

Compressed Air Treatment Equipment



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SELECTION AND CORRECTION

Correction for Refrigerated Air Dryer Type Selection

| Inlet Temperature Correction Factor | | | | | | | |
|---|------|------|------|------|------|------|------|
| Inlet temperature °C | 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 °C | 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 °C | 3 | 7 | 10 | | | | |
| Correction Factor D | 0.75 | 0.85 | 1.00 | | | | |
| <p>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 °C, the operating pressure is 1.0 MPa, the ambient temperature is 40 °C, and the pressure dew point requirement is 10 °C. Select a water-cooled type refrigeration dryer.</p> <p>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)</p> | | | | | | | |

Correction for Desiccant Air Dryer Type Selection

| Inlet Temperature Correction Factor | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|
| Inlet Temperature °C | 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 °C | -20 | | -40 | | | -60 | | -70 | | |
| Correction Factor C | 1.10 | | 1.00 | | | 0.85 | | 0.70 | | |
| <p>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 °C, the operating pressure is 0.6 MPa, and the required pressure dew point is -40 °C, 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.</p> | | | | | | | | | | |

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

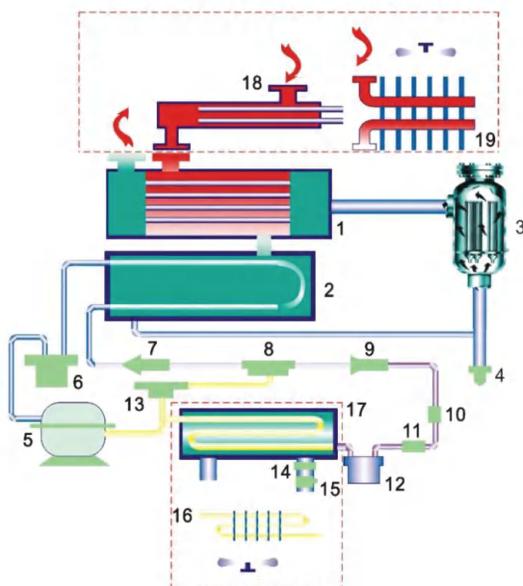
Under nominal operation conditions, the outlet dew point is 3 C lower than that of the conventional tube shell refrigerated compressor air dryer.

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 effectively 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: $\leq 60\text{ }^{\circ}\text{C}$ ($\leq 45\text{ }^{\circ}\text{C}$)
 Cooling method: Air-cooling
 Inlet pressure: 7 ~ 13bar
 Pressure drop: $\leq 0.25\text{bar}$
 Pressure dew point**: $2\text{ }^{\circ}\text{C}$
 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(m ³ /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 | 850 | 850 | 920 | 920 | 920 | 1180 | 1180 | 1180 | 2160 |
| | W(mm) | 410 | 410 | 535 | 535 | 535 | 750 | 750 | 850 | 850 | 1050 | 1050 | 1050 | 1050 |
| | H(mm) | 635 | 635 | 750 | 750 | 750 | 920 | 920 | 1280 | 1280 | 1280 | 1600 | 1600 | 1600 |

*) m³/min is measured at 1.0 bar(a), 20 °C ambient temperature and 0% Relative Humidity.

***) ranges from 2 to 10 °C depending on the on-site environment

Specifications are subject to change without notice.

Water cooling type

Inlet temperature: $\leq 60\text{ }^{\circ}\text{C}$ ($\leq 45\text{ }^{\circ}\text{C}$)
 Cooling method: Water-cooling
 Inlet pressure: 7 ~ 13bar
 Cooling water inlet temperature: $\leq 32\text{ }^{\circ}\text{C}$
 Cooling water inlet pressure: 2 ~ 4bar
 Pressure drop: $\leq 0.25\text{bar}$
 Pressure dew point**: $2\text{ }^{\circ}\text{C}$
 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(m ³ /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(m ³ /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 | 2600 | 2600 |
| | W(mm) | 900 | 900 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1250 | 1250 | 1250 | 1650 |
| | H(mm) | 1280 | 1280 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1800 | 1800 | 1800 | 1900 |

*) m³/min is measured at 1.0 bar(a), 20 °C ambient temperature and 0% Relative Humidity.

***) ranges from 2 to 10 °C depending on the on-site environment

Specifications are subject to change without notice.

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.



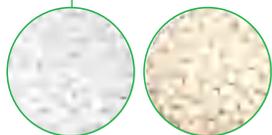
- The new muffler sound-absorbing glass with high temperature ultra-fine cotton and combined with the imported special treatment silencer filter and other material, the regeneration noise ≤ 72 dB (A).



