COMPRESSED AIR PURIFICATION COMPLETE UNIT PRODUCTS

Normal Temperature Air-cooled Refrigerant Dryer	High Temperature Air-cooled Refrigerant Dryer	Normal Temperature Water-cooled Refrigerant Dryer	High Temperature Water-cooled Refrigerant Dryer
			

Low Dew Point Air-cooled Refrigerant Dryer	Industrial Chiller	Low Dew Point Combined Dryer	No-heat Desiccant Dryer
			

Micro-heat Desiccant Dryer	Low Dew Point Micro-heat Desiccant Dryer	Zero Power Consumption Dryer Filter Unit	Water-cooling Rear Dryer
			

Efficient Degreaser	Oil-water Separator	Flange Ultra Filter	Aluminium Alloy Ultra Filter
			

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SEIZE ACS

COMPRESSED AIR

PURIFICATION ENERGY-SAVING DRYING SYSTEM

Energy Conservation
Environmental Protection
Cost-effective Performance

Seize Compressor (Shanghai) Co., Ltd.

COMPANY PROFILE

Seize Compressor (Shanghai) Co., LTD is the enterprises which leading domestic in supply air compressor station intelligent system , design, construction, compressed air purification system equipment design, manufacturing and sales ,is the domestic peer product, the quality, the technology, the competitive power enterprise

SEIZE purification system introduce the advanced technology, equipment and components at home and abroad ,adopt exquisite production technology, followed the national quality supervision and management system totally ,a series of products, such as air dryer, no (micro) heat air dryer, combined dryer, rear cooler, industrial cooling machine, precision filter and so on, have been developed ,and be widely praised and honored by customers .

SEIZE products world-widely used in many areas:

Defense Military	Petrochemical	chemical	Metallurgy	Electricity	Machinery	Light Industry
Automobile Manufacturing	Scientific Research Organization	Textile	Food	Pharmacy	Biochemistry	Electronics

Energy Conservation
Environmental Protection
Cost-effective Performance

01 High Quality Compressed Air

Generally ,the compressed air into the air pipe always saturated wet air ,it will be condensed when it cooling, therefor it can damage your air compressor system and product. SEIZE desiccant type air dryer can clean up the water in the air efficiently, dew-point can be lowered to -70℃ under the standard working way. At the same time we can provide many different solutions on gas source purify with your demand.

02 High Reliable Product Design

1.With the mature and durable design, protect the switch valve and desiccant, improve the running life of dryer.
2.Use the high-protection electric design and choose the high quality components, can protect your electrical parts, electrical component, controller, monitor and other equipment overall.
3.Use the advanced control and supervisory system can assure your production efficiency.
4.ISO9000 system, following the international standard testing, ensure the quality of air dryer.

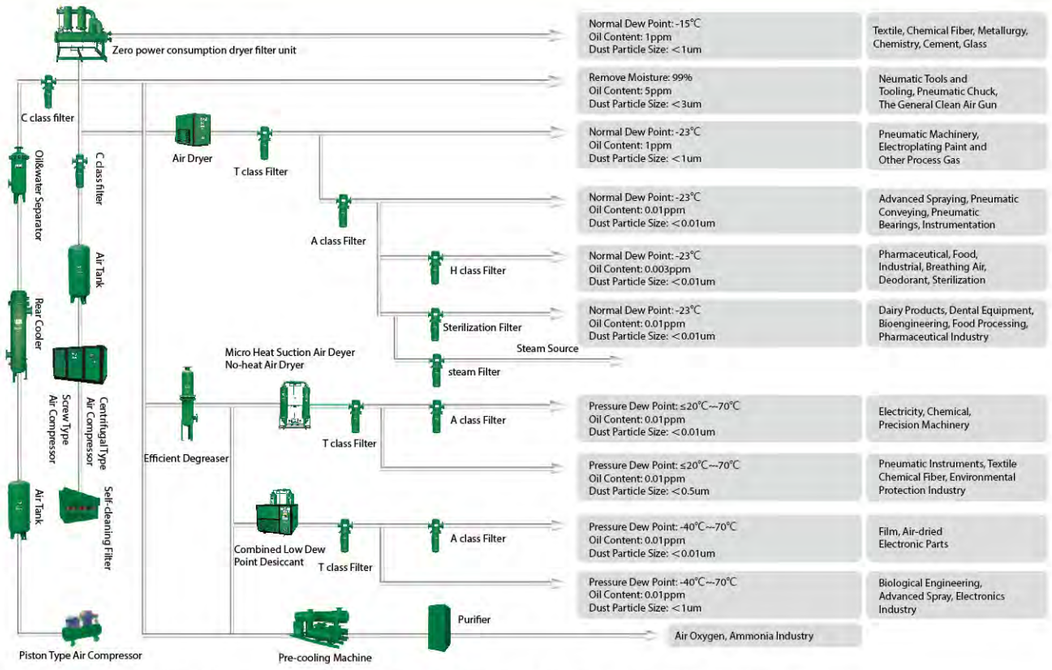
03 High Efficiency, Low Working Cost

Seize desiccant type air dryer adopt every energy saving design :
1.Huge piping and reasonable tower chamber design, minimize its single-tower path pressure, lower the air system energy cost effectively.
2.Temperature control ,rational use of heat in electric heater to avoid waste.
3.Select the dew point control, optimization of desiccant treatment capacity according to actual working conditions to reduce energy consumption.

