

Screw Air Compressor



The enterprise passes the ISO9001:2000 international quality system certification



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Hongkong Fengguang Industry Ltd
Dongguan City Qianwei Mechanical Equipment Technology Ltd
Airstone Screw Air Compressor Manufacturer



INTRODUCTION

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Airstone Group is considered one of the leading manufacturer of air compressor products in Guangdong, China. Airstone has over 500 employees. Our goal is to provide exceptional customer service coupled with quality products and energy saving solutions.

Airstone's primary businesses focus in following key areas: Oil-injected rotary screw compressors (Belt driven and Direct driven. Fixed speed and Variable speed. High, middle and Low pressure.) Portable air compressors (Diesel-powered and Electric motor powered) Oil free air compressors (Dry type, Scroll type, Piston type and Water-lubricated type) Centrifugal compressors

At Airstone, we earn our customers' trust and satisfaction by manufacturing the superior quality compressed air products for all industries. All of our products are designed for reliable performance, easy maintenance, and maximum energy efficiency. Airstone has been exporting to more than 150 countries across the globe. We have the largest international sales and service team in China compressor industry.

Airstone continuously innovates product development and management to meet customers' demand. The powerful enterprise culture and continuous innovation make Airstone improved rapidly to reach the business principle "Energy Saving First, Mutual Value Shared".

Airstone's vision is to be a world-renowned high-end energy-saving machinery brand, with sustainable development, constantly improving its own value and sharing it with our customers and staff, committed to continuously satisfy the needs of global companies by providing a full range of industrial air compression solutions.



The enterprise passes the ISO9001:2000 international quality system certification



WHY CHOOSE US

Choose Airstone , is to choose an Intelligent Steward



PROFESSIONAL

Airstone , a compressor manufacturer with advanced machine and professional skills supporting 24hours online service , have over 20 years experience in compressor



SERVICE

When you work with Airstone you partner with a team of compressed air experts who prioritise your needs. Our goal is to provide the best outcomes for your business, with modern, reliable equipment that is cost and energy efficient together with the right advice, and an unsurpassed commitment to service. We pride ourselves on our quick response times and reliability.



RELIABLE

We are in the unique position of being able to satisfy all your compressed air requirements. We offer it all under one roof – we produce, sell and service all aspects of compressed air. We understand how important it is for your business to be operational always. Our ability to satisfy all elements of your compressed air requirements, whether it be production, sales or service, stands us apart in the industry.



HIGH EFFICIENCY

Our standard oil injected screw air compressor meet most factory needs and we also supply Diesel, Electric and Oil Free type air compressors which are suited to projects of all sizes and scope.



INTELLIGENT

Our team of technical experts always aim to provide the right solutions to address your needs. We listen to your concerns and make sure we provide the best advice. Spiralling energy costs are affecting all businesses. To maximise the efficiency of your compressed air system we conduct Air Demand Analysis testing and reports and examine how your system can be improved to limit energy consumption and save your money. Our experienced team can train your staff in compressed air adding value to your business.

“How to choose screw air compressor

01

The Higher the IE number,the more energy saving the machine

The formulation of national energy efficiency standards is divided according to specific power, and the value of this value as the evaluation standard is more consistent with the actual use status of customers. The smaller the unit input specific power value, the more power is saved for the machine

02

Consider the safety of compressor operation

Air compressor is a kind of machine working under pressure, which is accompanied by temperature rise and pressure when working, and its operation safety should be put in the first place. Generally, the certified manufacturer's product quality assurance system is complete, and no major quality problems will occur. Even if some problems occur, the manufacturer will be responsible for three guarantees

03

Consider the combination conditions of gas field

If the field is narrow, it should be vertical; If the gas field has long distance change, mobile type shall be considered; If there is no power supply for the use occasion, the diesel engine driven type shall be selected; If there is no tap water for the use occasion, the air-cooled type must be selected

04

Consider the quality requirement of user for compressed air

Generally, the compressed air produced by the air compressor contains a certain amount of lubricating oil and water. In some cases, oil and water are prohibited. At this time, attention should be paid to choose oil free compressor



AIRSTONE HB SERIES

COMPRESSOR

Features

...

- Fix Speed Compressor
- Direct Driven
- Low Energy loss
- Star delta starting
- Stable compressed air supply



Technical data for Fix Speed compressor

Model Number	Pressure		Capacity		Motor Power	Driven method	Ambient Temperature	Connection Size	Dimensions (mm) Air Cooled			Lubricate	Weight	Noise								
	bar	psi	m³/min	cfm	kW/HP		°C		Length	Width	Height				Litres	kg	dB(A)					
AS-10HB	7	100	1.2	42.4	7.5/10	Direct driven /Belt driven	-5°C ± 50°C	RP1/2"	890	650	830	10	180	62								
	8	116	1.1	38.8																		
	10	145	0.9	31.8																		
	12	174	0.8	28.3																		
AS-15HB	7	100	1.7	60.0	11/15			Direct driven /Belt driven	-5°C ± 50°C	G3/4"	1000	700	1050	15	290	62						
	8	116	1.6	56.5																		
	10	145	1.4	49.4																		
	12	174	1.1	38.8																		
AS-20HB	7	100	2.4	84.8	15/20					Direct driven /Belt driven	-5°C ± 50°C	G3/4"	1000	700	1050	15	290	65				
	8	116	2.2	77.7																		
	10	145	2	70.6																		
	12	174	1.7	60.0																		
AS-25HB	7	100	3.1	109.5	18.5/25							Direct driven /Belt driven	-5°C ± 50°C	G1"	1150	850	1150	18	400	65		
	8	116	2.85	100.6																		
	10	145	2.3	81.2																		
	12	174	2.2	77.7																		
AS-30HB	7	100	3.6	127.1	22/30									Direct driven /Belt driven	-5°C ± 50°C	G1"	1150	820	1150	18	410	65
	8	116	3.4	120.1																		
	10	145	3.25	114.8																		
	12	174	2.7	95.3																		
AS-40HB	7	100	5.2	183.6	30/40	Direct driven /Belt driven	-5°C ± 50°C									G1"	1300	950	1250	25	580	65
	8	116	5	176.6																		
	10	145	4.3	151.9																		
	12	174	3.3	116.5																		
AS-50HB	7	100	6.8	240.1	37/50			Direct driven /Belt driven	-5°C ± 50°C							G1-1/2"	1450	930	1300	25	610	65
	8	116	6.2	218.9																		
	10	145	5.6	197.8																		
	12	174	4.0	141.3																		
AS-60HB	7	100	8	282.5	45/60					Direct driven /Belt driven	-5°C ± 50°C					G1-1/2"	1450	930	1300	30	650	65
	8	116	7.7	271.9																		
	10	145	7	247.2																		
	12	174	5.7	201.3																		
AS-75HB	7	100	10	353.1	55/75							Direct driven /Belt driven	-5°C ± 50°C			G2"	1650	1200	1540	30	1050	72
	8	116	9.2	324.9																		
	10	145	8.5	300.2																		
	12	174	7.6	268.4																		
AS-100HB	7	100	13.5	476.7	75/100									Direct driven /Belt driven	-5°C ± 50°C	G2"	1800	1200	1540	35	1150	72
	8	116	12	423.8																		
	10	145	11.2	395.5																		
	12	174	10.2	360.2																		
AS-120HB	7	100	16.1	568.6	90/120	Direct driven /Belt driven	-5°C ± 50°C									G2"	1900	1250	1570	35	1240	75
	8	116	15	529.7																		
	10	145	13.8	487.3																		
	12	174	12.3	434.4																		
AS-150HB	7	100	21	741.6	110/150			Direct driven /Belt driven	-5°C ± 50°C							DN65	2300	1470	1840	60	1800	75
	8	116	18.9	667.4																		
	10	145	18.7	660.4																		
	12	174	14.5	512.1																		
AS-175HB	7	100	25.2	889.9	132/175					Direct driven /Belt driven	-5°C ± 50°C					DN65	2300	1470	1840	60	1980	75
	8	116	24	847.5																		
	10	145	21.5	759.3																		
	12	174	18.5	653.3																		
AS-200HB	7	100	28.7	1013.5	160/200							Direct driven /Belt driven	-5°C ± 50°C			DN85	2700	1700	2300	80	2750	78
	8	116	27.2	960.5																		
	10	145	24.6	868.7																		
	12	174	21.3	752.2																		
AS-250HB	7	100	32	1130.0	182/250									Direct driven /Belt driven	-5°C ± 50°C	DN85	2700	1700	2300	80	3250	78
	8	116	30.5	1077.1																		
	10	145	27.5	971.1																		
	12	174	24.8	875.8																		
AS-300HB	7	100	36.7	1296.0	220/300	Direct driven /Belt driven	-5°C ± 50°C									DN100	3200	2000	2500	80	3560	82
	8	116	34.7	1225.4																		
	10	145	30.2	1066.5																		
	12	174	27.8	981.7																		
AS-350HB	7	100	42.8	1511.4	250/350			Direct driven /Belt driven	-5°C ± 50°C							DN100	3200	2000	2500	120	4200	82
	8	116	40.5	1430.2																		
	10	145	38.1	1345.5																		
	12	174	34.5	1218.3																		

