/min)	Weight of desiccant (kg)	Diameter of air nozzle	N.W (kg)	L (mm)	W (mm)	H (mm)
SDXM-1W	1.2	12.5	G1"	37	470	225	865.5
SDXM-1.5W	1.8	18.75	G1"	46	470	225	1215.5
SDXM-2W	2.5	25	G1"	55	470	225	1565.5
SDXM-3W	3.6	37.5	G1"	78	520	270	1215.5
SDXM-4.5W	5	50	G1"	98	520	270	1735
SDXM-8W	8.5	75	G2"	225	795	448	1735
SDXM-10W	10.9	100	G2"	265	930	448	1735
SDXM-15W	16.5	125	G2"	305	1065	448	1735
SDXM-20W	22	200	G1-1/2"	425	1470	448	1735
SDXM-25W	26.8	250	G1-1/2"	505	1740	448	1735
SDXM-30W	32	275	G1-1/2"	545	1875	448	1735
SDXM-35W	38.5	350	G3"	765	1335	722	1735
SDXM-40W	43.5	400	G3"	845	1470	722	1735

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SDZF(W) Series

Combined Low Dew Point Compressed Air Dryer

Working Principle

The combined low dew point dryer is composed of a refrigerated compressed air dryer and an adsorption (non heated or heated) compressed air dryer through reasonable pipeline connection and volume matching. The refrigerated compressed air dryer has very strong water removal capacity, low operation energy consumption and no air loss. Combined with the adsorption compressed air dryer, which can achieve low dew point, it can give full play to the advantages of both.

Product Characteristics

- Low dew point: the combined low dew point dryer can reach a very low pressure dew point, which can reach below -40 ℃ in general and -70 ℃ at least according to different user requirements;
- It can provide compressed air with different dew points for different gas consumption points;
- All operating switches of the combined low dew point compressed air dryer and some display instruments of the cold dryer are centralized on the panel of the box plate. The refrigerated compressed air dryer and the adsorption regenerative compressed air dryer can operate independently or simultaneously cold and suction according to the needs of customers;
- The gas-liquid separator adopts the self-designed three-stage separation method: direct impact separation + low-speed centrifugal separation + stainless steel wire mesh demisting separation. 99.9% of the liquid water is separated from the cooled compressed air to prevent the secondary evaporation of water and ensure the low dew point quality of the product gas;
- The high-quality switching valve is stable and reliable, which can ensure the integrity of the workflow and prolong the working life of components;
- The fully or semi enclosed refrigeration compressors of Danfoss (Denmark), Fusheng (Taiwan), Panasonic (Japan), Bitzer (Germany), Copeland (Germany) and MANEUROP(France) are used as the refrigeration compressors, with stable operation, low noise, high cop, reliable performance and long power saving life;

Air cooled

Applicable working conditions

- Max air inlet temperature: 45℃
- Ambient temperature range: 5℃ -50℃
- Pressure dew point: -20℃~-40℃
- Pressure range: 0.6-1.0mpa
- Oil content of intake air : ≤0.1PPm
- Cooling method: air cooled
- Power supply: 1-12nm³/min:AC 220V/50HZ
  15Nm³/Min and above:AC 380v/220v/50hz
  Cycle:t=40(min)
- Refrigerant: R22 (R407c/R134a optional)

Design working conditions

- Inlet air temperature: 38 ℃
- Ambient temperature: 38 ℃
- Working pressure: 0.7MPa
- Pressure loss: ≤5% of design pressure

Note: Air cooled equipment above 80 cubic meters are split bare machines, and SDZF-80-E is a bare machine, but not split.