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



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



- High quality adsorbent



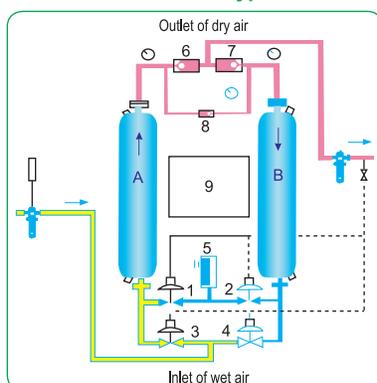
- Reliable performance no return valve



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

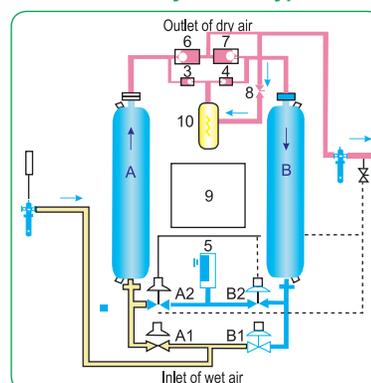
Flow chart

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, B1, 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 °C

Desiccant: Activated aluminum or Molecular sieze
 Working periods: T=4 ~ 20 Minutes
 Inlet temperature: ≤45 °C



| Type | Items | Capacity (m ³ /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 °C ambient temperature and 0% Relative Humidity.

***) Option for -40 °C

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 °C

Desiccant: Activated aluminum or Molecular sieze
 Working periods: T=60 ~ 180 Minutes
 Inlet temperature: ≤45 °C



| Type | Items | Capacity (m ³ /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 °C ambient temperature and 0% Relative Humidity.

***) Option for -70 °C

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 C
 Inlet temperature: ≤45 C
 Purge air: 3 ~ 5%
 Pressure drop: ≤0.8bar
 Cooling water temperature: ≤32 C



| 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 C

Refrigerated dryer + Desiccant dryer (Air cooling)

Inlet pressure: 6 ~ 10bar
 Pressure dew point**: -40 C
 Inlet temperature: ≤45 C
 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 C ambient temperature and 0% Relative Humidity.

***) Option for -70 C

Specifications are subject to change without notice.

COMPRESSED AIR OIL/WATER SEPARATOR

Inlet pressure: 6 ~ 10bar
 Filtration precision: 5µm
 Inlet temperature: 5 ~ 65 °C
 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 °C ambient temperature and 0% Relative Humidity.
Specifications are subject to change without notice.

OIL REMOVER

Inlet pressure: 6 ~ 10bar
 Inlet temperature: 5 °C ~ 80 °C
 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 °C 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 |

*)m³/min is measured at 1.0 bar(a), 20 °C 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 |

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

AIR RECEIVER TANK

0.3 ~ 10 m³ @ 8 ~16 bar(e)