AIRSTONE HVF SERIES

COMPRESSOR

Features

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- Energy saving 15% compared to Fix speed
- Three phase AC asynchronous motor
- Heat Resistance up to 180°C
- Inverter starting/ star delta starting



Technical data for inverter type (HVF Series) compressor													
Model Number	Pressure		Capacity		Motor Power	Ambient Temperature	Connection Size	Dimensions (mm) Air Cooled			Lubricate	Weight	Noise
	bar	psi	m³/min	cfm	kW/HP	°C		Length	Width	Height	Litres	kg	dB(A)
AS-10HVF	7	100	1.2	42.4	7.5/10	-5°C ± 50°C	RP1/2"	890	650	830	10	190	62
	8	116	1.1	38.8									
	10	145	0.9	31.8									
	12	174	0.8	28.3									
AS-15HVF	7	100	1.7	60.0	11/15		G3/4"	1000	700	1050	15	300	62
	8	116	1.6	56.5									
	10	145	1.4	49.4									
	12	174	1.1	38.8									
AS-20HVF	7	100	2.4	84.8	15/20		G3/4"	1000	700	1050	15	300	65
	8	116	2.2	77.7									
	10	145	2	70.6									
	12	174	1.7	60.0									
AS-25HVF	7	100	3.1	109.5	18.5/25		G1"	1150	850	1150	18	410	65
	8	116	2.85	100.6									
	10	145	2.3	81.2									
	12	174	2.2	77.7									
AS-30HVF	7	100	3.6	127.1	22/30		G1"	1150	850	1150	18	420	65
	8	116	3.4	120.1									
	10	145	3.25	114.8									
	12	174	2.7	95.3									
AS-40HVF	7	100	5.2	183.6	30/40		G1"	1300	950	1250	25	490	65
	8	116	5	176.6									
	10	145	4.3	151.9									
	12	174	3.3	116.5									
AS-50HVF	7	100	6.8	240.1	37/50		G1-1/2"	1450	930	1300	25	620	65
	8	116	6.2	218.9									
	10	145	5.6	197.8									
	12	174	4.0	141.3									
AS-60HVF	7	100	8	282.5	45/60		G1-1/2"	1450	930	1300	30	660	65
	8	116	7.7	271.9									
	10	145	7	247.2									
	12	174	5.7	201.3									
AS-75HVF	7	100	10	353.1	55/75		G2"	1650	1200	1540	30	1100	72
	8	116	9.2	324.9									
	10	145	8.5	300.2									
	12	174	7.6	268.4									
AS-100HVF	7	100	13.5	476.7	75/100		G2"	1800	1200	1540	35	1200	72
	8	116	12	423.8									
	10	145	11.2	395.5									
	12	174	10.2	360.2									
AS-120HVF	7	100	16.1	568.6	90/120		G2"	1900	1250	1570	35	1300	75
	8	116	15	529.7									
	10	145	13.8	487.3									
	12	174	12.3	434.4									
AS-150HVF	7	100	25.2	741.6	110/150		DN65	2300	1470	1840	60	1830	75
	8	116	21	667.4									
	10	145	18.9	660.4									
	12	174	14.5	512.1									
AS-175HVF	7	100	25.2	889.9	132/175	DN65	2300	1470	1840	60	2000	75	
	8	116	24	847.5									
	10	145	21.5	759.3									
	12	174	18.5	653.3									
AS-200HVF	7	100	28.7	1013.5	160/200	DN85	2700	1700	2300	60	2800	78	
	8	116	27.2	960.5									
	10	145	24.6	868.7									
	12	174	21.3	752.2									
AS-250HVF	7	100	32	1130.0	185/250	DN85	2700	1700	2300	80	3300	78	
	8	116	30.5	1077.1									
	10	145	27.5	971.1									
	12	174	24.8	875.8									
AS-300HVF	7	100	36.7	1296.0	220/300	DN100	3200	2000	2500	80	3600	82	
	8	116	34.7	1225.4									
	10	145	30.2	1066.5									
	12	174	27.8	981.7									
AS-350HVF	7	100	42.8	1511.4	250/350	DN100	3200	2000	2500	120	4250	82	
	8	116	40.5	1430.2									
	10	145	38.1	1345.5									
	12	174	34.5	1218.3									

AIRSTONE PMC SERIES

COMPRESSOR

Features

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- PM Variable speed compressor
- High efficiency IE4 synchronous motor
- Low Noise
- VSD soft starting
- Energy saving above 20%



