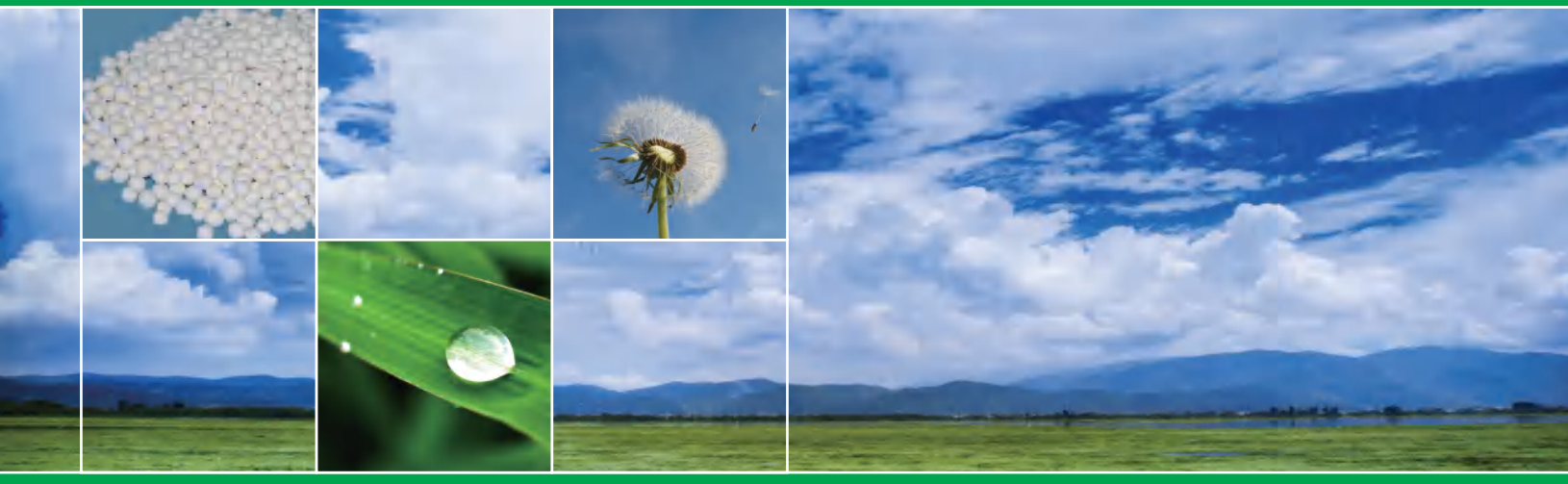
DENAIR®

Compressed Air Treatment Equipment



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SELECTION AND CORRECTION

Correction for Refrigerated Air Dryer Type Selection

Inlet Temperature Correction Factor							
Inlet temperature℃	20	25	30	35	38	40	45
Correction Factor A	1.25	1.15	1.10	1.05	1.00	0.90	0.78
Operating Pressure Correction Factor							
Operating Pressure MPa	0.3	0.4	0.5	0.6	0.7	0.8	1.0
Correction Factor B	0.65	0.80	0.88	0.92	1.00	1.04	1.11
Ambient Temperature Correction Factor							
Ambient Temperature℃	25	30	35	38	40	45	
Correction Factor C	1.16	1.12	1.06	1.00	0.95	0.85	
Pressure Dew Point Correction Factor							
Dew Point Requirement ℃	3	7	10				
Correction Factor D	0.75	0.85	1.00				

The minimum processing capacity that the refrigeration dryer selection should meet = Inlet air flow ÷ (A x B x C x D)
For example: The inlet air flow is 40 m³/min, the inlet air temperature is 45℃, the operating pressure is 1.0 MPa, the ambient temperature is 40℃, and the pressure dew point requirement is 10℃. Select a water-cooled type refrigeration dryer.
If the selected refrigeration dryer should meet the minimum processing capacity = 40 m³/min ÷ (0.78 x 1.11 x 0.95 x 1.00) ≈ 49 m³/min, then a corresponding refrigeration dryer with a processing capacity not less than 49 m³/min should be selected (the selection method for water-cooled type is the same)

Correction for Desiccant Air Dryer Type Selection

Inlet Temperature Correction Factor						
Inlet Temperature ℃	25	30	35	40	45	50
Correction Factor A	1.00	1.00	1.00	0.97	0.88	0.73

Operating Pressure Correction Factor										
Operating Pressure MPa	0.44	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3
Correction Factor B	0.63	0.75	0.88	1.00	1.13	1.25	1.38	1.50	1.63	1.75

Pressure Dew Point Correction Factor				
Dew Point Requirement ℃	-20	-40	-60	-70
Correction Factor C	1.10	1.00	0.85	0.70

The minimum flow rate that the desiccant air dryer should meet is equal to the intake flow rate divided by (A x B x C). For example, if the intake flow rate is 23 m³/min, the inlet temperature is 40℃, the operating pressure is 0.6 MPa, and the required pressure dew point is -40℃, then the minimum processing capacity that the desiccant air dryer should meet is approximately 27 m³/min (23 ÷ (0.97 x 0.88 x 1.00)). Therefore, a desiccant air dryer with a processing capacity of no less than 27 m³/min should be selected.

Correction for Filter Selection

Operating Pressure MPa	0.1	0.2	0.3	0.5	0.7	0.9	1.1	1.3	1.5	1.6
Correction Factor B	0.2	0.38	0.5	0.8	1.0	1.13	1.25	1.36	1.46	1.51

REFRIGERATED COMPRESSED AIR DRYER

Features and advantages

Energy Saving

High efficiency heat exchanging wings made of aluminum alloy plates, cross-flowing high efficiency heat exchanging and sufficient exchanging area, maximizing the cooling energy inside the machine. Pressure loss is less than 0.02MPa.