04 Easy Installation , Long Maintenance Cycle

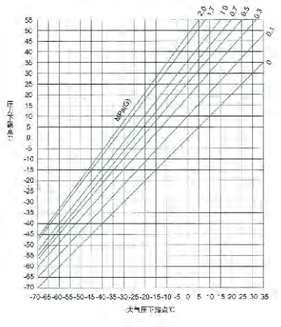
Desiccant with a highly integrated compact design takes up less area, the design of hoist, forklift slot handling is simple to install and operate. All internal parts reasonable placement is easy to maintain, use the professional compressed air desiccant and high durability valves to extend the maintenance cycle.

Compressed Air Purification Equipment Configuration Diagram



Note: The above configuration is for reference only, the specific configuration can be adjusted according to the actual situation.

Pressure Dew Point - Atmospheric Dew Point Conversion Chart



The Method of Calculating the Conversion of Saturation Humidity and Atmospheric Pressure

Example: the air compressor inlet temperature of 30 ℃ (humidity 100%) was compressed 0.69Mpa, and then by the air desiccant cooling 10℃ (pressure), the results actually removed how much water?

- Check the atmospheric dew point - moisture content relationship table: 30 ℃ when the moisture content of 30.3g / m^3
- Check the dew point and atmospheric dew point conversion chart
- Due to 0.69Mpa pressure dew point of 10 ℃
- Converted into an atmospheric dew point of -17 ℃
- The moisture content at -17 ° C is 1.37 g / m^3, so that 30.3-1.37 = 28.93 g / m^3, that is, 28.93 g of water in 1 m^3 of air is removed.

Selection of Freeze Dryer

If the actual conditions of use and sample design conditions, there are deviations, the selection should be based on the actual operating conditions corresponding to select the correction factor for the corresponding correction to select the appropriate amount of drying machine.

Selection of Freeze Dryer

Inlet temperature correction factor								
Inlet temperature℃	Standard N type	25	30	35	40	41	42	45
	High Temperature H Type	50	55	60	65	70	75	80
Correction Factor A		1.15	1.10	1.05	1.00	0.97	0.93	0.85

Use the pressure correction factor							
Working Pressure MPa	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Correction Factor B	0.80	0.88	0.92	1.00	1.05	1.12	1.25

Ambient temperature correction factor							
Ambient Temperature℃	Air-cooled	25	30	32	35	38	40
CorrectionFactor C		1.20	1.15	1.10	1.05	1.00	0.90
Dew Point Requirements℃	Water Cooling	30	32	34			
CorrectionFactor C		1.00	0.97	0.94			

Pressure dew point correction factor					
Dew Point Requirements℃	0	2	5	7	10
Correction Factor D	0.90	1.00	1.10	1.15	1.20

The minimum amount of air capacity to choose air dryer should be equal to: Intake air capacity÷(A*B*C*D)
For instance, intake air capacity is 45m^3/min, intake temperature is 65℃, working pressure is 1.0Mpa, environment temperature is 40℃, pressure dew point is 2℃ and how to choose air-cooled high temperature air dryer?
The minimum amount of air capacity to choose air dryer should be equal to: 45m^3/min÷（1.00*1.25*0.90*1.00）≈40m^3/min, so we should choose the air dryer which has more air capacity than 40m^3/min.（same selection method for water cooling）

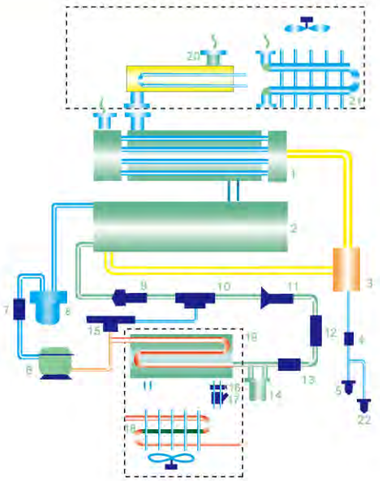
National Standard Compressed Air Quality Level ISO8573-1

Level	Particles	Water	Oil
	Particle Size(um)	Minimum Pressure Dew Point℃	Maximum Contentmgmg/m^3(ppm)
1	0.1	-70	0.01(0.008)
2	1	-40	0.1(0.08)
3	5	-20	1(0.83)
4	15	3	5(4.2)
5	40	7	25（21）