Technical data for permanent magnet inverter compressor										
Model Number	Pressure		Capacity	Motor Power	Connection Size	Dimensions (mm) Air Cooled			Weight	Noise
	bar	psi	m³/min	kW/HP		Length	Width	Height	kg	dB(A)
AS-10PMC	7	100	0.36-1.14	7.5/10	RP1/2"	890	650	830	190	62
	8	116	0.33-1.04							
	10	145	0.28-0.855							
AS-15PMC	7	100	0.51-1.62	11/15	G3/4"	1000	700	1050	310	62
	8	116	0.48-1.52							
	10	145	0.42-1.33							
AS-20PMC	7	100	0.72-2.3	15/20	G3/4"	1000	700	1050	320	65
	8	116	0.66-2.1							
	10	145	0.62-1.9							
AS-25PMC	7	100	0.93-3.0	18.5/25	G1"	1150	850	1150	410	65
	8	116	0.87-2.78							
	10	145	0.81-2.2							
AS-30PMC	7	100	1.41-3.42	22/30	G1"	1150	850	1150	420	65
	8	116	1.1-3.23							
	10	145	1.96-3.1							
AS-40PMC	7	100	1.59-5.0	30/40	G1"	1300	950	1250	480	65
	8	116	1.5-4.83							
	10	145	1.35-4.1							
AS-50PMC	7	100	2.04-6.2	37/50	G1-1/2"	1450	930	1300	620	65
	8	116	1.86-5.9							
	10	145	1.68-5.32							
AS-60PMC	7	100	2.22-7.6	45/60	G1-1/2"	1450	930	1300	660	65
	8	116	2.16-7.3							
	10	145	2.04-6.65							
AS-75PMC	7	100	3.15-9.5	55/75	G2"	1650	1200	1540	1100	72
	8	116	2.88-8.74							
	10	145	2.79-8.10							
AS-100PMC	7	100	4.18-13.0	75/100	G2"	1800	1200	1540	1200	72
	8	116	4.05-11.5							
	10	145	3.75-10.8							
AS-120PMC	7	100	4.95-16.0	90/120	G2"	1900	1250	1570	1300	75
	8	116	4.59-15.0							
	10	145	4.17-13.5							
AS-150PMC	7	100	6.36-21.2	110/150	DN65	2300	1470	1840	1830	75
	8	116	5.94-19.8							
	10	145	5.58-18.6							
AS-175PMC	7	100	7.29-24.0	132/175	DN65	2300	1470	1840	2000	75
	8	116	7.14-22.8							
	10	145	6.63-20.5							
AS-200PMC	7	100	8.61-28.5	160/200	DN85	2700	1700	2300	2800	78
	8	116	8.28-27.2							
	10	145	7.38-24.6							
AS-250PMC	7	100	9.6-31.0	185/250	DN85	2700	1700	2300	3300	78
	8	116	9.15-29.0							
	10	145	7.25-27.5							
AS-300PMC	7	100	11.0-35.0	220/300	DN100	3200	2000	2500	3600	82
	8	116	10.3-33.1							
	10	145	9.06-29.7							
AS-350PMC	7	100	12.6-41.0	250/350	DN100	3200	2000	2500	4250	82
	8	116	12.1-38.5							
	10	145	11.4-36.2							

AIRSTONE BD SERIES

COMPRESSOR

Features

- ...
- Double stage PM Variable speed compressor
- High efficiency IE4 synchronous motor
- Energy saving above 31%
- High discharge capacity/VSD soft starting



Technical data for Double stage compressor

Model Number	Pressure		Capacity	Motor Power	Connection Size	Dimensions (mm) Air Cooled			Weight	Lubricate	Noise
	bar	psi	m³/min	kW/HP		Length	Width	Height	kg	Litres	dB(A)
AS-30BD	7	100	4.2	22/30	RP1 1-2	1580	1080	1290	760	22	68
	8	116	4.1								
	10	145	3.5								
	13	190	3.2								
AS-40BD	7	100	6.4	30/40	RP1 1-2	1880	1180	1520	980	30	68
	8	116	6.3								
	10	145	4.9								
	13	190	4.2								
AS-50BD	7	100	7.1	37/50	RP1 1-2	1880	1180	1520	1080	36	68
	8	116	7.0								
	10	145	5.8								
	13	190	5.4								
AS-60BD	7	100	9.8	45/60	RP2	2180	1430	1720	1980	45	68
	8	116	9.7								
	10	145	7.8								
	13	190	6.5								
AS-75BD	7	100	12.2	55/75	RP2	2180	1430	1720	2180	48	72
	8	116	12.0								
	10	145	9.6								
	13	190	8.6								
AS-100BD	7	100	16.8	75/100	RP2	2180	1430	1720	2280	54	72
	8	116	16.5								
	10	145	12.5								
	13	190	11.2								
AS-120BD	7	100	19.8	90/120	RP2 1-2	2780	1580	2160	3200	65	75
	8	116	19.2								
	10	145	16.9								
	13	190	14.3								
AS-150BD	7	100	23.6	110/150	RP2 1-2	2780	1580	2160	3360	70	75
	8	116	23.1								
	10	145	19.7								
	13	190	17.6								
AS-175BD	7	100	30.7	132/175	DN80	2980	1880	2160	3450	80	75
	8	116	28								
	10	145	23.5								
	13	190	19.8								
AS-200BD	7	100	34.5	160/200	DN80	2980	1880	2160	3850	110	78
	8	116	33.6								
	10	145	30								
	13	190	23.8								
AS-250BD	7	100	41	185/250	DN100	3388	2200	1960	4980	150	78
	8	116	38.4								
	10	145	32.5								
	13	190	28.6								
AS-300BD	7	100	44.6	220/300	DN100	3388	2200	1960	5390	160	82
	8	116	43								
	10	145	38.5								
	13	190	28.6								
AS-350BD	7	100	50	250/350	DN125	4120	2130	2000	6800	180	82
	8	116	54								
	10	145	46								
	13	190	40								

LOW PRESSURE SINGLE STAGE

LP SERIESE COMPRESSOR

...

PM variable speed type compressor
Large rotor with low speed



The enterprise passes the ISO9001:2000 international quality system certification



Technical data for low pressure single stage compressor

Model	Air flow m³/min			Power Kw	Noise dB(A)	Outlet	size(mm)			Weight kg
	0.15-0.3Mpa	0.4Mpa	0.5Mpa				Length	Width	Height	
AS37LP	4.00-12.00	3.30-10.00	3.00-9.00	37	65	DN80	2400	1760	1700	2500
AS45LP	5.00-15.00	3.83-11.50	3.67-11.00	45	65	DN80	2400	1760	1700	2500
AS55LP	5.83-17.50	5.67-17.00	4.83-14.50	55	70	DN80	2400	1760	1700	2600
AS75LP	7.17-21.50	7.00-21.00	/	75	70	DN100	2800	1860	1900	3200
AS90LP	9.60-28.80	/	7.17-21.50	90	72	DN100	2800	1860	1900	3300
AS110LP	11.00-33.00	9.50-28.50	9.33-28.00	110	72	DN125	2900	2100	2150	4500
AS132LP	15.80-47.40	10.83-32.50	/	132	78	DN125	2900	2100	2150	4500
AS160LP	/	15.67-47.00	/	160	78	DN125	3000	2200	2180	4700
AS185LP	/	/	15.50-46.50	185	78	DN125	3000	2200	2180	4700