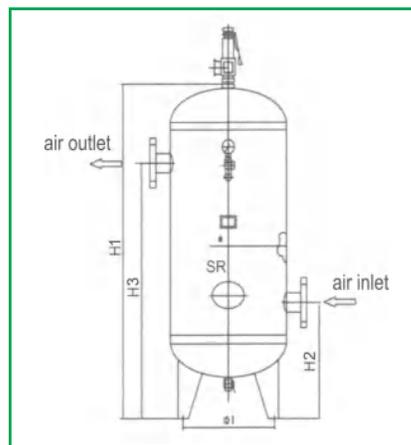
| No. | Capacity(m ³)/ Pressure(MPa) | Designed temperature | Height H1 | Weight (kg) | Diameter Φ | Air inlet | | Air outlet | | Support | | Safety valve nozzle | Drain valve nozzle | | | | | | | |
|-----|---|-------------------------|--------------|----------------|---------------|-----------|----------------|----------------|----------------|---------|----|---------------------------|--------------------------|------|------------|------------|------|----|---------|------|
| | | | | | | H2 | Pipe diameter | H3 | Pipe diameter | D | d | | | | | | | | | |
| 1 | 0.3/0.8 | 110 | 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 | 680 | 1550 | 700 | DN65 / Rp1-1/2 | 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 | 690 | 1920 | 800 | DN65 / Rp1-1/2 | 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 | 760 | 1810 | 1000 | DN65 / Rp2 | 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 | 753 | 2118 | | | | | | | | 900 | DN65 / Rp2 | DN65 / Rp2 | 630 | 24 | Rp1 | R1/2 |
| 17 | 2.0/0.8 | | 2780 | 350 | 760 | 2320 | | | | | | | | | | | | | | |
| 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 | 1000 | DN80 / Rp2 | DN80 / Rp2 | 700 | 24 | Rp1-1/4 | R1/2 | | | | | | | |
| 21 | 3.0/0.8 | | 2920 | 525 | 850 | 2410 | | | | | | | | | | | | | | |
| 22 | 3.0/1.0 | | 2922 | 600 | 851 | 2411 | | | | | | | | | | | | | | |
| 23 | 3.0/1.3 | | 2926 | 715 | 853 | 2413 | | | | | | | | 1200 | DN80 | DN80 | 906 | 24 | Rp1-1/2 | R3/4 |
| 24 | 3.0/1.6 | | 2926 | 855 | 853 | 2413 | | | | | | | | | | | | | | |
| 25 | 4.0/0.8 | | 3030 | 645 | 910 | 2470 | | | | | | | | | | | | | | |
| 26 | 4.0/1.0 | | 3032 | 740 | 911 | 2471 | 1400 | DN100 | DN100 | 1050 | 24 | Rp1-1/2 | R3/4 | | | | | | | |
| 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 | 910 | 2990 | | | | | | | | 1400 | DN100 | 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 | | 3730 | 1428 | 915 | 3015 | 2000 | DN100 | DN100 | 1050 | 24 | Rp2 | R3/4 | | | | | | | |
| 33 | 6.0/0.8 | | 4330 | 870 | 910 | 3620 | | | | | | | | | | | | | | |
| 34 | 6.0/1.0 | | 4332 | 1010 | 911 | 3621 | | | | | | | | | | | | | | |
| 35 | 6.0/1.3 | | 4346 | 1300 | 913 | 3633 | | | | | | | | 2000 | DN100 | DN100 | 1500 | 32 | Rp2 | R3/4 |
| 36 | 6.0/1.6 | | 4350 | 1643 | 915 | 3635 | | | | | | | | | | | | | | |
| 37 | 8.0/0.8 | | 3154 | 1369 | 1082 | 2362 | 2000 | DN125 | 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 | | | | | | | | 2000 | DN150 | DN150 | 1500 | 32 | Rp2-1/2 | R3/4 |
| 41 | 10.0/0.8 | | 3754 | 1601 | 1082 | 2962 | | | | | | | | | | | | | | |
| 42 | 10.0/1.0 | | 3756 | 1743 | 1083 | 2963 | | | | | | | | | | | | | | |
| 43 | 10.0/1.3 | | 3790 | 2159 | 1100 | 2980 | 2000 | DN150 | DN150 | 1500 | 32 | Rp2-1/2 | R3/4 | | | | | | | |
| 44 | 10.0/1.6 | | 3794 | 2542 | 1102 | 2982 | | | | | | | | | | | | | | |
| 45 | 12.0/0.8 | | 4354 | 1816 | 1082 | 3562 | | | | | | | | 2000 | DN150 | 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 | 2200 | DN150 | DN150 | 1650 | 32 | Rp2-1/2 | R1 | | | | | | | |
| 49 | 15.0/0.8 | | 4351 | 2422 | 1208 | 3618 | | | | | | | | | | | | | | |
| 50 | 15.0/1.0 | | 4533 | 2595 | 1209 | 3619 | | | | | | | | | | | | | | |
| 51 | 15.0/1.3 | | 4569 | 3497 | 1227 | 3637 | | | | | | | | 2400 | DN200 | DN200 | 1800 | 32 | Rp3 | R1 |
| 52 | 15.0/1.6 | | 4573 | 4050 | 1229 | 3639 | | | | | | | | | | | | | | |
| 53 | 20.0/0.8 | | 5246 | 2916 | 1348 | 4168 | | | | | | | | | | | | | | |
| 54 | 20.0/1.0 | | 5250 | 3661 | 1350 | 4170 | 2400 | DN200 | DN200 | 1800 | 32 | Rp3 | R1 | | | | | | | |
| 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 | 1348 | 5068 | | | | | | | | 2400 | DN200 | 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 | 2500 | DN200 | DN200 | 1875 | 36 | Rp3 | R1 | | | | | | | |
| 61 | 30.0/0.8 | | 6706 | 3808 | 1373 | 5603 | | | | | | | | | | | | | | |
| 62 | 30.0/1.0 | | 6710 | 4653 | 1375 | 5605 | | | | | | | | | | | | | | |
| 63 | 30.0/1.3 | | 6718 | 6345 | 1379 | 5609 | | | | | | | | 2500 | DN200 | DN200 | 1875 | 36 | Rp3 | R1 |
| 64 | 30.0/1.6 | | 6722 | 7230 | 1381 | 5611 | | | | | | | | | | | | | | |
| 65 | 40.0/0.8 | | 8676 | 4905 | 1373 | 7413 | | | | | | | | | | | | | | |
| 66 | 40.0/1.0 | | 8680 | 6024 | 1375 | 7415 | 2500 | DN200 | DN200 | 1875 | 36 | Rp3 | R1 | | | | | | | |
| 67 | 40.0/1.3 | | 8688 | 8266 | 1379 | 7419 | | | | | | | | | | | | | | |