Environmental Friendly

Aluminum-alloy-made heat exchangers never get rusted, strong anti-corrosion property, pollution reoccurrence free. Environmental cooling medium adopted across the series, keeping up with the international trends of environment protection.

Excellent Performance

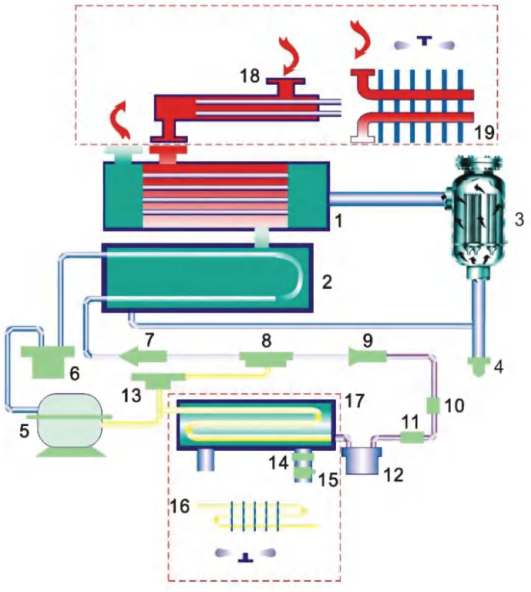
Under nominal operation conditions, the outlet dew point is 3℃ lower than that of the conventional tube shell refrigerated compressor air dryer.

Top Configuration

Whole series of refrigerated compressors are of first class brands. Whole series of refrigeration control elements are of first class brands. Whole series of air coolers adopt nanometer anti-corrosion coating on the surfaces. Packed with Y-shape air inlet filters to effiectively reduce pipe pollutants on the heat exchanging channel.

Compact

The high efficiency heat exchangers made of aluminum alloy plates are, under same flow capacity, 2/3 less in volume than that of the conventional tube shell exchangers. The layouts are more compact, significantly reducing the footprint of the equipments, further freeing customers' limited space.



Air cooling type

Inlet temperature: ≤ 60℃(≤ 45℃)
Cooling method: Air-cooling
Inlet pressure: 7 ~ 13bar
Pressure drop: ≤0.25bar
Pressure dew point**: 2℃
Refrigerant: R-410A, R-407C, R513A
and other environmentally friendly refrigerants are available

Items \ Type		DAD-1 HTF	DAD-2 HTF	DAD-3 HTF	DAD-6 HTF	DAD-8 HTF	DAD-10 HTF	DAD-13 HTF	DAD-15 HTF	DAD-20 HTF	DAD-25 HTF	DAD-30 HTF	DAD-40 HTF	DAD-50 HTF	DAD-60 HTF
Capacity(m³/min*)		1.6	2.6	3.8	6.5	8.5	11.5	13.5	17	20	25	34	40	50	60
Voltage(V/Hz)		220/50	220/50	220/50	220/50	220/50	220/50	220/50	220/50	380/50	380/50	380/50	380/50	380/50	380/50
Compressor power(kW)		0.7	0.75	0.77	1.72	1.93	2	2.6	2.96	3.8	4.27	5.6	6.5	7.7	9.9
Fan power(W)		58	52	75	150	150	165	165	220	520	520	680	680	680	1360
Air in/outlet pipe diameter		G1	G1	G1-1/2	G1-1/2	G1-1/2	G2	G2	G2-1/2	G2-1/2	G3	DN100	DN100	DN100	DN150
Weight(kg)		35	42	55	70	80	110	120	150	170	200	320	335	350	500
Dimensions	L(mm)	530	530	530	530	530	850	850	920	920	920	1180	1180	1180	2160
	W(mm)	410	410	535	535	535	750	750	850	850	850	1050	1050	1050	1050
	H(mm)	635	635	750	750	750	920	920	1280	1280	1280	1600	1600	1600	1600

*) m³/min is measured at 1.0 bar(a), 20℃ ambient temperature and 0% Relative Humidity.
**) ranges from 2 to 10℃ depending on the on-site environment
Specifications are subject to change without notice.

Water cooling type

Inlet temperature: ≤ 60℃(≤ 45℃)
Cooling method: Water-cooling
Inlet pressure: 7 ~ 13bar
Cooling water inlet temperature: ≤ 32℃
Cooling water inlet pressure: 2 ~ 4bar
Pressure drop: ≤0.25bar
Pressure dew point**: 2℃
Refrigerant: R-410A, R-407C, R513A
and other environmentally friendly refrigerants are available

Items \ Type		DAD-20 HTW	DAD-25 HTW	DAD-30 HTW	DAD-40 HTW	DAD-50 HTW	DAD-60 HTW	DAD-80 HTW	DAD-100 HTW	DAD-120 HTW	DAD-150 HTW	DAD-200 HTW	DAD-250 HTW	DAD-300 HTW
Capacity(m³/min*)		20.0	25.0	34.0	40.0	50.0	60.0	80.0	100.0	120.0	150.0	200.0	250.0	300.0
Voltage(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
Compressor power(kW)		2.1	2.9	3.6	3.9	5.1	5.8	7.7	8.6	9.9	13.7	16.5	20.5	27.4
Circulating cooling water capacity(m³/h)		2	2.5	3	3.6	4.5	5.4	7.2	8.8	10.5	12.5	16.5	21	25
Air in/outlet pipe diameter		G2"	G3"	DN100	DN100	DN100	DN150	DN150	DN150	DN150	DN200	DN150	DN150	DN150
Condenser water pipe diameter		G3/4"	G3/4"	G1"	G1"	G1-1/2"	G1-1/2"	G1-1/2"	G1-1/2"	DN50	DN50	DN65	DN65	DN65
Weight(kg)		170	200	320	335	350	500	600	650	750	850	900	1500	1600
Dimensions	L(mm)	1150	1150	1180	1180	1180	2160	2160	2160	2400	2400	2400	2600	2600
	W(mm)	900	900	1050	1050	1050	1050	1050	1050	1250	1250	1250	1650	1650
	H(mm)	1280	1280	1600	1600	1600	1600	1600	1600	1800	1800	1800	1900	1900