Features

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“

01

With suitable pressure to obtain the best exhaust volume with less energy consumption

02

The use of low-pressure screw air compressors saves more than 30% of electricity compared with the use of 0.7-0.8Mpa screw air compressors

03

Special customization for textile industry machine and embroidery industry

04

Full LCD touch screen controller, adopts advanced PID fuzzy control, high-efficiency permanent magnet motor, and the protection level reaches IP55

05

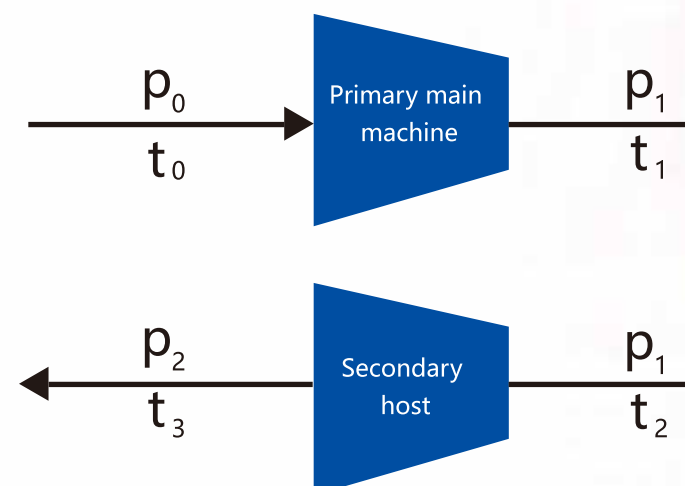
Low noise, small leakage, high efficiency, 15~20% energy saving than piston machine

Low Pressure Double Stage Screw Air Compressor

Model	Capacity(m³/min)		Power Kw	Noise dB(A)	Outlet	Weight kg	size(mm)		
	0.45-0.5Mpa	0.55Mpa					Length	Width	Height
AS37LDM	3.43-10.30	3.2-9.6	37	68	G2	1438	2300	1300	1830
AS45LDM	4.27-12.8	3.93-11.8	45	70	G2	1534	2300	1300	1830
AS55LDM	5.17-15.5	4.83-14.5	55	70	DN65	1980	2400	1630	1980
AS75LDM	6.9-20.70	6.33-19.00	75	72	DN65	2080	2400	1630	1980
AS90LDM	8.53-25.60	7.86-23.60	90	72	DN65	4700	2800	1828	2150
AS110LDM	11.67-35.00	10.33-31.00	110	72	DN80	4850	2800	1828	2150
AS132LDM	12.83-38.50	11.66-35.00	132	78	DN80	4850	2800	1828	2150
AS160LDM	14.67-44.00	14.00-42.00	160	78	DN125	5000	3000	1900	2190
AS185LDM	17.00-51.00	15.60-47.00	185	78	DN125	5300	3000	1900	2190

ENERGY SAVING PRINCIPLE OF LOW PRESSURE Double stage air compressor

...
The oil injected screw air compressor adopts bipolar compression to improve the energy efficiency of the compressor. The bipolar compression screw host adopts two-stage segmented compression, namely the first stage compression and the second stage compression. After the first stage compression, oil and gas can be fully mixed between stages to reduce the suction temperature of the second stage compression, thus reducing power consumption



Advantages and Features

...

01

Permanent magnet motor+efficient two-stage compressor host+permanent magnet frequencyconversion controltechnology, saving 1 kilowatthour of electricity per cubic meter of compressed air produced by a single low-voltage host

02

New generation of frequency conversion control system, with pressure fluctuation controlled within $\pm 0.01\text{Mpa}$, almost no energy loss caused by pressure rise

03

Energy loss caused by non unloading state directly saves 45% of no-load power consumption

04

High performance frequency converter, small starting impact, avoid starting overload

05

Specially designed frequency conversion cabinet, the operation is still perfect when the temperature reaches $45\text{ }^{\circ}\text{C}$

ALL IN ONE SCREW

AIR COMPRESSOR SERIES

(4 in 1 compressor) 8bar

...

including compressor, air dryer, tank and 4 pcs of line filter
Pressure:8bar-12bar/easy to install



New design



Technical data Fix speed 4 in 1 compressor

Model Number	Capacity	Motor Power	Connection Size	Dimensions (mm) Air Cooled			Weight	Tank volume	Noise
	m³/min	kW/HP		Length	Width	Height	kg	Litre	dB(A)
AS-7.5A/8	0.75	5.5kw/7.5hp	G1/2"	1206	700	1285	260	150	62
AS-10A/8	1.1	7.5kw/10hp	G1/2"	1400	700	1380	310	230	62
AS-10A/8 (New)	1.1	7.5kw/10hp	G1/2"	1400	700	1380	310	230	62
AS-15A/8	1.6	11kw/15hp	G3/4"	1450	750	1500	430	230	65
AS-20A/8	2.2	15kw/20hp	G3/4"	1450	750	1500	430	300	65
AS-20A/8(New)	2.2	15kw/20hp	G3/4"	1550	850	1500	430	400	65

Technical data PM variable speed 4 in 1 compressor

Model Number	Capacity	Motor Power	Connection Size	Dimensions (mm) Air Cooled			Weight	Tank volume	Noise
	m³/min	kW/HP		Length	Width	Height	kg	Litre	dB(A)
AS-10V/8	1.1	7.5kw/10hp	G1/2"	1400	700	1380	310	230	62
AS-15V/8	1.6	11kw/15hp	G3/4"	1450	750	1500	430	230	65
AS-20V/8	2.2	15kw/20hp	G3/4"	1450	750	1500	430	300	65

ALL IN ONE SCREW

AIR COMPRESSOR SERIES

(4 in 1 compressor) 16bar

...

16bar integrated screw air compressor for laser cutting machine
including compressor, air dryer, tank and 4 pcs of line filter
Pressure:16 bar/Permanent magnet inverter Type



Technical parameter										
Model Number	Capacity	Motor Power	Connection Size	Dimensions (mm) Air Cooled			Weight	Tank volume	Noise	Maximum oil content
	m³/min	kW/HP		Length	Width	Height	kg	Litre	dB(A)	ppm
AS-15A/16	1.1	11kw/15hp	G3/4"	1450	860	1600	470	300litre	65	0.001
AS-20A/16	1.4	15kw/20hp	G3/4"	1450	860	1600	470	300litre	65	0.001
AS-30A/16	2.3	22kw/30hp	G1"	1650	1060	1750	515	300litre	65	0.001
AS-30C/16	2.3	22kw/30hp	G1"	1950	1450	2300	810	600litre/1000litre	65	0.001
AS-50C/16	3.4	22kw/30hp	G1"	1530	1830	2350	1300	1000litre	70	0.001

16 BAR COMBINED SCREW

AIR COMPRESSOR

...

