



WhatsApp



WeChat



Wechat: 15320082297

Whatsapp/Mob: 8615320082297

E-Mail: 15320082297@126.com

jj15320082297@gmail.com

Website: www.jjaircompressor.com

Youtube/Facebook/pinterest: jj15320082297@gmail.com

pinterest/Linkedin: 15320082297@126.com

Instagram: 15320082297jj Twitter: @AirJinjing

Air Compressor Accessories & Treatment Equipment

Tianjin Jinjing Gas Compressor Manufacturing Co.,Ltd.



Our Company

01

Tianjin Jinjing Gas Compressor Manufacturing Co.,Ltd.



Tianjin Jinjing Gas Compressor Manufacturing Co.,Ltd. founded in 2005, is a leading high technology of machine and equipment manufacturer integrating the design, R&D, production, sales and service for air compressors & Mining Equipment. Adopting advanced technology, design concept and quality control, and we are able to provide customized products to meet customers' OEM needs.

Our company has more than 520 employees, including 86 senior technicians and professional engineers. Our technical team provides our customers with professional air system solutions. With the total 15000 square meters of the facility, four modern advanced production lines are built up to ensure production capacity to meet customer requirements.

Our company has been awarded the honorary title of "Tianjin high-tech enterprise" and our products enjoy high honors in the industry. Our company has the ISO9001 certification and was awarded the qualification certificate of equipment through military contracts in 2018.

We have a complete system of after-sales service and quality assurance. The company's material purchase, inspection, manufacturing, installation, and testing are strictly in accordance with the ISO procedures. which will ensure each compressor has reliable quality and has a complete record to trace, if needed.

2005
Founded

15000
Square Meters

16
Years



02

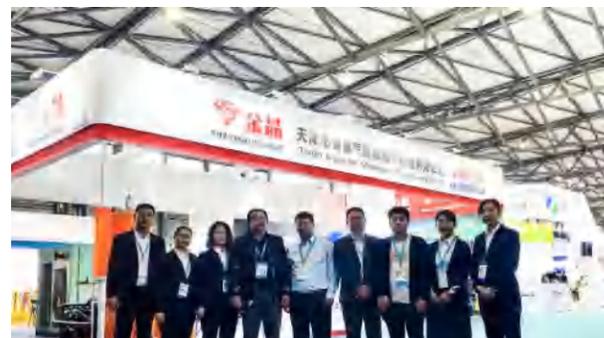
Honor Certificate



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Refrigerated compressed air dryer



Features

1. 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.

2. 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.

3. Excellent Performance

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

4. 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.

5. 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.

Inlet temperature: ≤80°C (45°C)