Atmospheric Dew Point - Moisture Content Relationship Table

Dew Point (℃)	Moisture Content (g/m^3)	Dew Point (℃)	Moisture Content (g/m^3)	Dew Point (℃)	Moisture Content (g/m^3)	Dew Point (℃)	Moisture Content (g/m^3)	Dew Point (℃)	Moisture Content (g/m^3)
33	35.7	14	12.07	-5	3.407	-24	0.7678	-43	0.1298
32	33.8	13	11.35	-6	3.169	-25	0.7074	-44	0.1172
31	32.1	12	10.66	-7	2.946	-26	0.6463	-45	0.1055
30	30.3	11	10.01	-8	2.737	-27	0.5922	-46	0.09501
29	28.8	10	9.309	-9	2.541	-28	0.5422	-47	0.08544
28	27.2	9	8.819	-10	2.358	-29	0.496	-48	0.07675
27	25.8	8	8.27	-11	2.186	-30	0.4534	-49	0.06886
26	25.4	7	7.75	-12	2.206	-31	0.4141	-50	0.06171
25	23.1	6	7.26	-13	1.876	-32	0.3779	-51.1	0.054
24	21.8	5	6.797	-14	1.736	-33	0.3445	-53.9	0.04
23	20.6	4	6.36	-15	1.605	-34	0.3138	-56.7	0.029
22	19.4	3	5.947	-16	1.483	-35	0.2856	-59.4	0.021
21	18.3	2	5.559	-17	1.369	-36	0.2597	-62.2	0.014
20	17.3	1	5.192	-18	1.261	-37	0.2359	-65	0.011
19	16.3	0	4.847	-19	1.165	-38	0.2141	-67.8	0.008
18	15.4	-1	4.523	-20	1.074	-39	0.194	-70.6	0.005
17	14.5	-2	4.217	-21	0.9884	-40	0.1757	-73.3	0.003
16	13.6	-3	3.93	-22	0.9093	-41	0.159		
15	12.8	-4	3.66	-23	0.8359	-42	0.1438		

Introduction of Refrigerated Compressed Air Dryers



1. Air Heat Exchanger
2. Evaporator
3. Gas-liquid Separator
4. Drainage Prevention Filter
5. Manual Discharge Valve
6. Refrigeration Compressor
7. Suction Filter
8. Vaporizer
9. Dispenser
10. Gas-liquid Mixer
11. Thermal Expansion Valve
12. Mirror
13. Dry Filter
14. Storage Device
15. Hot Air Bypass Valve
16. Water Control Valve
17. Water Quality Filter
18. Condenser (Water Cooled)
19. Condenser (Air-cooled)
20. Pre-pre-cooler(Water-cooled)
21. Pre-cooler (Air-cooled)
22. Automatic Drain

Characteristics of Refrigerated Compressed Air Dryer

Design Features

- Compressor large, to ensure good cooling effect
- Radiator large, to ensure good heat dissipation

Stable Performance

- Stable exhaust pressure dew point
- Will not produce ice blocking phenomenon
- There will be no water into the compressed air line

Reliable Operation

- Selection of high-quality components, zoom selection
- Simple and reliable design
- Efficient cooling control system (hot gas bypass valve)

Energy-efficient

- Improve the service life and reliability of pneumatic tools and equipment
- Reduce pipeline leakage, reduce energy consumption
- Reduce the number of pneumatic tools, equipment and piping maintenance
- Reduce the number of downtime maintenance
- To make the possibility of the final product quality affected by moisture to a minimum

Easy Installation

- Install directly to run
- Single electrical interface
- All parts are commissioned
- Automatic adjustment
- Less maintenance time
- Maintenance interval is long
- There is little need to replace parts

Customize for You

- Special power requirements
- Special stress requirements
- Special temperature, explosion protection requirements

High (Normal) Temperature Air-cooled Refrigerant Dryer

Inlet Temperature: ≤80℃（45℃）
Inlet Pressure: 0.2-1.3Mpa
Pressure Dew Point: 2~10℃
Cooling Method: Air Cooled
Pressure Loss: ≤0.03Mpa
Refrigerant: R22