Applicant for laser cutting machine
Combined type with dryer and tank
Easy to install



OIL INJECTED SCREW

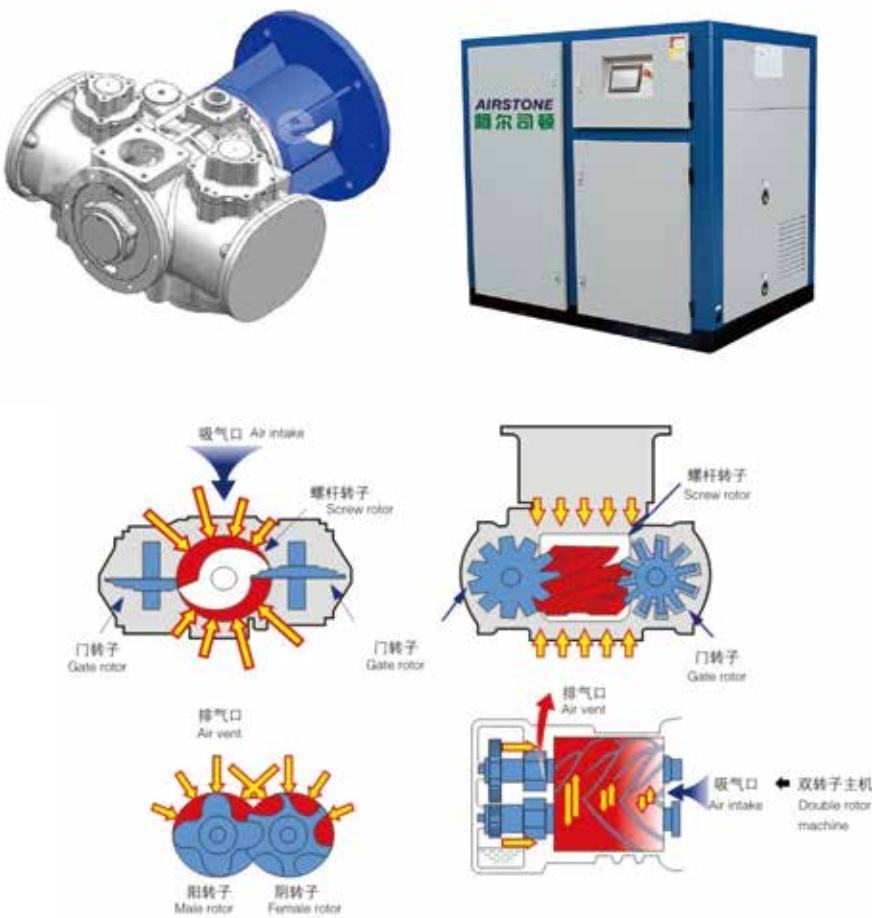
AIR COMPRESSOR 30BAR



Model	Power (kw)	Pressure(bar)	Capacity (m3/min)	Dimension (mm)	Weight(Kg)	Outlet(mm)	Noise(dB)
AS22F-30	22	30	2.3	1650*900*1630	1100	DN25	62
AS45F30	45	30	3.5	1650*900*1630	1260	DN25	65
AS55F30	55	30	5	1700*1150*1850	1420	DN25	67
AS75F30	75	30	6.5	1700*1150*1850	1490	DN32	69
AS90F30	90	30	8.5	1900*1350*2100	1800	DN40	72
AS110F30	110	30	10	1900*1350*2100	1900	DN40	73
AS132F30	132	30	13	2000*1500*2200	2300	DN40	75
AS160F30	160	30	16	2000*1500*2200	2600	DN50	78
AS185F30	185	30	18	2200*1700*2300	2850	DN50	78
AS220F30	220	30	22	2500*1700*2300	3430	DN50	81

OIL INJECTED SCREW

AIR COMPRESSOR 40BAR



Model	Power (kw)	Pressure(bar)	Capacity (m3/min)	Dimension (mm)	Weight(Kg)	Outlet(mm)	Noise(dB)
AS45F40	45	40	3.5	1650*900*1630	1260	DN25	65
AS55F40	55	40	5	1700*1150*1850	1420	DN25	67
AS75F40	75	40	6.5	1700*1150*1850	1490	DN32	69
AS90F40	90	40	8.5	1900*1350*2100	1800	DN40	72
AS110F40	110	40	10	1900*1350*2100	1900	DN40	73
AS132F40	132	40	13	2000*1500*2200	2300	DN40	75
AS160F40	160	40	16	2000*1500*2200	2600	DN50	78
AS185F40	185	40	18	2200*1700*2300	2850	DN50	78
AS220F40	220	40	22	2500*1700*2300	3430	DN50	81
AS250F40	250	40	25	2500*1700*2300	3560	DN65	82

ADDITIONAL FUNCTION

INTELLIGENT CONTROL

...

The touch screen remote monitoring system for screw air compressors is a system developed on our programmable touch screen platform to monitor the operation of multiple air compressors through a touch screen. The system has the following advantages.



Advantages

- The operation of 1-8 air compressors can be monitored by setting.

- Intelligent constant pressure, automatically switch the operation of the network follow compressor. Ensure that each piece of equipment has a balanced operating time during a maintenance cycle.

- During joint control operation, the number of operating devices in the network can be limited to prevent more equipment from being turned on when the pressure is not enough, which will impact the user's power grid. It is suitable for occasions where the user's incoming power is insufficient; It saves energy and saves money for users.

- Support accumulated running time priority mode and designated order priority mode. In the accumulated running time priority mode, it supports priority operation of variable frequency machines in industrial frequency and variable frequency networks to achieve constant voltage. When the order priority mode is specified, different priority operation orders can be set from Monday to Sunday.