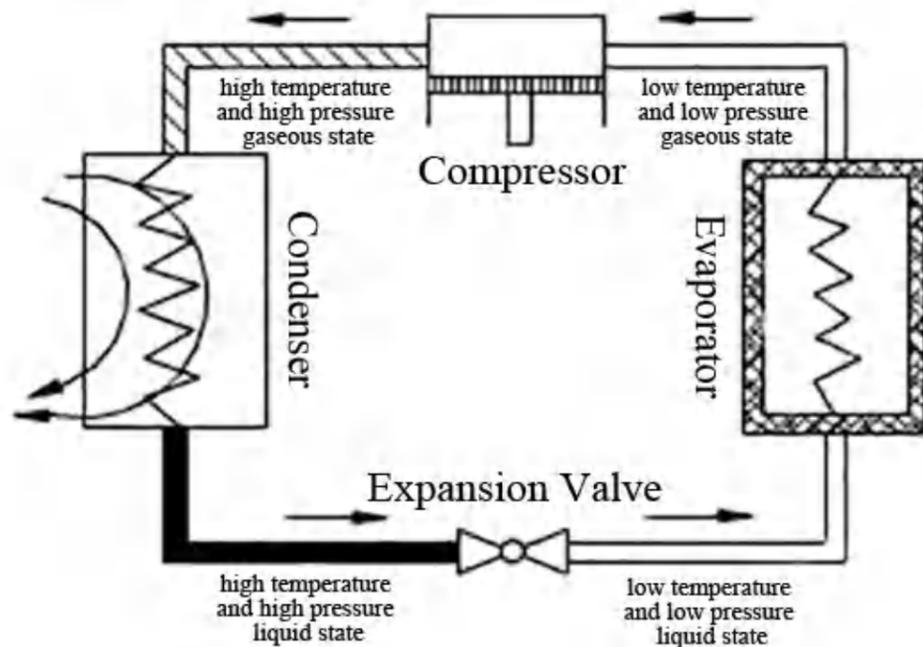
Inlet pressure: 4-13bar

Dew point: 2-10°C

Cooling method: Air-cooling

Pressure drop: ≤0.3bar

Refrigerant: R22/R410a/R134a/R407c



Model	Capacity Nm³/min	Voltage V/Hz	Compressor Power HP/KW	Fan Power W	Air Connection	Dimension mm	Weight Kg
JRAD/1.2	1.2	220/50	1/0.85	90	ZG1	630*450*650	50
JRAD/2.4	2.4	220/50	1/0.85	90	ZG1	700*450*830	80
JRAD/3.8	3.8	220/50	1.25/1.25	140	ZG1.5	850*500*900	90
JRAD/6.5	6.5	220/50	1.5/1.5	180	ZG1.5	940*610*1060	150
JRAD/8.5	8.5	220/50	2.5/1.8	180	ZG1.5	940*610*1060	160
JRAD/10.7	10.7	380/50	3.0/2.5	2*140	ZG2	1245*730*1105	240
JRAD/13.5	13.5	380/50	3.0/2.5	2*140	ZG2	1180*670*1080	260
JRAD/18	18	380/50	3.6/3.0	2*180	DN65	1470*810*1210	310
JRAD/23	23	380/50	5.0/4.0	2*220	DN80	1650*750*1290	400
JRAD/28	28	380/50	6.0/4.5	6(3)*180	DN80	1840*850*1640	450
JRAD/33	33	380/50	7.5/6.5	6(3)*220	DN100	2000*1100*1610	780
JRAD/45	45	380/50	10.5/8.8	6(3)*250	DN125	2200*1100*1610	820
JRAD/55	55	380/50	12.0/10.2	6(3)*400	DN125	2200*950*1645	900
JRAD/65	65	380/50	15.0/13.0	6(3)*400	DN125	2550*1100*1960	1100

Treatment Equipment



Adsorption compressed air drier

Treatment Equipment



Features

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

7.Pneumatic dust filter, prevent dust from entering the pneumatic control components, lower valve failure rate.

8. 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).

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

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

Purge air: ≤12 ~ 15%

Inlet oil content: ≤0.01ppm

Working periods: T= 4 ~ 20 Minutes

Desiccant: Activated aluminum or Molecular sieves

Working pressure: 6 ~ 10bar

Pressure dew point: -20°C ~ -40°C

Inlet temperature: 0°C ~ 45°C

Model	Capacity Nm ³ /min	Air Connection	Dimension mm	Weight Kg
JAAD/1.2	1.2	ZG1	800*400*1420	120
JAAD/2.4	2.4	ZG1	800*400*1520	180
JAAD/3.8	3.8	ZG1.5	1000*450*1900	300
JAAD/6.5	6.5	ZG1.5	1200*500*1950	400
JAAD/8.5	8.5	ZG1.5	1400*600*2000	510
JAAD/10.7	10.7	ZG2	1400*600*2090	700
JAAD/13.5	13.5	DN50	1400*600*2140	740
JAAD/18	18	DN65	1400*600*2200	780
JAAD/25	25	DN80	1670*650*2435	1180
JAAD/35	35	DN100	1670*650*2566	1760
JAAD/45	45	DN125	1750*750*2700	2200
JAAD/55	55	DN125	1800*750*2755	2600
JAAD/65	65	DN125	1900*700*3070	3100
JAAD/85	85	DN150	2930*1300*3370	4100
JAAD/110	110	DN150	3100*1650*3200	5200
JAAD/160	160	DN200	3240*1770*3190	6000



Precision compressed air filter



Features

1. Piston type elements to housing seal keeps unfiltered air from bypassing element.
2. Corrosion resistant filter elements, stainless steel for strengthen structural behavior, low air flow resistance and seam welding for improving strength.
3. New "matrix blended fiber media", with large effective surface area, can improve filtering rate and make sure the high efficiency, big open area and minimize pressure drop.
4. Coated and closed foam sleeve: Resists chemical attacks from oils and acids; Ensure high efficiencies by preventing re-entrance of coalesced liquids.
5. Chemically resistant end caps bound to media with specially formulated adhesive.
6. Silicone free.
7. Withstands temperatures to 66°C.