*) m³/min is measured at 1.0 bar(a), 20℃ ambient temperature and 0% Relative Humidity.
**) ranges from 2 to 10℃ depending on the on-site environment
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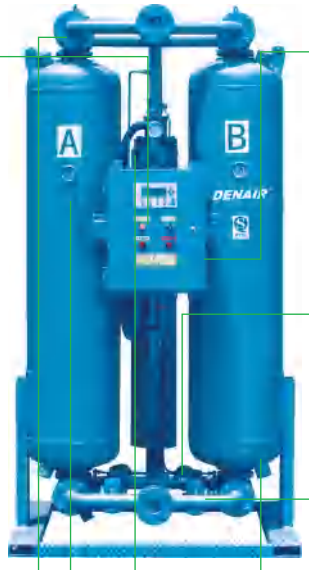
DESICCANT AIR DRYER

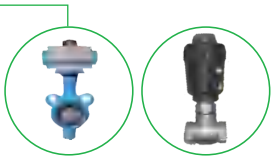
Features and advantages

· The control system uses single-chip microcomputer program for automatic control, performance stable and reliable (PLC control can optional);
· With the valve switch automatic display function, friendly interface, Simple operation, easy routine maintenance;
· Automatic alarm system, intake air temperature too high alarm, the intake pressure too low alarm, the heating temperature alarm (micro heat regeneration type);
· According to the actual load and temperature, adjustable gas consumption proportion, to save gas consumption;
· Can choose cycle switch time, meet the requirements of dew point of the products.

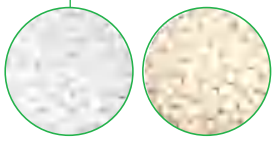


· Imported electromagnetic valve performance is reliable, modular design, and with motion indication, simple maintenance.
· Pneumatic dust filter, prevent dust from entering the pneumatic control components, lower valve failure rate.

· The new muffler sound-absorbing glass with high temperature ultra-fine cotton and combined with the imported special treatment silencer filter and other material, the regeneration noise≤72dB (A).

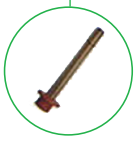


· Compared with other electromagnetic control valve, pneumatic control valve's lifetime longer, to ensure long-term stable operation of the dryer.



· High quality adsorbent

· Reliable performance no return valve

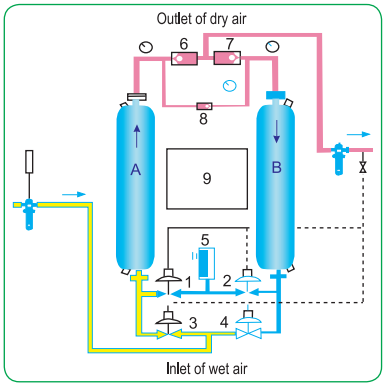


· Quality and efficient heater (use for heated purge desiccant air dryer)

· Stainless steel material diffuser, has stability, diffusion, filtering, and other functions of the airflow

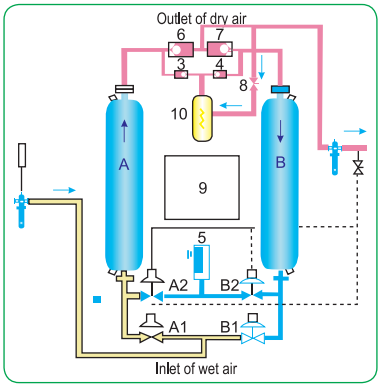
Flow chart

Heatless type



A, B: Absorb tower
1, 2, 3, 4: Switch valve
5: Silencer
6,7: Check valve
8: Throttle
9: Program controller

Externally Heated type



A,B : Absorb tower
A1, A2, BI, B2: Switch valve
5: Silencer
3, 4, 6, 7: Check valve
8: Throttle
9: Program controller
10: Heating element

Desiccant heatless type

Purge air: 12 ~ 15%
Inlet pressure: 6 ~ 10bar
Inlet oil content: ≤0.01ppm
Pressure dew point**: -20℃

Desiccant: Activated aluminum or Molecular siere
Working periods: T=4 ~ 20 Minutes
Inlet temperature: ≤45℃

Type \ Items	Capacity (m³/min*)	Air inlet/outlet pipe diameter	Dimensions(mm)			Weight(kg)
			L	W	H	
DAD-1WXF	1.2	ZG1	910	400	1420	120
DAD-2WXF	2.4	ZG1	910	400	1620	140
DAD-3WXF	3.8	ZG1.5	1000	450	1530	220
DAD-5WXF	5.5	ZG1.5	1200	500	1860	340
DAD-6WXF	6.5	ZG1.5	1200	500	1860	380
DAD-8WXF	8.5	ZG1.5	1200	500	1860	430
DAD-10WXF	10.7	ZG2	1400	600	2020	520
DAD-13WXF	13.5	ZG2	1400	600	2020	560
DAD-15WXF	18.0	DN65	1400	600	2100	640
DAD-20WXF	23.0	DN80	1670	650	2420	730
DAD-30WXF	35.0	DN100	1750	750	2560	960
DAD-40WXF	45.0	DN100	1820	750	2630	1150
DAD-50WXF	55.0	DN125	2000	800	2750	1380
DAD-60WXF	65.0	DN125	2100	800	2800	2000
DAD-80WXF	85.0	DN150	2300	900	2850	2580
DAD-100WXF	110.0	DN150	2600	1050	2980	3800
DAD-120WXF	130.0	DN200	3300	1650	3330	4000

*) m³/min is measured at 1.0 bar(a), 20℃ ambient temperature and 0% Relative Humidity.
**) Option for -40℃
Specifications are subject to change without notice.