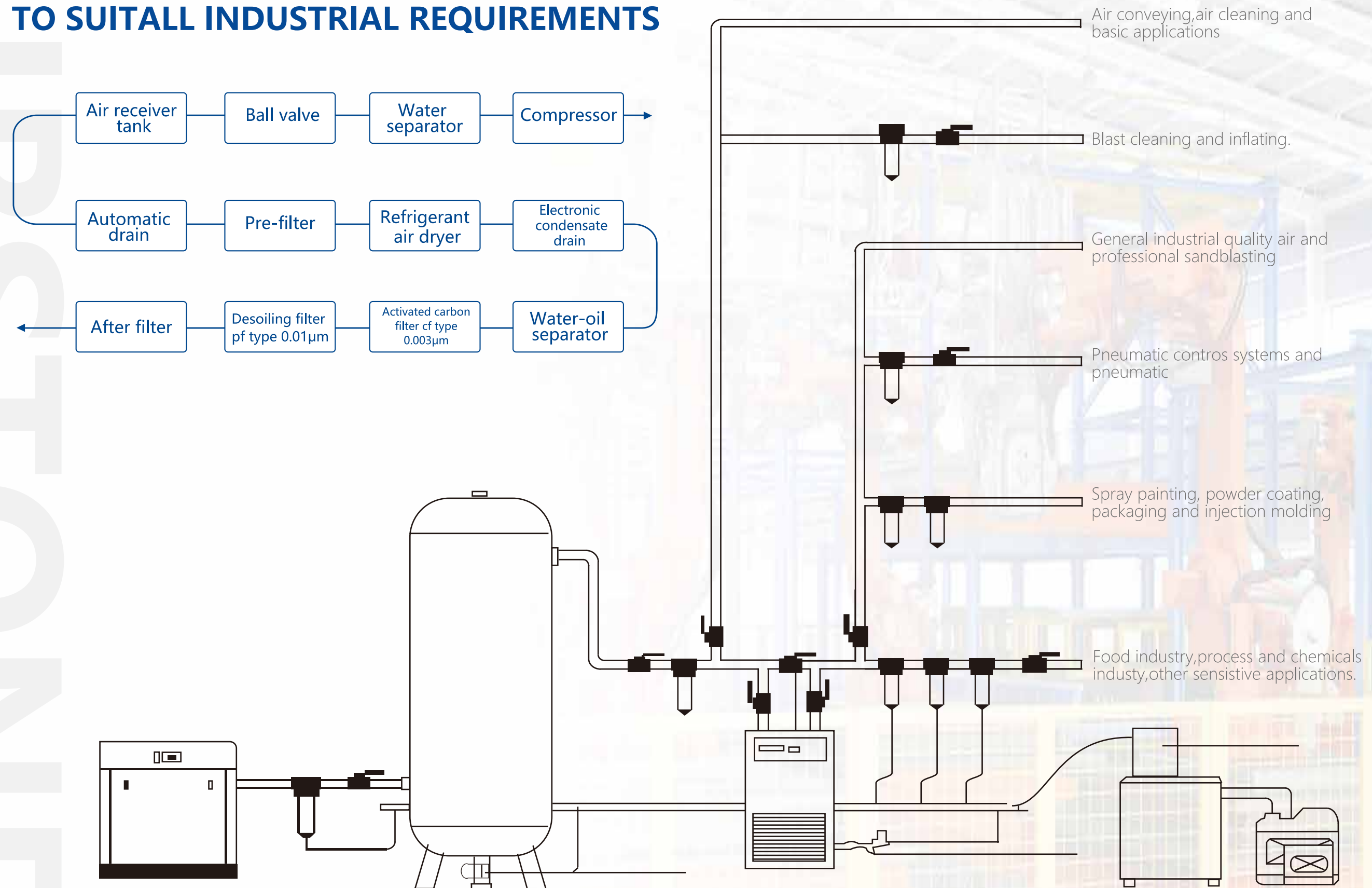
- When the joint control is stopped, it supports to automatically send shutdown instructions to all devices in the network according to the interval. Achieve one-key shutdown.

- Joint control screen have 50 log records, record the last 50 start and stop joint control information, and the control commands actively sent by the joint control screen for users to consult.

- The user can remotely view the joint control status and the operating parameters of the equipment in the network through the mobile phone. Authorized users can remotely start or stop the joint control operation through their mobile phones. Internet of things joint control screen monitoring system

- The touch screen has two RS485 interface, which is used to read the data of the air compressor and upload the data to the DCS system. The communication between the touch screen and the air compressor is realized by the RS485-2 port, and the RS485-1 interface is used for the touch screen and the central management. The central processing unit can read the running status of the joint control air compressor and the current running state of the joint control screen through RS485-1.

COMPRESSED AIR INSTALLATION TO SUITALL INDUSTRIAL REQUIREMENTS



AIR-COOLED AC SERIES
SPECIFICATIONS



Design criterion
Operating pressure:design criterion-0.7Mpa(0.4Mpa min,1.0Mpa max)
Air Inset Temperature: (Economic one < 45°C can be choosen)
Environmental Requirements
Temperature: <38°C,if>38°C ,air convection device needed
Installed Environment: good ventilation,no dust and flying catkons

Technical parameter									
Type	Flowrate (m3/min)	Refrigeration Compressor Power(KW)	Power Supply (V/HZ)	Inlet/Outlet	Dimension(mm)			Matched Air Compressor Power	Weight(KG)
					Length	Width	Height		
AC-10	1.5	0.590	220	G-1"	730	420	720	7.5	50
AC-20	2.5	0.750	220	G1-1/2"	780	450	820	15	60
AC-30	3.8	0.880	220	G1-1/2"	900	540	910	22	80
AC-50	6.9	1.235	220	G-2"	1000	540	1000	37	100
AC-75	11.0	1.730	220	G2-1/2"	1100	540	1100	55	130
AC-100	14.0	2.600	380	G2-1/2"	1195	600	1115	75	145
AC-120	15-16	2.700	380	G-3"	1300	650	1240	90	230
AC-150	18-20	2.800	380	G-3"	1300	650	1240	90	235
AC-200	22.0	3.000	380	G-3"	1450	700	1320	110	240
AC-250	28.0	3.750	380	G-3"	1450	700	1370	150	366
AC-275	32.0	4.660	380	DN80	1550	700	1400	160	398
AC-300	36.0	6.490	380	DN100	1850	950	1500	200	580
AC-400	45-50	8.850	380	DN100	1950	950	1550	250	655
AC-500	55.0	9.980	380	DN125	2100	1000	1650	315	815
AC-600	67.0	10.500	380	DN150	2300	1100	2000	355	1106
AC-700	75.0	11.250	380	DN150	2350	1100	2000	400	1223
AC-800	85.0	13.500	380	DN150	2450	1200	2200	450	1685

Specifications are subject to change,please refer to actual products.

WATER-COOLED ND SERIES
SPECIFICATIONS



Product Features
Air pressure dew point reaches 5°C
Atomospheric dew point reaches -17°C -23°C
Power consumption: 17% less than same types from other factories
Service Condition
Operating Pressure: design criterion-0.7Mpa(0.4Mpa min, 1.0 Mpamax)
Air inlet Temperature:Exhaust temperature of air compressor ≤45°C

Technical parameter									
Type	Flowrate (m3/min)	Refrigeration Compressor Power (KW)	Inlet/Outlet	Inlet/Outlet (L/min)	Dimension(mm)			Compressor	Weight(KG)
					Length	Width	Height		
ND-100	14.0	2.60	G2-1/2"	60	1195	600	1115	75	231
ND-150	18.0	2.80	G-3"	65	1300	650	1240	90	286
ND-200	22.0	3.00	G-3"	70	1450	700	1320	110	365
ND-250	28.0	3.75	G-3"	90	1450	700	1370	150	410
ND-300	32.0	4.66	DN80	100	1550	700	1400	160	442
ND-350	38.0	6.49	DN100	112	1850	950	1500	200	595
ND-400	46.0	8.85	DN100	150	1950	950	1550	250	685
ND-500	55.0	9.98	DN125	180	2100	1000	1650	315	858
ND-600	67.0	10.50	DN150	225	2100	1000	1800	355	1106
ND-700	75.0	11.25	DN150	250	2100	1000	1950	400	1223
ND-800	85.0	13.50	DN150	300	2400	1250	1950	450	1685
ND-900	95.0	15.00	DN200	325	2550	1400	2000	500	2105
ND-1000	110.0	18.75	DN200	375	2650	1500	2000	630	2326
ND-1200	130.0	21.25	DN200	425	2750	1550	2000	720	2500
ND-1350	150.0	23.75	DN200	475	2850	1600	2100	800	2680
ND-1500	170.0	26.25	DN200	525	3000	1650	2100	900	2854
ND-2000	230.0	37.50	DN250	750	3800	1950	2300	1200	3896
ND-2500	290.0	45.00	DN250	900	4300	2100	2300	1500	4104
ND-3000	370.0	52.50	DN300	1050	5300	2300	2500	2000	4988

Specifications are subject to change,please refer to actual products.