air-cooled combined low dew point compressed air dryers

Item / Model	Air capacity (Nm3/min)	Desiccant weight (kg)	Air connection pipe size	Air volume (Nm3/h)	Fan power (W) Voltage (V)	N.W (Kg)	L (mm)	W (mm)	H (mm)
SDZF-1	1.2	25	G1"	745	1×50 220	400	1080	850	1460
SDZF-2	2.5	40	G1"	745	1×50	220	440	1100	900	2050
SDZF-3	3.6	60	G1"	1330	1×100	220	460	1200	1000	1808
SDZF-4.5	5	85	G1 1/2"	2670	1×135	220	660	1290	1030	2263
SDZF-6	6.8	105	G1 1/2"	4500	1×230	220	775	1500	1105	1931
SDZF-8	8.5	150	G2"	5340	2×135	220	970	1500	1240	2016
SDZF-10	10.9	185	G2"	5340	2×135	220	1120	1500	1240	2316
SDZF-12	12.8	185	G2"	5340	2×135	220	1120	1500	1240	2316
SDZF-15	16	310	DN65	7600	2×190	380/220	1700	1960	1450	2360
SDZF-20	22	395	DN65	7600	2×190	380/220	1800	1980	1600	2460
SDZF-25	26.8	492	DN80	9000	2×230	380/220	2100	2270	1700	2462
SDZF-30	32	600	DN80	9000	2×230	380/220	2300	2420	1780	2520
SDZF-40	43.5	725	DN100	12500	2×420	380/220	2700	2100	2340	2673
SDZF-50	53	855	DN100	13500	3×230	380/220	2900	2100	2390	2687
SDZF-60	67	1005	DN125	18750	3×420	380/220	3350	2250	2600	2814
SDZF-80	90	1335	DN125	25000	4×420	380/220	4200	2640	2600	2873

Water-cooled

Applicable working conditions

- Max air inlet temperature: 45℃
- Ambient temperature range: 5 ℃ -50 ℃
- Pressure dew point: -20℃~-40℃
- Pressure range: 0.6-1.0mpa
- Oil content of intake air : ≤0.1PPm
- Cooling water pressure range: 0.2-0.4MPa

Design working conditions

- Inlet air temperature: 38 ℃
- Ambient temperature: 38 ℃
- Working pressure: 0.7MPa

- Cooling method: water cooled (industrial circulating cooling water)
- Power supply: 6-12Nm³/min: AC 220V/50HZ
  15Nm³/min and above: AC 380V/220V/50HZ
- Refrigerant: R22 (R407c/R134a optional)
- Period : T=40(min)

- Cooling water inlet temperature: 32℃
- Pressure loss: ≤5% of design pressure
- Note : Air cooled equipment above 80 cubic meters are split bare machines, and SDZF-80-E is a bare machine, but not split.

Water-cooled combined low dew point compressed air dryers

Item / Model	Air capacity (Nm3/min)	Desiccant weight (kg)	Air connection pipe diameter	Cooling Water pipe diameter	water consumption (m3/h)	Voltage (V)	N.W (Kg)	L (mm)	W (mm)	H (mm)
SDZW-6	6.8	105	G1 1/2"	R1"	1.2	220	760	1500	1160	1940
SDZW-8	8.5	150	G2"	R1"	1.2	220	960	1500	1100	2016
SDZW-10	10.9	185	G2"	R1"	1.6	220	1120	1500	1240	2316
SDZW-12	12.8	185	G2"	R1"	1.8	220	1120	1500	1240	2316
SDZW-15	16	310	DN65	R1"	2	380/220	1700	1650	1450	2360
SDZW-20	22	395	DN65	R1 1/2"	3	380/220	1700	1650	1550	2460
SDZW-25	26.8	492	DN80	R1 1/2"	3.6	380/220	1900	1820	1630	2462
SDZW-30	32	600	DN80	R1 1/2"	4.6	380/220	2000	1820	1780	2520
SDZW-40	43.5	725	DN100	R1 1/2"	5.6	380/220	2500	2100	2100	2673
SDZW-50	53	855	DN100	R1 1/2"	7.2	380/220	2800	2100	2150	2687
SDZW-60	67	1005	DN125	R1 1/2"	9.2	380/220	3200	2250	2350	2814
SDZW-80	90	1335	DN125	R1 1/2"	10.8	380/220	4000	2200	2435	2873
SDZW-100	110	2155	DN150	R1 1/2"	12.4	380/220	6550	2680	2670	2985
SDZW-120	130	2650	DN150	R2"	14.6	380/220	7810	2820	2800	3041
SDZW-150	160	3205	DN200	R2"	16.2	380/220	8500	3290	3130	3190
SDZW-200	210	3825	DN200	R2 1/2"	18.6	380/220	9600	3350	3375	3309
SDZW-250	260	5260	DN250	R2 1/2"	24.4	380/220	Detailed parameters to consult manufacturer			
SDZW-300	315	6160	DN250	R3"	30.5	380/220	Detailed parameters to consult manufacturer			