Externally heated type

Purge air: 4 ~ 6%
Inlet pressure: 6 ~ 10bar
Inlet oil content: ≤0.01ppm
Pressure dew point**: -40℃

Desiccant: Activated aluminum or Molecular siere
Working periods: T=60 ~ 180 Minutes
Inlet temperature: ≤45℃

Type \ Items	Capacity (m³/min*)	Heated power (kW)	Air inlet/outlet pipe diameter	Dimensions(mm)			Weight(kg)
				L	W	H	
DAD-1MXF	1.2	1.5	ZG1	910	400	1420	145
DAD-2MXF	2.4	1.5	ZG1	910	400	1620	160
DAD-3MXF	3.8	1.5	ZG1.5	1000	450	1530	245
DAD-5MXF	5.5	1.5	ZG1.5	1200	500	1860	405
DAD-6MXF	6.5	3.0	ZG1.5	1200	500	1860	405
DAD-8MXF	8.5	3.0	ZG1.5	1200	500	1860	445
DAD-10MXF	10.7	4.5	ZG2	1400	600	2020	560
DAD-13MXF	13.5	4.5	ZG2	1400	600	2020	620
DAD-15MXF	18.0	4.5	DN65	1400	600	2100	900
DAD-20MXF	23.0	6.0	DN80	1670	650	2420	1170
DAD-30MXF	35.0	8.0	DN100	1750	750	2560	1460
DAD-40MXF	45.0	8.0	DN100	1820	750	2630	1820
DAD-50MXF	55.0	12.0	DN125	2000	800	2750	2020
DAD-60MXF	65.0	15.0	DN125	2100	800	2800	2410
DAD-80MXF	85.0	27.0	DN150	2300	900	2850	2800
DAD-100MXF	110.0	36.0	DN150	2600	1050	2980	4020
DAD-120MXF	130.0	50.0	DN200	3300	1650	3300	4200

*) m³/min is measured at 1.0 bar(a), 20℃ ambient temperature and 0% Relative Humidity.
**) Option for -70℃
Specifications are subject to change without notice.

COMBINED TYPE AIR DRYER

Refrigerated dryer + Desiccant dryer (Water cooling)

Inlet pressure: 6 ~ 10bar
Pressure dew point*: -40℃
Inlet temperature: ≤45℃
Purge air: 3 ~ 5%
Pressure drop: ≤0.8bar
Cooling water temperature: ≤32℃

Type \ Items	Capacity (m³/min*)	Circulating cooling water capacity(m³/h)	Air inlet/outlet pipe diameter	Dimensions(mm)			Weight(kg)
				L	W	H	
DAD-10WMZ	10.7	1.8	ZG2	1400	1400	2150	930
DAD-13WMZ	13.5	1.8	ZG2	1400	1400	2200	980
DAD-15WMZ	18	3.0	DN65	1750	1600	2350	1050
DAD-20WMZ	23	3.6	DN80	1750	1600	2500	1400
DAD-30WMZ	35	5.9	DN100	2100	1900	2720	1780
DAD-40WMZ	45	7.2	DN100	2200	2000	2750	2240
DAD-50WMZ	55	9.2	DN125	2450	2300	2800	2670
DAD-60WMZ	65	10.8	DN125	2500	2350	2920	3180

*) Option for -70℃

Refrigerated dryer + Desiccant dryer (Air cooling)

Inlet pressure: 6 ~ 10bar
Pressure dew point**: -40℃
Inlet temperature: ≤45℃
Purge air: 3 ~ 5%
Pressure drop: ≤0.8bar

Type \ Items	Capacity (m³/min*)	Fan power (W)	Air inlet/outlet pipe diameter	Dimensions(mm)			Weight(kg)
				L	W	H	
DAD-1FMZ	1.2	55	ZG1	1100	1100	1590	320
DAD-2FMZ	2.4	90	ZG1	1100	1100	1690	380
DAD-3FMZ	3.8	150	ZG1.5	1100	1200	1860	450
DAD-6FMZ	6.5	190	ZG1.5	1200	1200	1980	640
DAD-10FMZ	10.7	2*150	ZG2	1400	1400	2150	930
DAD-13FMZ	13.5	2*150	ZG2	1400	1400	2200	980
DAD-15FMZ	18.0	550	DN65	1750	1600	2350	1050
DAD-20FMZ	23.0	550	DN80	1750	1600	2500	1400
DAD-30FMZ	35.0	3*190	DN100	2100	1900	2720	1780
DAD-40FMZ	45.0	3*240	DN100	2200	2000	2750	2240
DAD-50FMZ	55.0	3*380	DN125	2450	2300	2800	2670
DAD-60WMZ	65.0	3*670	DN125	2500	2350	2920	3180

*) m³/min is measured at 1.0 bar(a), 20℃ ambient temperature and 0% Relative Humidity.
**) Option for -70℃
Specifications are subject to change without notice.