Model / Item		SZD-1 HTF	SZD-2 HTF	SZD-3 HTF	SZD-6 HTF	SZD-8 HTF	SZD-10 HTF	SZD-13 HTF	SZD-15 HTF	SZD-20 HT(N)F	SZD-25 HT(N)F	SZD-30 HT(N)F	SZD-40 HT(N)F	SZD-50 HT(N)F	SZD-60 HT(N)F	SZD-70 HT(N)F	SZD-80 HT(N)F	SZD-100 HT(N)F
Air Capacity (Nm^3/min)		1.2	2.4	3.8	6.5	8.5	10.7	13.5	18	25	28	33	45	55	65	75	85	100
Power Supply (V/Hz)		220/50	220/50	220/50	220/50	220/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50
Compressor Power (HP/KW)		1/0.85	1/0.85	1.25/1.0	1.5/1.25	1.5/1.25	3/2.5	3/2.5	3.5/3	5.0/4.0	6.0/4.5	6.5/5.0	10/7.5	12/7.5	12/7.5	14/10	15/12	15/12
Fan Power(W)		55	90	150	190	190	2×150	2×150	2×90(150)	2×90(190)	3×90(150)	3×150(190)	3×190(240)	3×240(380)	4×240(240)	3×170 3×252	5×502	5×502
Air Nozzle Size		ZG1	ZG1	ZG1.5	ZG1.5	ZG1.5	ZG2	ZG2	DN65	DN80	DN80	DN100	DN100	DN125	DN125	DN150	DN150	DN200
Weight(Kg)		48	78	105	125	130	180	192	240	280	380	480	620	780	970	780	980	980
Dimension	L(mm)	630	700	850	880	880	1180	1180	1360	1360	1670	1840	2000	2350	2550	2200	2500	2650
	W(mm)	450	450	500	550	550	670	670	710	710	750	850	950	1050	1100	1320	1300	1380
	H(mm)	640	830	920	1020	1020	1080	1080	1210	1210	1575	1645	1740	1920	1940	1848	1950	2072

High (Normal) Temperature Water-cooled Refrigerant Dryer

Inlet Temperature: ≤80℃（45℃）
Cooling Method: Water Cooled
Inlet Pressure: 0.2-1.3Mpa
Pressure Loss: ≤0.03Mpa
pressure Dew Point: 2~10℃
Cooling Water Inlet Temperature: ≤32℃
Refrigerant: R22
Cooling Water Inlet Pressure: 0.2~0.4Mpa

Model / Item		SZD-10 HT(N)W	SZD-20 HT(N)W	SZD-30 HT(N)W	SZD-40 HT(N)W	SZD-50 HT(N)W	SZD-60 HT(N)W	SZD-70 HT(N)W	SZD-80 HT(N)W	SZD-100 HT(N)W	SZD-120 HT(N)W	SZD-150 HT(N)W	SZD-210 HT(N)W	SZD-260 HT(N)W	SZD-300 HT(N)W
Air Capacity (Nm^3/min)		10.7	25	33	45	55	65	75	85	100	120	160	210	260	300
Power Supply (V/Hz)		380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50
Compressor Power (HP/KW)		3.0/2.5	5.0/4.0	6.5/5.0	10/7.5	12/7.5	12/7.5	12/9.0	15/11.3	20/15	24/18	40/30	50/38	50/38	70/52
Cooling Water Circulation(m^3/h)		3.0(1.8)	7.2(3.6)	11.2(5.9)	14.5(7.2)	19.5(9.2)	21.8(10.8)	22(11)	32(16)	36(18)	40(20)	50(25)	60(30)	80(40)	100(50)
Air Nozzle Size		ZG2	DN80	DN100	DN100	DN125	DN125	DN150	DN200	DN200	DN200	DN200	DN250	DN300	DN300
Condenser Pipe Diameter		ZG1	ZG1.5	ZG1.5	ZG1.5	ZG1.5	ZG1.5	ZG2	ZG2	DN65	DN65	DN65	DN80	DN80	DN80
Weight(Kg)		195	350	560	720	800	1040	780	1080	1480	1680	1890	1960	2060	2960
Dimension	L(mm)	1180	1400	1650	1850	2100	2150	2200	2650	2650	2850	2950	3000	3200	3500
	W(mm)	670	750	950	850	920	980	1320	1200	1300	1300	1500	1500	1600	1720
	H(mm)	1080	1240	1590	1630	1645	1755	1848	1950	1950	2000	2250	2200	2400	2630

Remarks: The above dryers' oulet pipe dia. is standard size. If special size required, it can be customized.

SHD Series Refrigerated Compressed Air Dryers

Working conditions and design data

SHD Series Refrigerated compressed air dryers are use which Heat exchanger assembly and air coneections are all made of 304S stainless steel, with high heat transfer efficiency, corrosion and rust prevention, to avoid secondary pollution to gas quality.

Cooling type: Air-cooling

Capacity: 1~65.0m³/min

Refrigerant: R134A\R410A\R407C

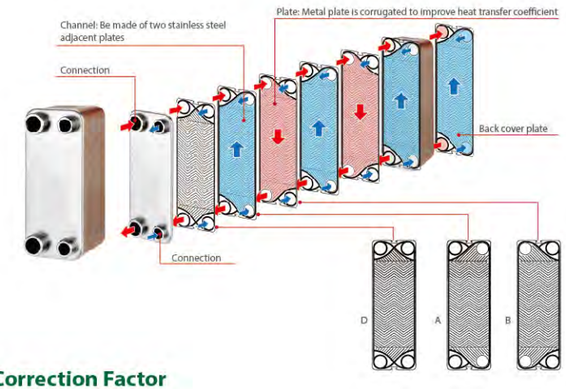
Max. Working pressure: 16 bar

Differential pressure: 0.2 bar

Dew point: 3°C ~ 5°C @PDP
Inlet temp: 3°C ~ 65°C
Ambient temp: 3°C ~ 50°C
Max. inlet temp: 65°C