ADSORPTION DRYER

HEAT REGENERATIVE
ADSORPTION DRYER YW SERIES

Adsorption type compressed air dryer is used to remove the moisture in the air, make the compressed air dew point below-40 DEG C and even reach to -70DEGC.The dew point of compressed air is related to the cycle of desiccant (activated alumina and molecular sieve) and inlet temperature of compressed air.The machine is based on the principle pressure swing adsorption"and method"no heat regeneration(or tepe factionregeneration)",using the structure of Twin Towers,One of the towers adsorpt the moisture in the air under a certainpressure,another tower regenerate the desiccant in the adsorption tower with a small portion of the dry air which is slightlyhigher than the atmospheric pressure, after a certain time,two towers switch between, it can guarantee a continuoussupplcation of the dry compressed air each tower achieves a"adsorption regeneration- pressurized" process.

...



Technical parameter

Rated Processing Air Flow	20-150m³/min	Pressure Drop	≤0.021 Mpa
Inlet Pressure	0.45-1.0Mpa(0.7Mpa)	Absorbate	Activated aluminium oxide、 molecular sieve
Inlet temperature	≤40°C(38°C)	Regeneration Method	(70-95°C)Micro-heating
Inlet oil Content	0.08ppm (0.1mg/m³)	Working Method	Auto switch of two towers, continuous operation
Outlet Air Pressure Dew Point	-20°C~-60°C	Control Method	PLC control,60min cycle of loop
Dust Grain Diameterin Outlet Air	≤60μm	Installation	Indoor,non-basis installation allowed
Average Regenerate Air Flow	5%-8% rated processing air flow	Power Supply	1PH/220V/380V/50Hz

Type	Flowrate (m3/min)	Dessicant weight(kgs)	Air consumption kw	Inlet/Outlet inch	Dimension(mm)			Weight (KG)
					Length	Width	Height	
YW-026	2.6	55	0.18	G1"	860	660	1320	273
YW-038	3.8	90	0.266	G1-1/4"	860	660	1450	322
YW-069	6.9	155	0.476	G1-1/2"	860	720	1820	429
YW-085	8.5	200	0.595	G1-1/2"	860	720	1820	489
YW-110	11	250	0.77	G2"	1000	870	1950	572
YW-140	14	305	0.98	Dn65	1330	800	2200	715
YW-180	18	345	1.19	Dn65	1350	850	2200	715
YW-220	22	385	1.54	Dn80	1370	950	2200	924
YW-280	28	530	1.96	Dn80	1450	1000	2250	1165
YW-320	32	645	2.38	Dn100	1650	1560	2250	1235
YW-380	38	725	2.94	Dn100	1650	1560	2360	1495
YW-460	46	910	4.06	Dn125	1650	1610	2580	1750
YW-550	55	1080	4.9	Dn150	2100	1800	2900	2127
YW-670	67	1200	4.55	Dn150	2150	1850	2950	2472
YW-750	75	1320	5.25	Dn150	2180	2030	2980	2912
YW-850	85	1500	5.95	Dn150	2320	2150	3200	3180
YW-950	95	1700	6.65	Dn150	2400	2200	3200	3800
YW-1100	110	2200	7.7	Dn150	2500	2250	3300	4500
YW-1300	130	2500	9.1	Dn150	2600	2280	3400	5000
YW-1500	150	2800	10.5	Dn200	2800	2300	3400	5600
YW-1700	170	3100	11.9	Dn200	3000	2350	3500	6500
YW-2300	230	4200	16.1	Dn200	3300	2500	3500	8000
YW-2900	290	5200	20.3	Dn200	3500	2800	3600	9500
YW-3700	370	6800	25.9	Dn200	3700	3000	3700	13000

HEATLESS ADSORPTION
AIR DRYER YX SERIES

...



Technical parameter			
Rated Processing Air Flow	1-150m³/min	Pressure Drop	≤0.021 Mpa
Inlet Pressure	0.45-1.0Mpa(0.7Mpa)	Absorbate	Activated aluminium oxide、molecular sieve
Inlet temperature	≤40°C(38°C)	Regeneration Method	Regeneration Method: Normal-heating
Inlet oil Content	0.08ppm (0.1mg/m³)	Working Method	Auto switch of two towers, continuous operation
Outlet Air Pressure Dew Point	-20°C~-40°C	Control Method	PLC control,60min cycle of loop
Dust Grain Diameterin Outlet Air	≤60µm	Installation	Indoor,non-basis installation allowed
Average Regenerate Air Flow	10%-22% rated processing air flow	Power Supply	1PH/220V/50Hz

Type	Flowrate (m3/min)	Dessicant weight(kgs)	Inlet/Outlet inch	Dimension(mm)			Weight (KG)
				Length	Width	Height	
YX-015	1.2	28	G1"	670	620	1600	185
YX-020	2	40	G1"	670	620	1600	209
YX-026	2.6	55	G1"	860	660	1320	270
YX-038	3.8	90	G1-1/4"	860	660	1450	317
YX-069	6.9	155	G1-1/2"	860	720	1820	398
YX-085	8.5	200	G1-1/2"	860	720	1820	448
YX-110	11	250	G2"	1000	870	1950	482
YX-140	14	305	Dn65	1330	800	2200	587
YX-180	18	345	Dn65	1350	850	2200	745
YX-220	22	385	Dn80	1370	950	2200	895
YX-280	28	530	Dn80	1450	1000	2250	1155
YX-320	32	645	Dn100	1650	1560	2250	1207
YX-380	38	725	Dn100	1650	1560	2360	1449
YX-460	46	910	Dn125	1650	1610	2580	1650
YX-550	55	1080	Dn150	2100	1800	2900	1816
YX-670	67	1200	Dn150	2150	1850	2950	2325
YX-750	75	1320	Dn150	2180	2030	2980	2750
YX-850	85	1500	Dn150	2320	2150	3200	3125
YX-950	95	1700	Dn150	2400	2200	3200	3600
YX-1100	110	2200	Dn150	2500	2250	3300	4200
YX-1300	130	2500	Dn150	2600	2280	3400	4700
YX-1500	150	2800	Dn200	2800	2300	3400	5200