COMPRESSED AIR OIL/WATER SEPARATOR

Inlet pressure: 6 ~ 10bar
Filtration precision: 5μm
Inlet temperature: 5 ~ 65℃
Water removal rate:≥99%
Pressure drop:≤0.05bar

Type \ Items	Capacity (m³/min*)	Air inlet/outlet pipe diameter	Sewage discharge pipe diameter	Dimensions(mm)		Weight(kg)
				D	H	
SFS-1	1.2	ZG1	ZG1/2	108	650	22
SFS-2	2.4	ZG1	ZG1/2	133	700	24
SFS-3	3.8	ZG1.5	ZG1/2	159	720	28
SFS-6	6.5	ZG1.5	ZG1/2	159	870	33
SFS-10	10.7	ZG2	ZG1/2	219	980	52
SFS-13	13.5	ZG2	ZG1/2	219	1180	58
SFS-20	23.0	DN80	ZG1/2	273	1200	90
SFS-30	35.0	DN100	ZG1/2	273	1280	106
SFS-40	45.0	DN100	ZG1/2	325	1350	136
SFS-60	65.0	DN125	ZG1/2	377	1350	150

*)m³/min is measured at 1.0 bar(a), 20℃ ambient temperature and 0% Relative Humidity.
Specifications are subject to change without notice.

OIL REMOVER

Inlet pressure: 6 ~ 10bar
Inlet temperature: 5℃ ~ 80℃
Pressure drop: ≤0.05bar

Filtration precision: 5μm
Water removal rate: ≥99%
Outlet air oil content: ≤0.01ppm

Type \ Items		SFU-1	SFU-2	SFU-3	SFU-6	SFU-10	SFU-13	SFU-15	SFU-20	SFU-30	SFU-40	SFU-60
Capacity(m³/min*)		1.2	2.4	3.8	6.5	10.7	13.5	17.0	23.0	33.0	45.0	65.0
Air in/outlet pipe diameter		ZG1	ZG1	ZG1.5	ZG1.5	ZG2	ZG2	DN65	DN80	DN100	DN100	DN125
Weight(kg)		24	27	30	35	65	75	90	105	136	150	182
Dimensions	D(mm)	133	133	133	133	159	159	159	159	273	325	412
	H(mm)	845	845	845	1030	1265	1139	1139	1630	1846	1990	2242

*)m³/min is measured at 1.0 bar(a), 20℃ ambient temperature and 0% Relative Humidity.
Specifications are subject to change without notice.

COMPRESSED AIR FILTERS

Carbon steel type

Liquid separator filter (C): 3 micro, 5 ppm
Particulate filter (T): 1 micro, 1 ppm
Oil removal filter (A): 0.01 micro, 0.01 ppm
Oil removal extra fine filter (AA): 0.01 micro, 0.001 ppm
Vapor filter (H): 0.01 micro, 0.001 ppm

Items \ Model	Capacity (m^3/min*)	Air inlet/outlet pipe diameter	Dimensions(mm)			Weight(kg)
			L	D	H	
C,T,A,AA,H-001	1.4	ZG1	98	80	205	0.8
C,T,A,AA,H-002	2.4	ZG1	98	80	235	0.9
C,T,A,AA,H-003	3.8	ZG1.5	135	110	305	2.0
C,T,A,AA,H-006	6.5	ZG1.5	135	110	405	2.5
C,T,A,AA,H-008	8.0	ZG1.5	135	110	405	2.7
C,T,A,AA,H-010	10.7	ZG2	148	127	685	11
C,T,A,AA,H-010	10.7	DN50	350	115	680	25
C,T,A,AA,H-013	13.5	ZG2	148	127	685	11
C,T,A,AA,H-013	13.5	DN50	350	115	680	25
C,T,A,AA,H-015	18	ZG2	148	127	685	11
C,T,A,AA,H-015	18	ZG2.5	150	127	850	13.8
C,T,A,AA,H-015	18	DN65	300	133	940	35
C,T,A,AA,H-020	25	ZG2.5	174	135	765	15.7
C,T,A,AA,H-020	25	DN80	370	159	980	44
C,T,A,AA,H-025	26	DN80	336	159	1118	45
C,T,A,AA,H-035	36	DN100	500	219	1250	46
C,T,A,AA,H-040	40	DN80	336	159	1118	46
C,T,A,AA,H-050	54	DN100	500	273	1250	130
C,T,A,AA,H-060	66	DN125	500	270	1250	135
C,T,A,AA,H-070	72	DN100	600	362	1350	150
C,T,A,AA,H-090	90	DN125	600	362	1350	175
C,T,A,AA,H-100	108	DN125	600	362	1350	185
C,T,A,AA,H-120	126	DN150	630	412	1350	200
C,T,A,AA,H-140	144	DN150	700	462	1350	235
C,T,A,AA,H-160	162	DN150	780	512	1400	275
C,T,A,AA,H-180	180	DN150	780	512	1400	315
C,T,A,AA,H-190	198	DN150	780	566	1400	350
C,T,A,AA,H-250	252	DN150	780	566	1460	500

*) m^3/min is measured at 1.0 bar(a), 20 ℃ ambient temperature and 0% Relative Humidity.
Specifications are subject to change without notice.

