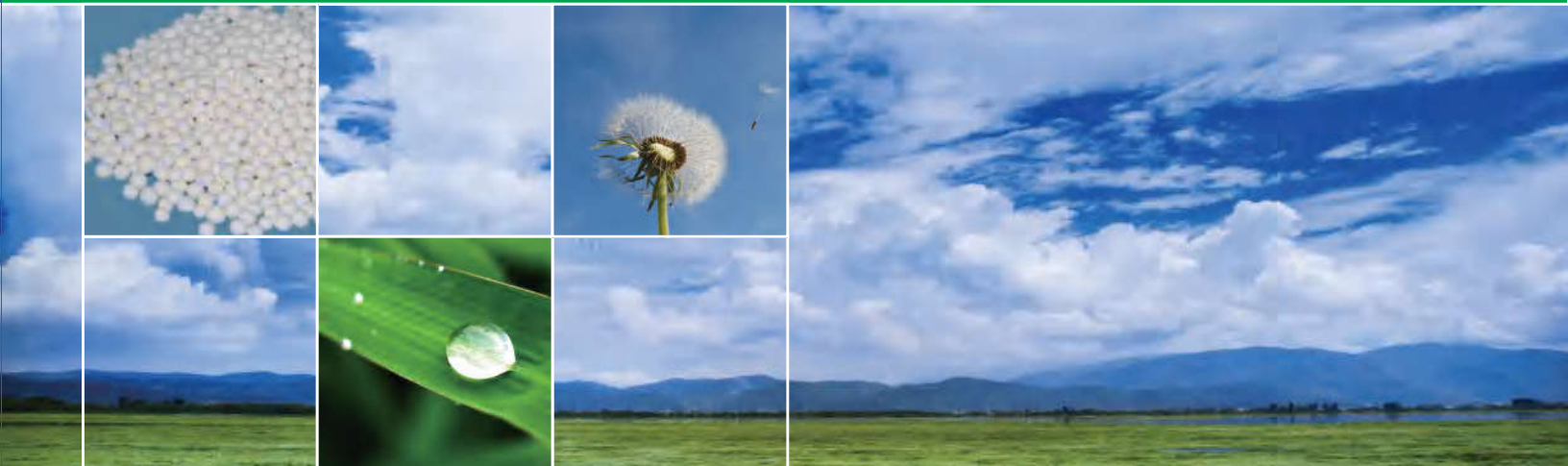


Compressed Air Treatment Equipment



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

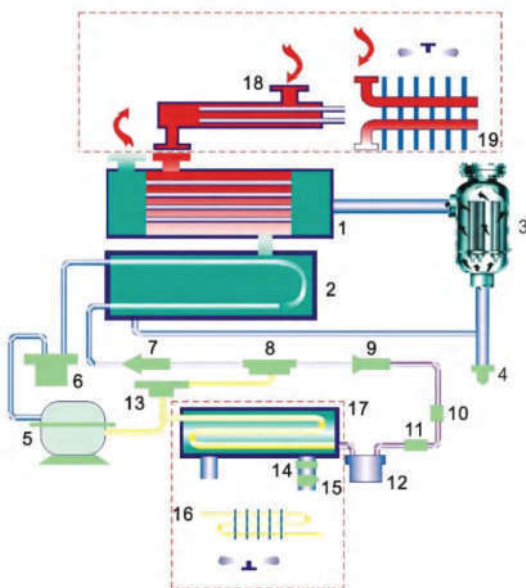
Under nominal operation conditions, the outlet dew point is 3 °C lower than that of the conventional tube shell refrigerated compressor air dryer.

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: $\leq 80^{\circ}\text{C}$ ($< 45^{\circ}\text{C}$)
Cooling method: Air-cooling
Inlet pressure: 4 ~ 13bar
Pressure drop: $\leq 0.3\text{bar}$
Dew point: 2 ~ 10°C
Refrigerant: R22



Items	Type	GD 10AC	GD 20AC	GD 30AC	GD 50AC	GD 75AC	GD 100AC	GD 150AC	GD 200AC	GD 250AC	GD 300AC	GD 350AC	GD 400AC	GD 500AC	GD 600AC
Capacity(m^3/min^*)		1.2	2.4	3.8	6.5	8.5	10.7	13.5	18.0	23.0	28.0	33.0	45.0	55.0	65.0
Voltage(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
Compressor power(kW)		0.85	0.85	1.0	1.25	1.8	2.50	2.50	3.00	4.00	4.50	5.00	7.50	9.00	10.0
Fan power(W)		55	90	150	190	190	2*150	2*150	550	550	3*150	3*190	3*240	3*380	3*670
Air in/outlet pipe diameter		ZG1	ZG1	ZG1.5	ZG1.5	ZG1.5	ZG2	ZG2	DN65	DN80	DN80	DN100	DN100	DN125	DN125
Weight(kg)		48	78	105	125	130	180	192	240	280	380	480	620	780	970
Dimensions	L(mm)	630	700	850	880	1050	1180	1180	1400	1400	1700	1840	2100	2450	2550
	W(mm)	450	450	500	550	580	670	670	640	640	850	850	1050	1100	1100
	H(mm)	640	830	920	1020	1000	1080	1080	1310	1310	1468	1520	1697	1697	1834

^{*)} m^3/min is measured at 1.0 Bar(a), 20°C ambient temperature and 0% Relative Humidity.

Specifications are subject to change without notice.

Water cooling type

Inlet temperature: $\leq 80^{\circ}\text{C}$ ($< 45^{\circ}\text{C}$)
Cooling method: Water-cooling
Inlet pressure: 4 ~ 13bar
Cooling water inlet temperature: $\leq 32^{\circ}\text{C}$
Cooling water inlet pressure: 2 ~ 4bar
Pressure drop: $\leq 0.3\text{bar}$
Dew point: 2 ~ 10°C
Refrigerant: R22



Items	Type	GD 10AW	GD 20AW	GD 30AW	GD 40AW	GD 50AW	GD 60AW	GD 80AW	GD 100AW	GD 150AW	GD 200AW	GD 300AW
Capacity(m^3/min^*)		10.7	23	33	45	55	65	85	110	160	220	300
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
Compressor power(kW)		2.5	4.0	5.0	7.5	9.0	10	15	15	30	38	60
Circulating cooling water capacity(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)	25.5(12.4)	29.5(14.6)	38(18.6)	48.8(24.4)	72(36)
Air in/outlet pipe diameter		ZG2	DN80	DN100	DN100	DN125	DN125	DN150	DN150	DN200	DN200	DN250
Condenser water pipe diameter		ZG1	ZG1.5	ZG1.5	ZG1.5	ZG1.5	ZG1.5	ZG2	ZG2	ZG2.5	ZG3	ZG3
Weight(kg)		195	350	560	720	800	1040	1600	2200	3000	3200	4100
Dimensions	L(mm)	1180	1400	1840	2100	2450	2550	2740	2960	3500	3200	4100
	W(mm)	670	640	850	1050	1100	1100	1380	1350	1600	1920	2400
	H(mm)	1080	1310	1520	1697	1697	1834	1960	2000	1879	2122	2300

^{*)} m^3/min is measured at 1.0 Bar(a), 20°C ambient temperature and 0% Relative Humidity.

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