Features

- Strong dehumidification, compressed air moisture content is lower than similar products in the market, pressure dew point up to 3-5°C.
- Stainless steel plate heat exchanger and air connection pipe.
- 35db low noise and low vibration;
- Energy-saving and fully hermetic compressors use environmentally friendly refrigerant (R134A,R410A or R407)
- Small size and compact structure, save installation space;
- Digital display controller.



SHD Series Refrigerated Compressed Air Dryer Correction Factor

- Inlet Temperature

Temp.	Factor
30°C	1.22
35°C	1.00
40°C	0.83
45°C	0.69
50°C	0.58
55°C	0.49
60°C	0.46
65°C	0.43

- Inlet Pressure (bar)

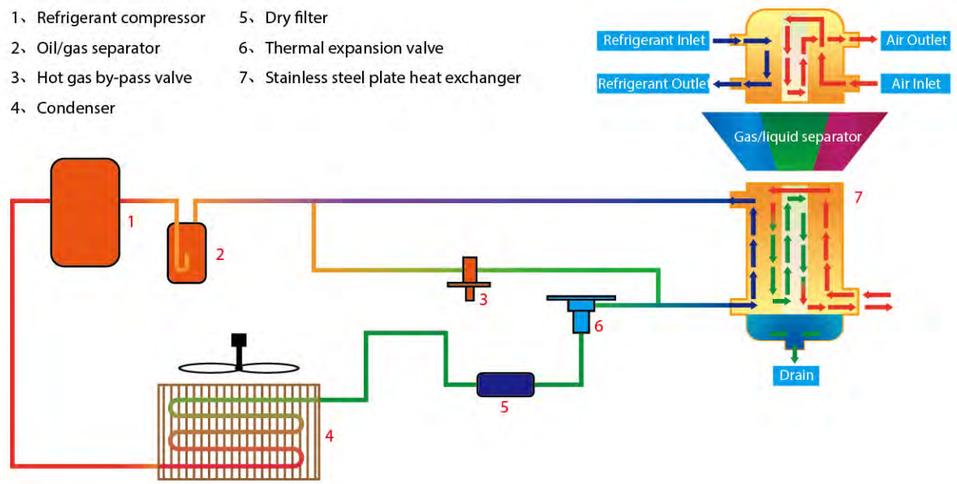
Press.	Factor
5	0.89
6	0.94
7	1.00
8	1.04
9	1.06
10	1.09
11	1.10
12	1.12

- Ambient Temperature

Temp.	Factor
25°C	1.00
30°C	0.95
32°C	0.90
35°C	0.87
40°C	0.82
50°C	0.70

Technical Flow

1、Refrigerant compressor
2、Oil/gas separator
3、Hot gas by-pass valve
4、Condenser
5、Dry filter
6、Thermal expansion valve
7、Stainless steel plate heat exchanger



Technical Specification of SHD Refrigerated Air Dryer

Model	Capacity Nm³/min	Nominal Power KW	Power Supply V/Ph/Hz	Air Connections	Dimensions(mm)			Weight KG
					L	W	H	
SHD-06HTF	0.6	0.5	110/115/220 /1/50(60)	Rc1″	450	250	420	27
SHD-14HTF	1.4	0.8		Rc1″	500	300	525	32
SHD-18HTF	1.8	0.9		Rc1″	520	440	680	50
SHD-24HTF	2.4	1		Rc1″	520	440	680	52
SHD-38HTF	3.8	1.25		Rc1.5″	680	490	830	68
SHD-65HTF	6.5	1.5		Rc1.5″	680	500	830	78
SHD-85HTF	8.5	1.8		Rc1.5″	680	500	830	82
SHD-107HTF	10.7	2.5	220/380/415/440 /3/50(60)	Rc2″	1180	650	955	140
SHD-135HTF	13.5	2.5		Rc2″	1180	650	955	147
SHD-180HTF	18.0	3		DN65	1180	650	955	169
SHD-250HTF	25	5		DN80	1470	700	1360	230
SHD-350HTF	35	6.5		DN100	1800	900	1810	370
SHD-450HTF	45	8.8		DN100	1900	900	1810	590
SHD-550HTF	55	12		DN125	2400	1400	1900	730
SHD-650HTF	65	15		DN125	2500	1420	1995	860

SHDH Series High Pressure Compressed Air Dryer

Working conditions and design data

With the plate heat exchanger, moisture separator, interconnecting piping and flanges, all made from stainless steel to prevent corrosion. Refrigerant gas is ozone friendly R134A or R410A. Dew Point Alarm -option- displayed on compressor control panel and on dryer unit to help maintain the quality and security of the air supplied for blow moulding.