COMPRESSED AIR FILTERS

Stainless steel type

Liquid separator filter (C): 3 micro, 5 ppm
Particulate filter (T): 1 micro, 1 ppm
Oil removal filter (A): 0.01 micro, 0.01 ppm
Oil removal extra fine filter (AA): 0.01 micro, 0.001 ppm
Vapor filter (H): 0.01 micro, 0.001 ppm

Items \ Model	Capacity (m^3/min*)	Air inlet/outlet pipe diameter	Dimensions(mm)			Weight(kg)
			L	D	H	
C,T,A,AA,H-001S	1.5	ZG1	185	76	335	1.8
C,T,A,AA,H-001S	1.5	DN25	240	76	335	2.1
C,T,A,AA,H-002S	2.9	ZG1.5	230	89	400	2.9
C,T,A,AA,H-002S	2.9	DN40	290	89	400	3.0
C,T,A,AA,H-004S	4.9	ZG1.5	230	89	500	3.5
C,T,A,AA,H-004S	4.9	DN40	290	89	500	3.7
C,T,A,AA,H-007S	7.2	ZG1.5	230	89	550	3.5
C,T,A,AA,H-007S	7.2	ZG2	240	102	570	3.7
C,T,A,AA,H-007S	7.2	DN40	290	89	550	4.0
C,T,A,AA,H-007S	7.2	DN50	310	108	570	4.2
C,T,A,AA,H-010S	11	ZG1.5	230	89	660	4.6
C,T,A,AA,H-010S	11	ZG2	240	102	680	4.7
C,T,A,AA,H-010S	11	DN40	290	89	660	8
C,T,A,AA,H-010S	11	DN50	310	108	680	10
C,T,A,AA,H-013S	14	DN65	350	133	800	41
C,T,A,AA,H-015S	17.7	DN65	350	133	940	44
C,T,A,AA,H-020S	22	DN80	380	159	1120	60
C,T,A,AA,H-035S	36	DN100	500	219	1250	112
C,T,A,AA,H-050S	54	DN100	500	273	1250	112
C,T,A,AA,H-070S	72	DN100	600	325	1350	140
C,T,A,AA,H-090S	90	DN125	600	377	1350	150
C,T,A,AA,H-100S	108	DN125	600	377	1350	164
C,T,A,AA,H-125S	126	DN150	630	426	1350	187
C,T,A,AA,H-140S	144	DN150	700	426	1350	220
C,T,A,AA,H-160S	162	DN150	780	480	1400	257
C,T,A,AA,H-180S	180	DN150	780	480	1400	295
C,T,A,AA,H-195S	198	DN150	780	530	1400	327
C,T,A,AA,H-230S	234	DN150	780	530	1460	468

*) m^3/min is measured at 1.0 bar(a), 20 ℃ ambient temperature and 0% Relative Humidity.
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AIR RECEIVER TANK

0.3 ~ 10 m^3 @ 8 ~16 bar(e)

No.	Capacity(m^3)/ Pressure(MPa)	Designed temperature	Height H1	Weight (kg)	Diameter Φ	Air inlet		Air outlet		Support		Safety valve nozzle	Drain valve nozzle
						H2	Pipe diameter	H3	Pipe diameter	D	d		
1	0.3/0.8		1594	118	550	642	DN50 / Rp1-1/2	1242	DN50 / Rp1-1/2	400	20	Rp3/4	R1/2
2	0.3/1.0		1594	128		642		1242					
3	0.3/1.3		1598	155		644		1244					
4	0.3/1.6		1598	185		644		1244					
5	0.6/0.8		1905	183	700	680	DN65 / Rp1-1/2	1550	DN65 / Rp1-1/2	490	24	Rp3/4	R1/2
6	0.6/1.0		1907	213		681		1551					
7	0.6/1.3		1909	255		682		1552					
8	0.6/1.6		1907	285		681		1551					
9	1.0/0.8		2305	264	800	690	DN65 / Rp1-1/2	1920	DN65 / Rp1-1/2	560	24	Rp1	R1/2
10	1.0/1.0		2307	304		691		1921					
11	1.0/1.3		2305	265		690		1920					
12	1.0/1.6		2307	322		691		1921					
13	1.5/0.8		2265	290	1000	760	DN65 / Rp2	1810	DN65 / Rp2	700	24	Rp1	R1/2
14	1.5/1.0		2265	310		760		1810					
15	1.5/1.3		2267	385		761		1811					
16	1.5/1.6		2566	507	900	753	DN65 / Rp2	2118	DN65 / Rp2	630	24	Rp1	R1/2
17	2.0/0.8		2780	350	1000	760	DN80 / Rp2	2320	DN80 / Rp2	700	24	Rp1-1/4	R1/2
18	2.0/1.0		2780	380		760		2320					
19	2.0/1.3		2782	470		761		2321					
20	2.0/1.6		2786	609		763		2323					
21	3.0/0.8		2920	525	1200	850	DN80	2410	DN80	906	24	Rp1-1/2	R3/4
22	3.0/1.0		2922	600		851		2411					
23	3.0/1.3		2926	715		853		2413					
24	3.0/1.6		2926	855		853		2413					
25	4.0/0.8		3030	645	1400	910	DN100	2470	DN100	1050	24	Rp1-1/2	R3/4
26	4.0/1.0		3032	740		911		2471					
27	4.0/1.3		3036	940		913		2473					
28	4.0/1.6		3040	1169		915		2475					
29	5.0/0.8		3700	765	1400	910	DN100	2990	DN100	1050	24	Rp2	R3/4
30	5.0/1.0		3702	885		911		2991					
31	5.0/1.3		3726	1125		913		3013					
32	5.0/1.6	110	3730	1428		915		3015					
33	6.0/0.8		4330	870	2000	910	DN100	3620	DN100	1050	24	Rp2	R3/4
34	6.0/1.0		4332	1010		911		3621					
35	6.0/1.3		4346	1300		913		3633					
36	6.0/1.6		4350	1643		915		3635					
37	8.0/0.8		3154	1369	2000	1082	DN125	2362	DN125	1500	32	Rp2	R3/4
38	8.0/1.0		3156	1543		1083		2363					
39	8.0/1.3		3190	1878		1100		2380					
40	8.0/1.6		3194	2185		1102		2382					
41	10.0/0.8		3754	1601	2000	1082	DN150	2962	DN150	1500	32	Rp2-1/2	R3/4
42	10.0/1.0		3756	1743		1083		2963					
43	10.0/1.3		3790	2159		1100		2980					
44	10.0/1.6		3794	2542		1102		2982					
45	12.0/0.8		4354	1816	2000	1082	DN150	3562	DN150	1500	32	Rp2-1/2	R3/4
46	12.0/1.0		4356	1982		1083		3563					
47	12.0/1.3		4390	2456		1100		3580					
48	12.0/1.6		4394	2900		1102		3582					
49	15.0/0.8		4351	2422	2200	1208	DN150	3618	DN150	1650	32	Rp2-1/2	R1
50	15.0/1.0		4533	2595		1209		3619					
51	15.0/1.3		4569	3497		1227		3637					
52	15.0/1.6		4573	4050		1229		3639					
53	20.0/0.8		5246	2916	2400	1348	DN200	4168	DN200	1800	32	Rp3	R1
54	20.0/1.0		5250	3661		1350		4170					
55	20.0/1.3		5254	4187		1352		4172					
56	20.0/1.6		5258	4860		1354		4174					
57	25.0/0.8		6146	3344	2400	1348	DN200	5068	DN200	1800	32	Rp3	R1
58	25.0/1.0		6150	4222		1350		5070					
59	25.0/1.3		6154	4830		1352		5072					
60	25.0/1.6		6158	5610		1354		5074					
61	30.0/0.8		6706	3808	2500	1373	DN200	5603	DN200	1875	36	Rp3	R1
62	30.0/1.0		6710	4653		1375		5605					
63	30.0/1.3		6718	6345		1379		5609					
64	30.0/1.6		6722	7230		1381		5611					
65	40.0/0.8		8676	4905	2500	1373	DN200	7413	DN200	1875	36	Rp3	R1
66	40.0/1.0		8680	6024		1375		7415					
67	40.0/1.3		8688	8266		1379		7419					