Model	Capacity Nm ³ /min	Air Connection	Dimension mm	Weight Kg
C, T, A, AA, H-012	1.2	ZG1	105*76*250	2
C, T, A, AA, H-024	2.4	ZG1	105*78*310	3
C, T, A, AA, H-038	3.8	ZG1.5	137*99*400	4
C, T, A, AA, H-065	6.5	ZG1.5	137*99*425	5
C, T, A, AA, H-010	10.7	ZG2	137*99*620	5
C, T, A, AA, H-010	10.7	DN50	310*133*860	25
C, T, A, AA, H-014	14	ZG2	135*108*750	10
C, T, A, AA, H-014	14	DN65	310*133*860	25
C, T, A, AA, H-018	18	ZG2.5	148*125*920	13
C, T, A, AA, H-018	18	DN65	310*133*860	25
C, T, A, AA, H-022	22	ZG2.5	148*125*920	14
C, T, A, AA, H-022	22	DN80	379*159*1040	44
C, T, A, AA, H-035	35	DN100	465*219*1060	65
C, T, A, AA, H-045	45	DN125	470*219*1060	68
C, T, A, AA, H-054	54	DN125	513*273*1215	96
C, T, A, AA, H-060	60	DN125	513*273*1215	96
C, T, A, AA, H-088	88	DN150	615*325*1395	140
C, T, A, AA, H-110	110	DN150	615*416*1395	145
C, T, A, AA, H-132	132	DN150	615*416*1395	210
C, T, A, AA, H-150	150	DN200	615*416*1395	220
C, T, A, AA, H-180	180	DN200	615*466*1395	235
C, T, A, AA, H-200	200	DN200	615*466*1395	240
C, T, A, AA, H-230	230	DN200	615*466*1395	265
C, T, A, AA, H-250	250	DN250	870*566*1710	274
C, T, A, AA, H-300	300	DN250	920*616*1717	312
C, T, A, AA, H-350	350	DN300	970*666*1835	371
C, T, A, AA, H-400	400	DN300	1070*766*1915	427
C, T, A, AA, H-450	450	DN350	1070*766*1915	427
C, T, A, AA, H-500	500	DN350	1070*766*1915	427
C, T, A, AA, H-550	550	DN400	1116*816*2000	493
C, T, A, AA, H-600	600	DN400	1116*816*2000	493



Compressed air tank



Air compressor accessories

Features

Compressed air storage tank refers to a cylindrical pressure vessel that stores a certain amount of compressed air, also known as an air bag. It is one of the main accessory devices of the air compressor.

The function of the compressed air storage tank is to slow down the periodic pulsation of the exhaust air flow, stabilize the pressure in the air pipe and separate the oil and water in the air.

There are two types of gas storage tanks, vertical and horizontal, and their height or length is 2-3 times the diameter.

The gas storage tank is provided with an inlet hole, a drain valve, a safety valve and a pressure gauge.

- 1.Storage capacity: Meet the sudden increase in gas consumption of the equipment.
- 2.Stable pressure fluctuation: Ensure stable output air flow in the pipeline.
- 3.Cooling air: Preliminary separation of water and oil to reduce pressure on post-processing equipment.
- 4.Reduce the number of motor starts: Protect electrical equipment and save energy.