Specifications are subject to change without notice.

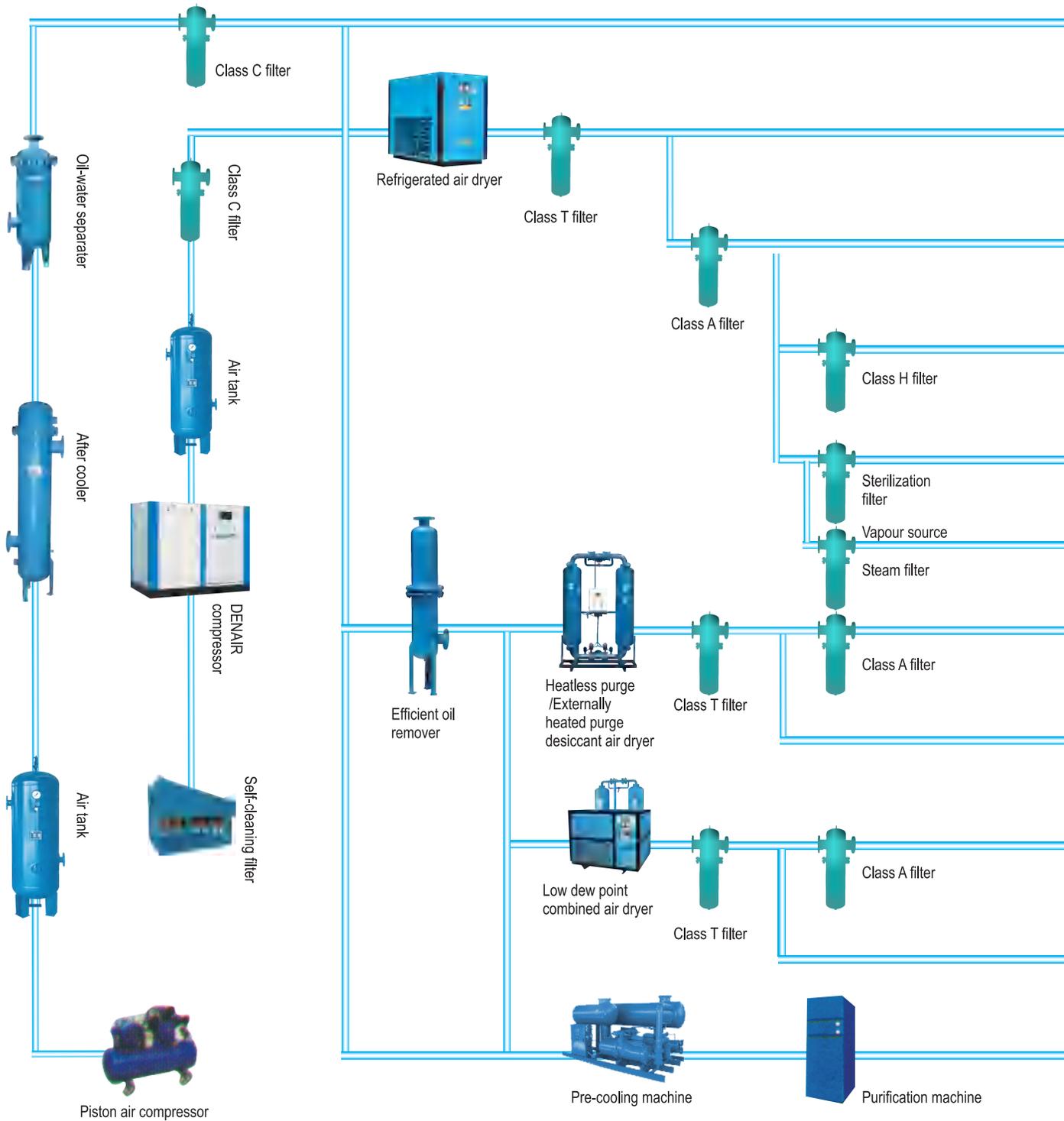
0.3 ~ 10 m³ @ 25 ~40 bar(e)