Specifications are subject to change without notice.

0.3 ~ 10 m^3 @ 25 ~40 bar(e)

No.	Capacity(m^3)/ Pressure(MPa)	Designed temperature	Height	Weight (kg)	Diameter Φ	Air inlet		Air outlet		Support		Safety valve nozzle	Drain valve nozzle
						H2	Pipe diameter	H3	Pipe diameter	D	d		
1	0.3/2.5	110	1476	167	600	658	Rp1-1/2	1058	Rp1-1/2	420	20	Rp3/4	R1/2
2	0.3/3.0		1476	187		658		1058					
3	0.3/4.0		1480	276		660		1060					
4	0.6/2.5		1866	285	700	683	Rp1-1/2	1498	Rp1-1/2	490	24	Rp3/4	R1/2
5	0.6/3.0		1870	318		685		1500					
6	0.6/4.0		1874	435		687		1502					
7	1.0/2.5		2311	420	800	693	DN65 / Rp1-1/2	1903	DN65 / Rp1-1/2	560	24	Rp1	R1/2
8	1.0/3.0		2315	515		695		1905					
9	1.0/4.0		2319	670		697		1907					
10	1.5/2.5		2745	682	900	740	DN65 / Rp2	2300	DN65 / Rp2	630	24	Rp1	R1/2
11	1.5/3.0		2749	795		742		2302					
12	1.5/4.0		2753	958		744		2304					
13	2.0/2.5		2800	780	1000	765	DN80 / Rp2	2325	DN80 / Rp2	700	24	Rp1-1/4	R1/2
14	2.0/3.0		2804	915		767		2327					
15	2.0/4.0		2812	1248		771		2331					
16	2.5/2.5		2854	1075	1100	792	DN80	2352	DN80	770	24	Rp1-1/4	R1/2
17	2.5/3.0		2858	1225		794		2354					
18	2.5/4.0		2866	1890		798		2358					
19	3.0/2.5		2944	1180	1200	857	DN80	2417	DN80	906	24	Rp1-1/2	R3/4
20	3.0/3.0		2948	1368		859		2419					
21	3.0/4.0		2960	2205		865		2425					
22	4.0/2.5		3058	1654	1400	919	DN100	2479	DN100	1050	24	Rp1-1/2	R3/4
23	4.0/3.0		3062	1866		921		2481					
24	5.0/2.5		3788	2004	1400	919	DN100	3019	DN100	1050	24	DN50	R3/4
25	5.0/3.0		3792	2270		921		3021					
26	6.0/2.5		4418	2247	1400	939	DN100	3659	DN100	1050	24	DN50	R3/4
27	6.0/3.0		4422	2549		941		3661					
28	8.0/2.5		3230	2325	2000	1095	DN125	2375	DN125	1500	24	DN50	R3/4
29	8.0/3.0		3234	2555		1097		2377					
30	10.0/2.5		3830	2792	2000	1095	DN150	3005	DN150	1500	32	DN65	R3/4