0.8~1.6 Mpa compressed air tank

Model	Capacity m ³ /min	Pressure Mpa	Bottom diameter mm	Air inlet/outlet	Safety valve nozzle	Drain valve nozzle
JJAT0.3/0.8	0.3	0.8	550	DN50	RP3/4	RP1/2
JJAT0.3/1.0		1.0				
JJAT0.3/1.3		1.3				
JJAT0.3/1.6		1.6				
JJAT0.6/0.8	0.6	0.8	700	DN65	RP3/4	RP1/2
JJAT0.6/1.0		1.0				
JJAT0.6/1.3		1.3				
JJAT0.6/1.6		1.6				
JJAT1.0/0.8	1.0	0.8	800	DN65	RP1	RP1/2
JJAT1.0/1.0		1.0				
JJAT1.0/1.3		1.3				
JJAT1.0/1.6		1.6				
JJAT1.5/0.8	1.5	0.8	1000	DN65	RP1	RP1/2
JJAT1.5/1.0		1.0				
JJAT1.5/1.3		1.3				
JJAT1.5/1.6		1.6				
JJAT2.0/0.8	2.0	0.8	1000	DN80	RP1 1/2	RP1/2
JJAT2.0/1.0		1.0				
JJAT2.0/1.3		1.3				
JJAT2.0/1.6		1.6				
JJAT2.5/0.8	2.5	0.8	1000	DN80	RP1 1/2	RP1/2
JJAT2.5/1.0		1.0				
JJAT2.5/1.3		1.3				
JJAT2.5/1.6		1.6				
JJAT3.0/0.8	3.0	0.8	1200	DN80	RP1 1/2	RP3/4
JJAT3.0/1.0		1.0				
JJAT3.0/1.3		1.3				
JJAT3.0/1.6		1.6				
JJAT4.0/0.8	4.0	0.8	1400	DN100	RP1 1/2	RP3/4
JJAT4.0/1.0		1.0				
JJAT4.0/1.3		1.3				
JJAT4.0/1.6		1.6				
JJAT5.0/0.8	5.0	0.8	1400	DN100	RP2	RP3/4
JJAT5.0/1.0		1.0				
JJAT5.0/1.3		1.3				
JJAT5.0/1.6		1.6				
JJAT6.0/0.8	6.0	0.8	2000	DN125	RP2	RP3/4
JJAT6.0/1.0		1.0				
JJAT6.0/1.3		1.3				
JJAT6.0/1.6		1.6				
JJAT8.0/0.8	8.0	0.8	2000	DN125	RP2	RP3/4
JJAT8.0/1.0		1.0				
JJAT8.0/1.3		1.3				
JJAT8.0/1.6		1.6				



2.5~4.0 Mpa compressed air tank

Model	Capacity m ³ /min	Pressure Mpa	Bottom diameter mm	Air inlet/outlet	Safety valve nozzle	Drain valve nozzle
JJAT0.3/2.5	0.3	2.5	600	RP1 1/2	RP3/4	RP1/2
JJAT0.3/3.0		3.0				
JJAT0.3/4.0		4.0				
JJAT0.6/2.5	0.6	2.5	700	RP1 1/2	RP3/4	RP1/2
JJAT0.6/3.0		3.0				
JJAT0.6/4.0		4.0				
JJAT1.0/2.5	1.0	2.5	800	DN65	RP1	RP1/2
JJAT1.0/3.0		3.0				
JJAT1.0/4.0		4.0				
JJAT1.5/2.5	1.5	2.5	900	DN65	RP1	RP1/2
JJAT1.5/3.0		3.0				
JJAT1.5/4.0		4.0				
JJAT2.0/2.5	2.0	2.5	1000	DN80	RP1 1/4	RP1/2
JJAT2.0/3.0		3.0				
JJAT2.0/4.0		4.0				
JJAT2.5/2.5	2.5	2.5	1100	DN80	RP1 1/4	RP1/2
JJAT2.5/3.0		3.0				
JJAT2.5/4.0		4.0				
JJAT3.0/2.5	3.0	2.5	1200	DN80	RP1 1/2	RP3/4
JJAT3.0/3.0		3.0				
JJAT3.0/4.0		4.0				
JJAT4.0/2.5	4.0	2.5	1400	DN100	RP1 1/2	RP3/4
JJAT4.0/3.0		3.0				
JJAT5.0/2.0	5.0	2.5	1400	DN100	DN50	RP3/4
JJAT5.0/3.0		3.0				
JJAT6.0/2.5	6.0	2.5	1400	DN125	DN50	RP3/4
JJAT6.0/3.0		3.0				
JJAT8.0/2.5	8.0	2.5	2000	DN125	DN50	RP3/4
JJAT8.0/3.0		3.0				
JJAT10.0/2.5	10.0	2.5	2000	DN150	DN65	RP3/4

Lubrication oil for air compressor



Features

All-weather lubricating oil, specially designed for Jinjing compressors, can ensure that the machine starts quickly and easily in a low temperature and hot environment of -20° C.

Jinjing lubricating oil uses petroleum as raw material. The refined thickened liquid and internal additives can effectively prevent oxidation, reduce evaporation loss, reduce wear, prevent dust entry and corrosion, and ensure the sealing effect of the bearing.

In addition, Jinjing lubricating oil has good tolerance and separation characteristics for moisture, so its service life is very long. The warranty period for compressed main engines using Jinjing oil is five years or 10,000 hours.

The physical and chemical properties of Jinjing air compressor oil:

Flash point: 395F
 Water solubility: insoluble
 Odor: medium
 Viscosity: 35cSt@40°C
 High temperature/high shear: 4.2%w

Density: 0.86-0.90
 Color: light brown
 Physical state: liquid
 Shear stability: 5.2%