| 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 |

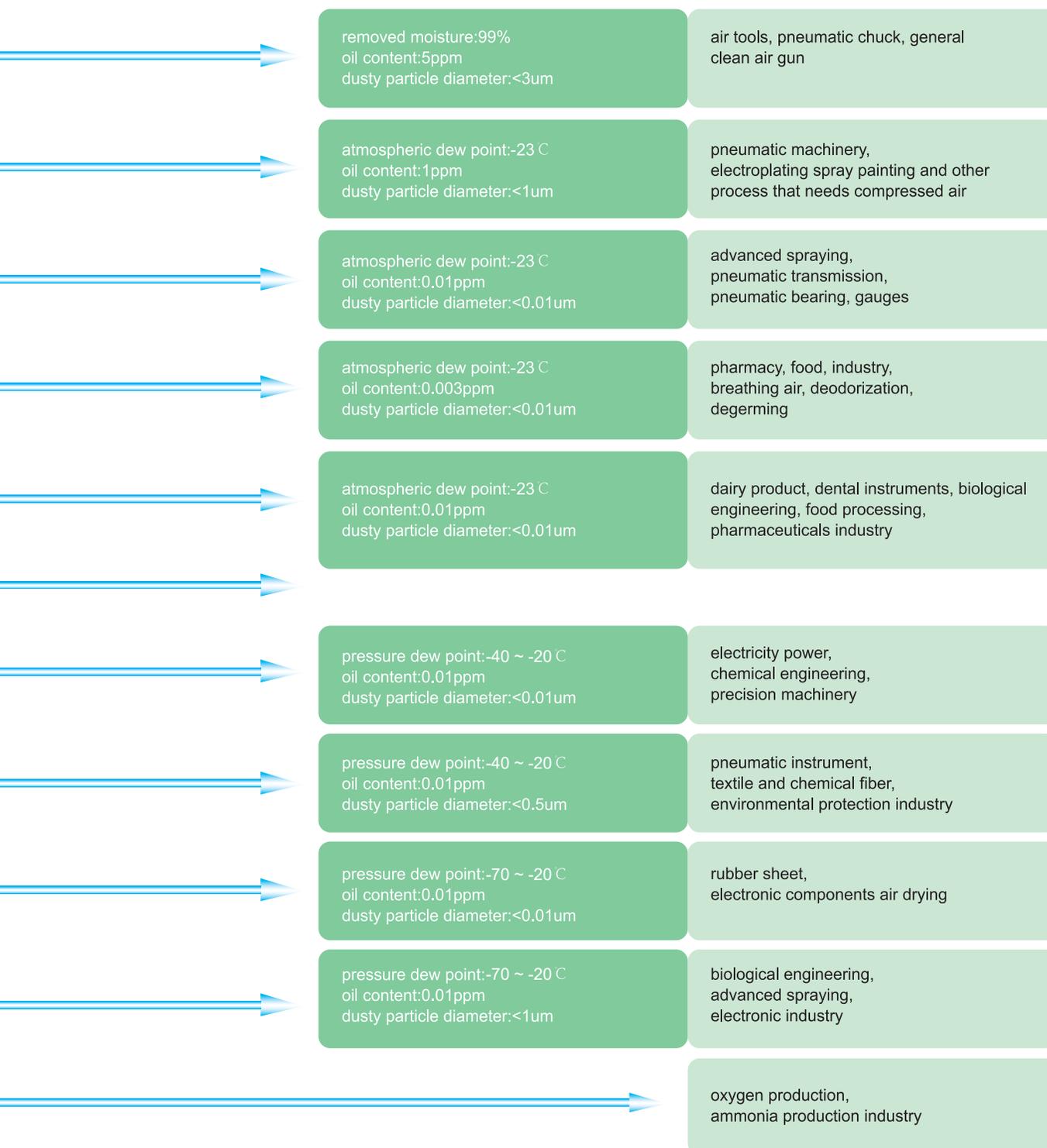
Specifications are subject to change without notice.



Flow Chart of Compressed Air Purifying System



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





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