- Cooling type: Air-cooling
- Capacity: 1~25.0m³/min
- Refrigerant: R134A\R410A\R407C
- Max. Working pressure: 40 bar
- Differential pressure: 0.2 bar
- Dew point: 3°C ~ 5°C @PDP
- Inlet temp: 3°C ~ 65°C
- Ambient temp: 3°C ~ 50°C
- Max. inlet temp: 65°C

Features

- Strong dehumidification, compressed air moisture content is lower than similar products in the market, pressure dew point up to 3-5°C.
- Stainless steel plate heat exchanger and air connection pipe.
- Environmentally friendly (R134a,R410a or R407c) refrigerant.
- Small size and compact structure, save installation space.
- Digital display controller.

Technical Specification of SHDH Refrigerated Air Dryer

Model	Capacity Nm³/min	Nominal Power KW	Power Supply V/Ph/Hz	Air Connections	Dimensions(mm)			Weight KG
					L	W	H	
SHDH-1HTF/4.0	1.4	0.8	110/115/220 /1/50(60)	Rc3/4″	580	420	680	32
SHDH-2HTF/4.0	2.4	1		Rc3/4″	630	440	720	50
SHDH-3HTF/4.0	3.8	1.25		Rc3/4″	680	490	750	73
SHDH-6HTF/4.0	6.5	1.5		Rc1-1/2″	700	510	780	84
SHDH-8HTF/4.0	8.5	1.8		Rc1-1/2″	700	510	780	88
SHDH-10HTF/4.0	10.7	2.5	220/380/415/440 /3/50(60)	Rc1-1/2″	1030	620	860	150
SHDH-13HTF/4.0	13.5	2.5		Rc1-1/2″	1030	620	860	155
SHDH-15HTF/4.0	18	3		Rc1-1/2″	1030	620	860	170
SHDH-20HTF/4.0	25	5		DN65	1370	700	1373	210

Stainless Steel 40 bar Air Filter

Working conditions and design data

Max. Operating pressure:	40 bar
Differential pressure:	0.07 bar
Volume flow rate:	1~400 Nm³/min
Operating temp. Range:	1.5~80℃
Service life of element:	6000 hours

Features

- The filter housing adopts the numerical control precision machining and the high temperature pressure test experiment, the materials include 316L, 304 stainless steel, carbon steel and forged aluminum, respectively 4.0mpa, 8.0 mpa different pressure levels.
- This air filter is suitable for special gas, high efficiency, corrosion resistance and high temperature resistance.
- The filter element using imported materials, to achieve efficient precision filtration effect.

Technical Specification of High Pressure Air Filter

Model	Capacity Nm³/min	Air Connections	Dimensions(mm)			Weight KG
			L	W	H	
C\T\A\AA\H-001S/4.0	1.4	Rc1″	98.5	88	280	5.5
C\T\A\AA\H-002S/4.0	2.5	Rc1″	98.5	88	280	5.5
C\T\A\AA\H-003S/4.0	4.2	Rc1-1/2″	125	108	356	8.6
C\T\A\AA\H-006S/4.0	6.5	Rc1-1/2″	125	108	455	11.1
C\T\A\AA\H-008S/4.0	8.5	Rc1-1/2″	125	108	455	12
C\T\A\AA\H-010S/4.0	10.5	Rc2″	120	138	610	18.6
C\T\A\AA\H-013S/4.0	14	DN50	310	133	860	35
C\T\A\AA\H-015S/4.0	18	DN65	310	133	860	38
C\T\A\AA\H-020S/4.0	25	DN80	379	133	1040	65

Introduction of Desiccant Dryer

High quality adsorbent

The new silencer uses high temperature and ultra-fine sound-absorbing glass wool as the main body and the special treatment of imported silencers and other materials from the self-made, so that regeneration noise ≤ 72dB (A)

- The control system adopts single-chip microcomputer program for automatic control, stable and reliable performance (PLC control optional).
- With valve switch automatic display function, friendly man-machine interface, simple operation, easy routine maintenance.
- Automatic alarm device, the intake air temperature is too high alarm, the intake pressure is too low alarm, heating temperature is too high alarm (micro heat regeneration type).
- According to the actual load and temperature, adjustable regeneration gas consumption ratio, saving renewable energy consumption.
- Can choose to switch the actual cycle to meet the demand for finished dew point.

- Mouth solenoid valve reliable performance, modular design, and with action instructions, easy maintenance.
- Air control dust filter, to prevent dust into the pneumatic control components, reducing valve failure rate.