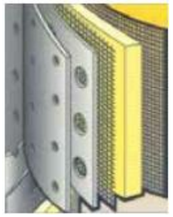
SAGL Series

Compressed Air Filter

HC level（HF9 level）Main line filter

Characteristics:

- The first section consists of a removable stainless steel mesh core, which uses centrifugal force to separate solid particles and liquid particles of 10μm or larger.
- In the second section, 3um or larger solid particles and liquid particles are completely filtered by replaceable glass fiber, and the water is brought to the bottom of the filter and discharged by gravity.
- The inner and outer filter elements are corrosion-resistant.
- Residual oil mist content 5PPm.
- Optional accessories: differential pressure gauge.



HF level（HF3 level）High efficiency ultra precision filter

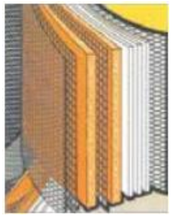
Characteristics:

- The inner and outer filter elements are corrosion-resistant.
- Film coated closed sponge sleeve for pre filtration and air dispersion.
- The density of multi-layer rectangular composite glass fiber with special design can filter 0.01μm solid particles and liquid particles.
- Residual oil mist content 0.003PPm。
- Optional accessories: differential pressure gauge.

HT level（HF7 level）Oil mist filter

Characteristics:

- Multi layer glass fiber and complete filtration of solid particles and liquid particles of 1μm or larger, with the function of reducing pressure drop
- The filtered air from the porous external cylinder flows quickly to the filter outlet.
- The inner and outer filter elements are corrosion-resistant.
- Residual oil mist content 1PPm.
- Optional accessories: differential pressure gauge.



HH level（HF1 level）Deodorization filter

Characteristics:

- The inner and outer filter elements are corrosion-resistant.
- Most of the oil vapor is filtered by the extremely fine activated carbon powder stabilizing layer.
- Specially designed composite fiber medium is bonded with micro fine activated carbon powder to filter 0.01μm solid particles and liquid particles.
- The composite fiber layer prevents the displacement of activated carbon particles, and the outer coating closed sponge net cylinder prevents the migration of fibers.
- Under rated operating conditions, the design life is up to 2000 hours. The residual content of oil mist is 0.003ppm.
- Optional accessories: differential pressure gauge.

HA level（HF5 level）Micro oil mist filter

Characteristics:

- Internal elastic sponge has pre filtering function.
- The density, diameter and surface treatment of micro glass fiber with special design can filter 0.01μm solid particles and liquid particles.
- The external sponge layer absorbs and discharges the oil mist.
- The inner and outer filter elements are corrosion-resistant.
- Residual oil mist content 0.01PPm。
- Optional accessories: differential pressure gauge.

SAGL Series Compressed Air Filter

Item / Model	Air capacity (Nm³/min)	Filter Elements Quantity	Connection pipe	Overall A(mm)	B(mm)	Dimension C(mm)	Weight (kg)	Outline Drawing
SAGL-0.5*	0.65	1	G1″	337	125	361	1.9	Picture1
SAGL -1*	1.2	1	G1″	337	125	361	1.9	
SAGL -2*	2.5	1	G1″	337	125	361	1.9	
SAGL -3*	3.6	1	G1″	337	125	361	1.9	
SAGL -4.5*	5.0	1	G1-1/2″	444	152	475	3.4	
SAGL -6*	6.8	1	G1-1/2″	444	152	475	3.4	
SAGL -8*	8.5	1	G2″	595	160	632	5.3	
SAGL -10*	10.9	1	G2″	595	160	632	5.3	
SAGL -12*	12.8	1	G2″	595	160	632	5.3	
SAGL -15*	16	1	DN65	Φ159	399	950	49	Picture2
SAGL -20*	22	1	DN65	Φ159	399	1100	53	
SAGL -25*	26.8	1	DN80	Φ159	399	1250	59	
SAGL -30*	32	2	DN80	Φ219	459	985	67	
SAGL -40*	43.5	2	DN100	Φ219	459	1130	75	
SAGL -50*	53	3	DN100	Φ273	513	1190	109	
SAGL -60*	67	3	DN125	Φ273	513	1190	114	
SAGL -80*	90	4	DN125	Φ325	565	1220	132	
SAGL-100*	110	5	DN150	Φ377	637	1290	177	
SAGL-120*	130	5	DN150	Φ377	637	1445	187	
SAGL-150*	160	7	DN200	Φ462	762	1630	215	
SAGL-200*	210	9	DN200	Φ462	762	1630	216	
SAGL-250*	260	11	DN250	Φ512	812	1760	271	
SAGL-300*	310	13	DN250	Φ562	862	1810	310	
SAGL-350*	350	16	DN300	Φ662	962	1925	397	
SAGL-400*	400	18	DN300	Φ662	962	1935	398	
SAGL-450*	450	20	DN350	Φ712	1012	2000	462	
SAGL-500*	500	23	DN350	Φ712	1012	2000	500	
SAGL-550*	550	26	DN400	Φ816	1116	2005	560	
SAGL-600*	600	28	DN400	Φ816	1116	2005	600	