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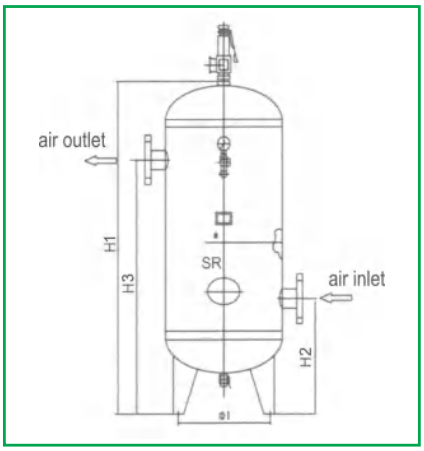
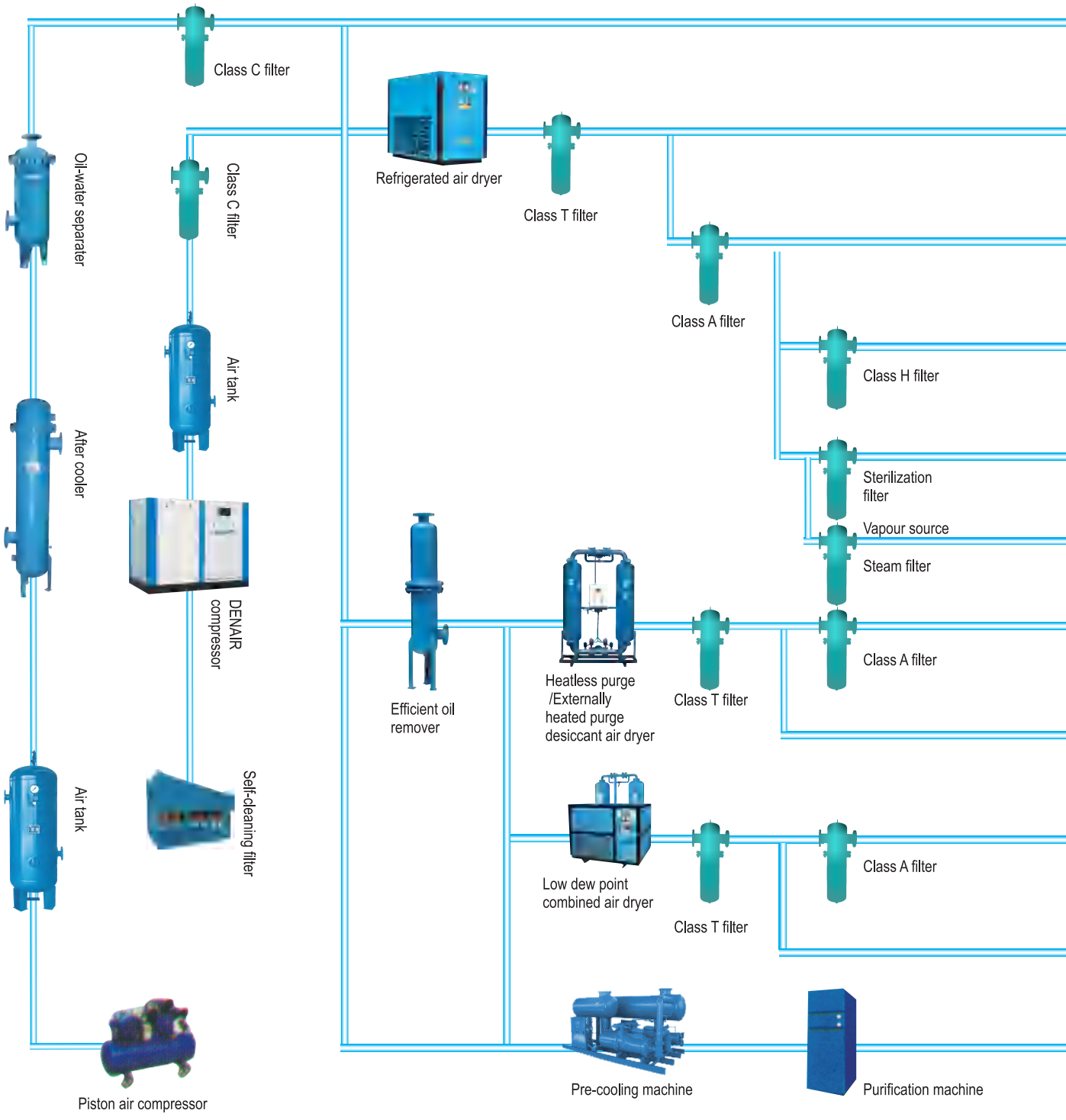


Flow Chart of Compressed Air Purifying System



Note: the above chart for reference only,it can be adjusted according to the actual conditions.

removed moisture:99% oil content:5ppm dusty particle diameter:<3um	air tools, pneumatic chuck, general clean air gun
atmospheric dew point:-23 ℃ oil content:1ppm dusty particle diameter:<1um	pneumatic machinery, electroplating spray painting and other process that needs compressed air
atmospheric dew point:-23 ℃ oil content:0.01ppm dusty particle diameter:<0.01um	advanced spraying, pneumatic transmission, pneumatic bearing, gauges
atmospheric dew point:-23 ℃ oil content:0.003ppm dusty particle diameter:<0.01um	pharmacy, food, industry, breathing air, deodorization, degerming
atmospheric dew point:-23 ℃ oil content:0.01ppm dusty particle diameter:<0.01um	dairy product, dental instruments, biological engineering, food processing, pharmaceuticals industry
pressure dew point:-40 ~ -20 ℃ oil content:0.01ppm dusty particle diameter:<0.01um	electricity power, chemical engineering, precision machinery
pressure dew point:-40 ~ -20 ℃ oil content:0.01ppm dusty particle diameter:<0.5um	pneumatic instrument, textile and chemical fiber, environmental protection industry
pressure dew point:-70 ~ -20 ℃ oil content:0.01ppm dusty particle diameter:<0.01um	rubber sheet, electronic components air drying
pressure dew point:-70 ~ -20 ℃ oil content:0.01ppm dusty particle diameter:<1um	biological engineering, advanced spraying, electronic industry
	oxygen production, ammonia production industry

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