AIR STORAGE TANK

Features

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Precision pressure gauge/Precision safety valve
Anti-corrosion sewage outlet

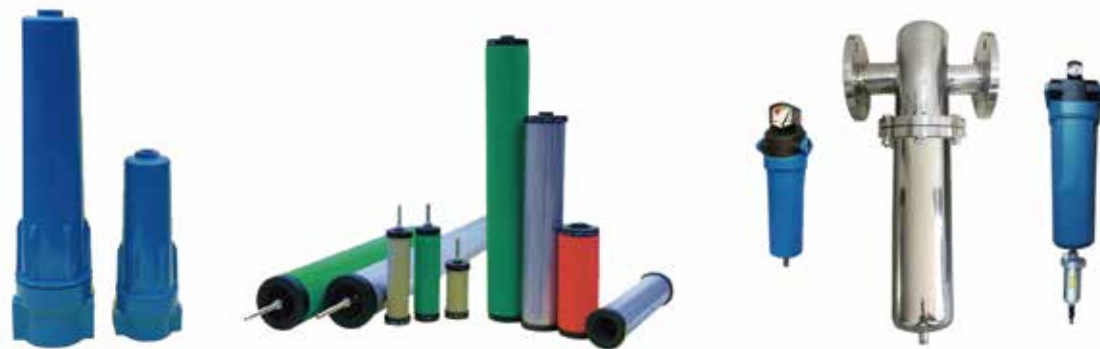


Technical parameter

SR#	Specification Volume/Pressure	Design Temperature °C	Tank Height H1	Tank dia Φ	Inlet			Outlet			Base		Connector
					H2	DN	RP	H3	DN	RP	Φ1	d	
1	0.3/0.8	150	1558	500	634	25	Pp1"	1204	25	Pp1"	360	20	R3/4"
2	0.3/1.0		1590		635			1205					
3	0.3/1.25		1592		636			1206					
4	0.3/1.52		1594		637			1207					
5	0.4/0.8	150	1818	600	659	40	Pp1 1/2"	1409	40	Pp1 1/2"	420	24	R3/4"
6	0.4/1.0		1820		660			1410					
7	0.3/1.25		1822		661			1411					
8	0.4/1.52		1824		662			1412					
9	0.6/0.8	150	1914	650	672	40	Pp1 1/2"	1672	40	Pp1 1/2"	480	24	R3/4"
10	0.6/1.0		1916		673			1673					
11	0.6/1.25		1918		674			1674					
12	0.6/1.52		1920		675			1675					
13	1.0/0.8	150	2090	800	710	40	Pp1 1/2"	1810	40	Pp1 1/2"	560	24	R3/4"
14	1.0/1.0		2092		711			1811					
15	1.0/1.25		2096		713			1813					
16	1.5/0.8	150	2271	1000	761	80	Pp2"	1791	80	Pp2"	700	24	R3/4"
17	1.5/1.0		2275		763			1793					
18	1.5/1.25		2279		764			1794					
19	2.0/0.8	150	2524	1100	837	80	Pp2"	1987	80		740	24	R3/4"
20	2.0/1.0		2526		839			1989					
21	2.0/1.25		2530		841			1991					
22	2.5/0.8	150	2756	1200	883	80		2183	80		840	24	R3/4"
23	2.5/1.0		2712		881			2181					
24	2.5/1.25		2718		883			2183					
25	2.0/0.8	150	2826	1300	908	100		2208	100		950	30	R1"
26	2.0/1.0		2830		910			2210					
27	3.0/1.25		2834		912			2212					
28	4.0/0.8	150	2902	1400	956	100		2206	100		1050	30	R1"
29	4.0/1.0		2904		956			2207					
30	4.0/1.25		2908		959			2209					
31	5.0/0.8	150	3752	1400	930	100		3130	100		1050	30	R1"
32	5.0/1.0		3754		932			3132					
33	5.0/1.25		3756		933			3133					
34	6.0/0.8	150	2952	1500	956	125		3156	125		1100	30	R1"
35	6.0/1.0		2954		957			3157					
36	6.0/1.25		2960		960			3160					
37	8.0/0.8	150	4554	1600	982	125		3832	125		1200	30	R1"
38	8.0/1.0		4556		984			3834					
39	8.0/1.25		4560		985			3835					
40	10.0/0.8	150	3766	2000	1083	150		2933	150		1500	30	R1"
41	10.0/1.0		3768		1084			2934					
42	10.0/1.25		3774		1087			2937					
43	12.0/0.8	150	4506	2000	1133	150		3683	150		1500	30	R1"
44	12.0/1.0		4508		1134			3684					
45	12.0/1.25		4516		1137			3687					
46	15.0/0.8	150	4638	2200	1199	150		3699	150		1650	30	R1"
47	15.0/1.0		4640		1200			3700					
48	15.0/1.25		4648		1202			3702					
49	20.0/0.8	150	5238	2400	1299	150		4199	150		1800	30	R1"
50	20.0/1.0		5244		1302			4202					
51	20.0/1.25		5248		1304			4204					
52	25.0/0.8	150	6250	2400	1375	200		5095	200		1800	30	R1"
53	25.0/1.0		6256		1378			5098					
54	25.0/1.25		6260		1380			4100					
55	30.0/0.8	150	6829	2500	1305	200		5865	200		1900	30	R1"
56	30.0/1.0		6835		1318			5868					
57	30.0/1.25		6839		1320			5870					

COMPRESSED LINE FILTER

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



Model number	Connector	Capacity(m³/min)	Filter element	Weight (kg)	Dimension		
					Length	Height	Dia
AF007	G3/4 or 1"	0.7	1	1.1	270	245	85
AF015	G3/4 or 1"	1.5	1	1.1	270	245	85
AF024	G1 1/2"	2.4	1	2.2	360	326	110
AF035	G1 1/2"	3.5	1	2.2	360	326	110
AF060	G1 1/2"	6	1	2.2	480	448	110
AF090	G2 1/2"	9	1	10	535	485	150
AF120	G2 1/2"	12	1	13	950	900	150
AF150	G2 1/2"	15	1	13	950	900	150
AF200	DN80	20	1 pc K330	35	1110	780	150
AF240	DN80	24	2 pc 120	75	1495	1190	344
AF300	DN100	30	2 pcs 150	85	1650	1350	344
AF360	DN100	36	3 pcs 120	120	1495	1190	398
AF450	DN125	45	3 pcs 150	130	1650	1345	398
AF600	DN125	60	4 pcs 150	160	1810	1311	520



Differential Pressure Gauge (DPG) : Precise indicator shows the level of element saturation and prompt or element replacement

O-ring: Better sealing and strength

Stainless steel mesh: High filtration surface area with low differential pressure loss

Pleated Filter Media: Small pressure drop plus able to trapped large amount of particles.

Stainless steel mesh

Aluminum Alloy Cylinder: High strength hardness material with anodized treatment

High temperature resistance and strong corrosion resistance of condensed layer

Drain: European best automatic drain valve with manual drain function, high stability and long life span