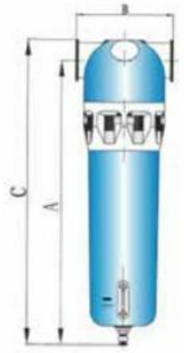


Figure I

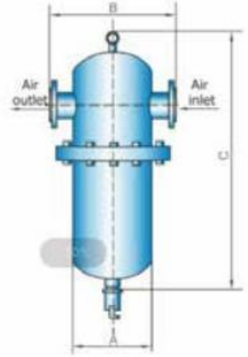


Figure II

Performance Parameter

PProduct level	PAccuracy	Oil content	PInitial pressure drop	P(compressedstate) Inlet challenge concentration
HC（HF9）	3μm	5ppm	0.007MPa	N/A
HT（HF7）	1μm	1ppm	0.007MPa	10PPm
HA（HF5）	0.01μm	0.01ppm	0.01MPa	3PPm
HF（HF3）	0.01μm	0.003ppm	0.01MPa	0.1PPm
HH（HF1）	0.01μm	0.003ppm	0.01MPa	0.1PPm

Pressure Correction Coeffocoent

Pressure（MPa）	Correction Coefficient	Pressure（MPa）	Correction Coefficient
0.1	0.25	1.0	1.0
0.2	0.375	1.3	1.0
0.3	0.5	1.6	1.33
0.4	0.625	2.0	1.33
0.5	0.75	2.5	
0.7	1.0		

Note:

“*” represents the product level: HC、HT、HA、HF、HH.

The production of this series of precision filters and filter elements adopts the technology of American Hankison company.

The filter element accuracy is based on ISO8573.

It shall be noted when ordering that the processing capacity under different pressure conditions shall be corrected according to the coefficient in the correction coefficient table.

SAZJ Series

Self Cleaning Air Compressor Suction Filter

Product Introduction

Self cleaning air filter is a new product developed in developed countries, Compared with the traditional air filter equipment, the advantages of self-cleaning air filter are simple structure, long service life of filter elements(filter cartridge) and small maintenance workload.

The self-cleaning air filter designed and manufactured by our company has absorbed the experience of similar foreign products, and has the full-automatic control of filter element back blowing and self-cleaning function. The core component of the filter cartridge is imported famous brand products, and the front primary pass device is added to further improve the service life of the filter cartridge. This product is the latest and most advanced air filter in China.

Product Characteristics

- Using good performance controller.
- Automatic back-blowing and self-cleaning according to the pressure difference, and a manual back-blowing function to keep the filter cartridge clean;
- Filter pressure loss:initial ≤270Pa;
- Equipped with a pre-filter device to improve the air intake of the filter cartridge and ensure the service life of the filter cartridge;
- Equipped with a pressure loss digital display controller, the display part can be introduced into the room, and the pressure loss parameter when starting back blowing can be undefined, and with an alarm output;
- The pressure loss display controller can provide 4mA-20mA DC signal to the compressor control system.