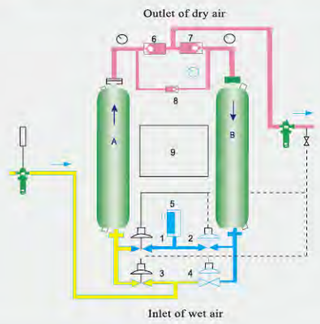
High quality and efficient heater (micro heat regeneration type)

Pneumatic valve control and other electromagnetic valve control comparison, longer life, to ensure long-term stable operation of the dryer.

Stainless steel material diffuser, the air from the stability, diffusion, filtration and other functions.

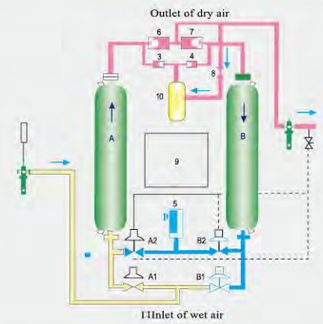
Reliable one-way valve

No Heat Air Dryer Working Process



A、B Adsorption Tower	1、2、3、4 Switching Valve	5 Silencer
6、7 Check Valve	8 Throttle Valve	9 Program Controller

Micro Heat Air Dryer Working Process



A、B Adsorption Tower	A1、A2、B1、B2 Switching Valve	5 Silencer	8 Throttle Valve
3、4、6、7 Check Valve	9 Program Controller	10 Electric Heaters	

No-heat Regenerative Desiccant Dryer

Regeneration Gas: ≤12 ~ 15%
Working Pressure: 0.6～1.0mpa
Intake Oil Content: ≤0.01ppm

Pressure Dew Point: -20℃ ～ -40℃
Power Supplu: 220v 50hz
Desiccant: Activated Alumina Or Molecular Sieve

Working Period: t= 4～20minutes
Inlet Temperature: 0℃～45℃

Model / Item	Air Capacity (Nm^3/min)	Air Nozzle Diameter	Dimension(mm)			Weight (kg)
			L	W	H	
SZD-1WXF	1.2	ZG1	910	420	1418	120
SZD-2WXF	2.4	ZG1	910	420	1518	140
SZD-3WXF	3.8	ZG1.5	1000	450	1890	220
SZD-5WXF	5.5	ZG1.5	1000	450	1890	340
SZD-6WXF	6.5	ZG1.5	1200	500	1960	380
SZD-8WXF	8.5	ZG1.5	1200	500	1960	430
SZD-10WXF	10.7	ZG2	1400	600	2100	520
SZD-13WXF	13.5	ZG2	1400	600	2150	580
SZD-15WXF	18	DN65	1400	600	2200	640
SZD-20WXF	25	DN80	1670	650	2480	730
SZD-30WXF	35	DN100	1576	672	2523	960
SZD-40WXF	45	DN100	1688	722	2568	1150
SZD-50WXF	55	DN125	1900	750	2800	1380
SZD-60WXF	65	DN125	1900	750	3100	1600
SZD-80WXF	85	DN150	2620	1120	3070	2580
SZD-100WXF	110	DN150	3100	1650	3200	3800
SZD-160WXF	160	DN200	3240	1770	3190	5200

Micro-heat Regenerative Desiccant Dryer

Regeneration Gas: ≤4 ~ 6%
Working Pressure: 0.4～1.0mpa
Intake Oil Content: ≤0.01ppm

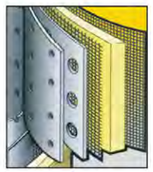
Pressure Dew Point: -40℃ ～ -70℃
Power Supplu: 380v 50hz
Desiccant: Activated Alumina Or Molecular Sieve

Working Period: t= 60～180minutes
Inlet Temperature: 0℃～45℃

Model / Item	Air Capacity (Nm^3/min)	Heater Power (kw)	Air Nozzle Diameter	Dimension(mm)			Weight (kg)
				L	W	H	
SZD-1MXF	1.2	1.5	ZG1	910	530	1418	145
SZD-2MXF	2.4	1.5	ZG1	910	530	1518	160
SZD-3MXF	3.8	1.5	ZG1.5	1000	575	1800	245
SZD-5MXF	5.5	1.5	ZG1.5	1000	575	1800	360
SZD-6MXF	6.5	3	ZG1.5	1200	560	1960	405
SZD-8MXF	8.5	3	ZG1.5	1200	560	1960	440
SZD-10MXF	10.7	4.5	ZG2	1400	600	2100	560
SZD-13MXF	13.5	4.5	ZG2	1400	600	2150	620
SZD-15MXF	18	4.5	DN65	1400	635	2200	680
SZD-20MXF	25	6	DN80	1670	725	2480	780
SZD-30MXF	35	8	DN100	1576	672	2523	1040
SZD-40MXF	45	8	DN100	1688	722	2568	1210
SZD-50MXF	55	8	DN125	1900	750	2800	1450
SZD-60MXF	65	8	DN125	1900	750	3100	1700
SZD-80MXF	85	20	DN150	2620	1120	3073	2800
SZD-100MXF	110	30	DN150	3100	1650	3200	4020
SZD-160MXF	160	50	DN200	3240	1770	3190	5600

Introduction for Compressed Air Filters

C Separation filter (C)

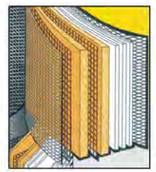


Suitable for filtering large amounts of liquid and 3 microns of aggregates (5ppm maximum residual oil content)

Two-stage Filtration

- The first level - two stainless steel tubes, for 10 micron mechanical separation.
- The second stage - the deep fibrous media filters out 3 microns of solid and liquid particles.