Item / Model	Air capacity (Nm³/min) Suction status	Initial Resistance (Pa)	Filter efficiency/ diameter	Blow-black pressure (MPa)	Air consumption (m³/min)	Electric power (W)	L (mm)	W (mm)	H (mm)	N.W (t)	Outlet flange Diameter
SAZJ-40	80~100	≤150			0.1	100	1580	1190	3000	0.8	DN300
SAZJ-60	120~150	≤150			0.1	100	1580	1640	3050	1.0	DN350
SAZJ-100	200~250	≤150			0.1	100	2009	1640	3100	1.2	DN400
SAZJ-120	240~300	≤200			0.1	100	2009	2090	3150	1.5	DN450
SAZJ-160	320~380	≤200			0.1	100	2439	2090	3150	1.65	DN500
SAZJ-200	400~480	≤270			0.1	100	2869	2090	3200	2.0	DN600
SAZJ-250	500~580	≤270			0.1	100	3304	2030	3300	2.2	DN700
SAZJ-300	600~680	≤270		0.5~0.8	0.1	100	2874	2460	3300	2.3	DN700
SAZJ-350	700~780	≤270			0.2	200	3109	2650	3400	2.6	DN800
SAZJ-400	800~880	≤270	100%/3μm		0.2	200	3779	2650	3540	3.2	DN900
SAZJ-450	900~980	≤270			0.2	200	4209	2650	3540	3.8	DN900
SAZJ-500	1000~1180	≤270			0.2	200	4639	2650	3640	4.0	DN1000
SAZJ-600	1200~1380	≤270			0.3	200	4080	4060	3840	5.4	DN1100
SAZJ-800	1600~1750	≤270			0.3	200	4900	4490	4040	7.8	DN1300
SAZJ-1000	2000~2300	≤270			0.4	200	4900	5350	4240	8.6	DN1500
SAZJ-1200	2400~2700	≤270			0.4	200	5940	5020	4340	11.5	DN1600
SAZJ-1500	3000~3500	≤270			0.5	200	7140	5020	4440	12.6	DN1700

SAYF Series

T-type Compressed Air Oil Water Separator

Product Introduction

When the mixed gas containing solid particles, liquid oil, water and other impurities enters the oil-water separator, it is guided by our company's newly developed patented product 'spinner', and then it is centrifuged at high speed to the wall of the cylinder, and the water tank is collected by gravity sedimentation. , Liquid oil and water mixed with solid particles are discharged through the drain pipe.

Technical Specifications

- Inlet air pressure: 0.6-1.0 MPa
- Inlet air temperature: ≤65℃
- The initial pressure drop: ≤0.003Mpa
- Water out rate: ≥99%

Note: The above parameters pressure technical standard 0.7Mpa

Production Advanteges

- 99% high performance
- Large Flow
- Patent design
- Remove pipe rust and debris
- Low pressure drop
- Less alkali maintenance

T-type compressed air oil water separator

Item / Model	Air capacity (Nm³/min)	Air connection pipe diameter	A (mm)	Size B (mm)	C (mm)	N.W (kg)
SAYF-1	1.2	G1"	337	125	361	1.9
SAYF-2	2.5	G1"	337	125	361	1.9
SAYF-3	3.6	G1"	337	125	361	1.9
SAYF-4.5	5.0	G1-1/2"	444	152	475	3.4
SAYF-6	6.8	G1-1/2"	444	152	475	3.4
SAYF-8	8.5	G2"	595	160	632	5.3
SAYF-10	10.9	G2"	595	160	632	5.3
SAYF-12	12.8	G2"	595	160	632	5.3
SAYF-15	16	DN65	219	420	770	39
SAYF-20	22	DN65	219	420	770	40
SAYF-25	26.8	DN80	273	510	950	63
SAYF-30	32	DN80	273	510	950	63
SAYF-40	43.5	DN100	325	560	1050	90
SAYF-50	53	DN100	377	620	1080	106
SAYF-60	67	DN125	412	700	1200	114
SAYF-80	90	DN125	462	730	1300	136
SAYF-100	110	DN150	462	760	1380	152
SAYF-120	130	DN150	512	800	1415	172
SAYF-150	160	DN200	562	900	1610	226
SAYF-200	210	DN200	662	1000	1660	279
SAYF-250	250	DN250	712	1050	1885	327
SAYF-300	310	DN250	812	1150	1990	428
SAYF-350	350	DN300	862	1200	2200	513
SAYF-400	400	DN300	912	1250	2240	548
SAYF-450	450	DN350	962	1362	2465	666
SAYF-500	500	DN350	1012	1350	2550	729

SAHL Series

Water Cooled High Efficiency Air Cooler

Product Introduction

SAHL series high-efficiency air cooler is the main supporting equipment of air compressor .It is used to cool the high-temperature compressed air produced by the compressor.It adopts high-efficiency finned copper tube , the product has the characteristics of small volume,high cooling efficiency and easy to use.It can be used in high temperature ,high humidity and heavy dust environment.

Technical Specifications

- Air inlet pressure: 0.6-1.0MPa
- Cooling water inlet temperature: ≤32℃
- Air inlet temperature: ≤140℃
- Cooling water inlet pressure: 0.2-0.4Mpa
- Air outlet temperature: ≤45℃
- Initial pressure drop: ≤0.02MPa

Note: The above parameters pressure technical standard 0.7Mpa

Water-cooled type high efficiency air cooler

Item / Model	Air capacity (Nm3/min)	Water consumption (m3/h)	Air connection pipe diameter	Cooling water pipe diameter	H (mm)	Cylinder diamter (mm)	N.W (kg)
SAHL-0.5NW	0.65	0.3	G1/2"	Rc1/2"	955	ф89	28
SAHL-1NW	1.2	0.5	G1"	Rc1	1055	ф89	29
SAHL-2NW	2.5	1	G1"	Rc1"	1305	ф108	34
SAHL-3NW	3.6	1	G1"	Rc1"	1305	ф108	34
SAHL-4.5NW	5.0	1.5	G1-1/2"	Rc1"	1330	ф159	58
SAHL-6NW	6.8	1.5	G1-1/2"	Rc1"	1330	ф159	58
SAHL-8NW	8.5	3	G2"	Rc1-1/2"	1780	ф159	73
SAHL-10NW	10.9	3	G2"	Rc1-1/2"	1780	ф159	73
SAHL-12NW	12.8	3	G2"	Rc1-1/2"	1780	ф159	73
SAHL-15NW	16	4.5	DN65	Rc2"	1657	ф219	120
SAHL-20NW	22	6	DN65	Rc2"	1657	ф219	125
SAHL-25NW	26.8	9	DN80	Rc2"	1663	ф273	189
SAHL-30NW	32	9	DN80	Rc2"	1663	ф273	182
SAHL-40NW	43.5	12	DN100	Rc2-1/2"	2023	ф273	213
SAHL-50NW	53	15	DN100	Rc2-1/2"	2087	ф325	218
SAHL-60NW	67	18	DN125	Rc2-1/2"	2087	ф325	240
SAHL-80NW	90	24	DN125	Rc2-1/2"	2287	ф325	263
SAHL-100NW	110	30	DN150	Rc3"	2413	ф377	370
SAHL-120NW	130	35	DN150	DN100	2520	ф412	450
SAHL-150NW	160	45	DN200	DN100	2620	ф412	495
SAHL-200NW	210	60	DN200	DN100	2845	ф462	637
SAHL-250NW	260	75	DN250	DN125	2910	ф512	772
SAHL-300NW	310	90	DN250	DN125	3210	ф512	850

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SAGX Series

High Efficiency Oil Remover

Product Introduction

This series of products use ultra fine fiber as the main filter material, using cyclone separation, pre-filter and coalescing fine filter three- stage purification, when used with an oil-lubricated compressor, it can obtain a lower oil content than an oil-free compressor The temperament level, and has a very high dust removal ability and a certain dehumidification and drying ability. It is widely used in pneumatic instrument, automatic control and food,medicine, chemical, textile, petroleum, painting, telecommunications,metallurgy, rubber and other industries.

Technical Specifications

- Inlet air pressure: 0.6-1.0MPa
- The initial pressure drop: ≤0.02MPa
- Inlet air temperature: ≤60℃
- Outlet air oil- -content: ≤0.1PPM-0.01PPM