T Main line filter (T)

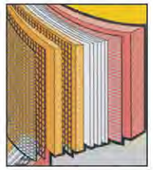


Suitable for filtering large amounts of liquid and 1 micron size agglomerates (1.0 ppm maximum residual oil content)

Inside / Outside the Filter are Anti-corrosion Two-stage Filtration

- The first level - fiber media and media filter alternately stacked, filter out the larger particles.
- The second stage - multi-layer epoxy resin bonded mixed fiber medium, coalescence oil mist and filter solid particles.

A Advanced Oil Filter (A)



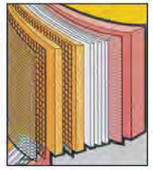
Suitable for removing large amounts of liquid and 0.01 microns of aggregates (0.01 ppm maximum residual oil content)

Inside / Outside the Filter are Anti-corrosion Two-stage Filtration

- The first level - multi-layer fiber media and media filter, filter out the larger particles, in the air into the second stage before the filter pre-filter.
- The second stage - multi-layer adhesive mixed fiber medium, filter out small aggregates.

Outer Film Closed Foam Sleeve

H Degreasing Steam Filter (H)



Suitable for filtering out the activated carbon is usually absorbable oil vapor and hydrocarbon vapor, can be removed as small as 0.01 micron solid particles (0.003ppm maximum residual oil content)

Inside / Outside the Filter are Anti-corrosion Two-stage Filtration

- The first level - very fine activated carbon powder stability layer, can filter out most of the oil vapor.
- The second level - multi-layer fiber medium, bonded micro-fine filter activated carbon powder, can filter the residual oil vapor.

Multilayer fine media to prevent contaminants from wandering external coating closed foam sleeve to prevent fiber wandering
In the rated operating conditions, the design life of up to 1000 hours.

AA Ultra-efficient Oil Filter (AA)

Suitable for agglomeration of small water vapor and oil mist, can filter up to 0.01 microns of aggregates (0.001ppm maximum residual oil content)

Inside / Outside the Filter are Anti-corrosion Two-stage Filtration

- The first level - the coating closed foam sleeve, pre-filtration and air dispersion.
- The second level - multi - layer matrix mixed fiber medium, filter out very small aggregates.

Compressed Air Filter

Item \ Model	Air Capacity (Nm^3/min)	Air Nozzle Size	Dimension (mm)	
			W	L
Pipe Filter (Screw Type)				
C、T、A、AA、H-001F	1	G1	105	295
C、T、A、AA、H-002F	2	G1	105	295
C、T、A、AA、H-003F	3	G1 1/2	125	365
C、T、A、AA、H-006F	5	G1 1/2	125	505
C、T、A、AA、H-008F	7	G1 1/2	125	505
C、T、A、AA、H-010F	11	G2	135	625
C、T、A、AA、H-013F	14	G2 1/2	155	910
C、T、A、AA、H-015F	18	G2 1/2	155	910
C、T、A、AA、H-020F	22	G2 1/2	155	970
C、T、A、AA、H-025F	25	G2 1/2	155	970
Pipe Filter (Flange Type)				
C、T、A、AA、H-18F	18	DN65	353	950
C、T、A、AA、H-22F	22	DN80	353	1110
C、T、A、AA、H-36F	36	DN100	465	1120
C、T、A、AA、H-45F	45	DN100	465	1270
C、T、A、AA、H-55F	55	DN125	500	1166
C、T、A、AA、H-66F	66	DN125	500	1285
C、T、A、AA、H-90F	90	DN125	565	1400
C、T、A、AA、H-110F	110	DN150	617	1430
C、T、A、AA、H-135F	135	DN150	726	1540
C、T、A、AA、H-155F	155	DN200	726	1540
C、T、A、AA、H-180F	180	DN200	780	1580
C、T、A、AA、H-200F	200	DN200	800	1580
C、T、A、AA、H-225F	225	DN200	800	1585
C、T、A、AA、H-255F	255	DN250	860	1570
C、T、A、AA、H-310F	310	DN250	860	1590

Note

1. working pressure：≤1.6MPa
2. intake temperature：≤80℃
3. Filter groove design, easier to discharge oil, dust, water, etc., is not easy to plug, long service life.
4. Special pressure and requirements can be customized.