Note: The above parameters pressure technical standard 0.7MPa

High efficiency oil remover

Item / Model	Air capacity (Nm3/min)	Air Connection pipe diameter	H (mm)	Cylinder diameter (mm)	N.W (kg)
SAGX-1	1.2	G1"	1054	φ133	34
SAGX-2	2.5	G1"	1054	φ133	34
SAGX-3	3.6	G1"	1066	φ159	46
SAGX-4.5	5.0	G1-1/2"	1246	φ159	52
SAGX-6	6.8	G1-1/2"	1246	φ159	52
SAGX-8	8.5	G2"	1495	φ219	74
SAGX-10	10.9	G2"	1495	φ219	74
SAGX-12	12.8	G2"	1495	φ219	74
SAGX-15	16	DN65	1590	φ219	90
SAGX-20	22	DN65	1720	φ219	95
SAGX-25	26.8	DN80	1870	φ219	101
SAGX-30	32	DN80	1846	φ273	152
SAGX-40	43.5	DN100	2022	φ325	189
SAGX-50	53	DN100	2238	φ412	255
SAGX-60	67	DN125	2238	φ412	259
SAGX-80	90	DN125	2238	φ412	260
SAGX-100	110	DN150	2363	φ462	309
SAGX-120	130	DN150	2363	φ462	310
SAGX-150	160	DN200	2363	φ462	323
SAGX-200	210	DN200	2363	φ462	326
SAGX-250	260	DN250	2509	φ512	419
SAGX-300	310	DN250	2509	φ566	521

SAGL Series

Dust Fine Filter

Product Introduction

This series of products have the characteristics of small volume, compact structure, high filtration efficiency and convenient use and maintenance. It is designed to provide clean compressed air source for pneumatic control, pneumatic instruments, pneumatic components and industrial gas in chemical, light textile, petroleum, metallurgy, textile, electronics, telecommunications and other industries.

Technical Specifications

- **Inlet pressure:** 0.6-1.0MPa
- **Initial pressure drop:** ≤0.007MPa
- **Inlet temperature:** ≤50° C
- **Outlet gas dust particle size:** ≤1μm

Note: The above parameters pressure technical standard 0.7MPa

Dust fine filter

Item / Model	Air capacity (Nms/min)	Air connection pipe diameter	A(mm)	Overall Dimension B(mm)	C(mm)	N.W (kg)
SAGL-1FC	1.2	G1″	337	125	361	1.9
SAGL-2FC	2.5	G1″	337	125	361	1.9
SAGL-3FC	3.6	G1″	337	125	361	1.9
SAGL-4.5FC	5.0	G1-1/2″	444	152	475	3.4
SAGL-6FC	6.8	G1-1/2″	444	152	475	3.4
SAGL-8FC	8.5	G2″	595	160	632	5.3
SAGL-10FC	10.9	G2″	595	160	632	5.3
SAGL-12FC	12.8	G2″	595	160	632	5.3
SAGL-15FC	16	DN65	Φ159	399	950	49
SAGL-20FC	22	DN65	Φ159	399	1100	53
SAGL-25FC	26.8	DN80	Φ159	399	1250	59
SAGL-30FC	32	DN80	Φ219	459	985	67
SAGL-40FC	43.5	DN100	Φ219	459	1130	75
SAGL-50FC	53	DN100	Φ273	513	1190	109
SAGL-60FC	67	DN125	Φ273	513	1190	114
SAGL-80FC	90	DN125	Φ325	565	1220	132
SAGL-100FC	110	DN150	Φ377	637	1290	177
SAGL-120FC	130	DN150	Φ377	637	1445	187
SAGL-150FC	160	DN200	Φ462	762	1630	215
SAGL-200FC	210	DN200	Φ462	762	1630	216
SAGL-250FC	250	DN250	Φ512	812	1760	271
SAGL-300FC	310	DN250	Φ562	862	1810	310

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Sterilization Filter

Product Introduction

This series of products use refined sanitary stainless steel filter housing and PTFE sterilizing filter element. It is widely used in food,beverage, high-end consumer products, biochemical technology. pharmaceuticals, electronics industry and other fields.

Technical Specifications

- **Air inlet pressure:** 0.6-1.0MPa
- **Initial pressure drop:** ≤0.01MPa
- **Air inlet temperature:** ≤130℃
- **Filtration precision:** 0.01μm

Technical Specifications

Item / Model	SAGL-1CJ	SAGL-3CJ	SAGL-6CJ	SAGL-10CJ	SAGL-15CJ	SAGL-20CJ
Air Capacity (Nm³/min)	1.2	3.6	6.8	10.9	16	22
Element Qty	1	1	1	1	1	1
Air Connection Pipe Diameter	G1/2″	G1″	G1-1/2″	G2″	DN50	DN65
H (mm)	340	340	570	820	950	1080
Air Inlet Spacing (mm)	180	180	240	240	240	260

- **Note:** Sterilization filter need supporting using SAGL-*ZQ type steam filters. Maximum steam sterilization temperature is 125℃, normal filtration temperature is<80℃.