



The enterprise passes the ISO9001:2008 international quality system certification



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Screw Air Compressor



WHY CHOOSE US

Choose ATLAS HS, is to choose an Intelligent Steward



PROFESSIONAL

Airstone, a compressor manufacturer with advanced machine and professional skills supporting 24 hours 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 prides ourselves on our quick response times and reliability.



RELIABLE

We're in the unique position of being able to satisfy all your compressed air requirements 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 in 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. Spraying energy costs are a facing 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

HB SERIES

COMPRESSOR

Features

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- Fix Speed Compressor
 - Direct Driven
 - Low Energy loss
 - Star delta starting



Technical data for Fix Speed compressor

Model Number	Pressure		Capacity		Motor Power kW/HP	Driven method	Ambient Temperature °C	Connection Size	Dimensions (mm) Air Cooled			Lubricate Litres	Weight kg	Noise dB(A)		
	bar	psi	m³/min	cfm					Length	Width	Height					
AS-5H8	7	100	0.45	15.8	3.75	Belt driven	-5 °C ~ 50 °C	RP1/2"	830	550	830	10	160	62		
	8	116	0.4	14.1					1200	700	1050	15	290	62		
	10	145	0.35	12.4					1400	850	1150	18	400	65		
AS-7.5H8	7	100	0.9	31.8	5.5/7.5	Belt driven		-5 °C ~ 50 °C	RP1/2"	830	550	830	10	160	62	
	8	116	0.8	28.3						1200	700	1050	15	290	62	
	10	145	0.55	19.4						1400	850	1150	18	400	65	
AS-10H8	7	100	1.2	42.4	7.5/10	Belt driven			-5 °C ~ 50 °C	RP1/2"	890	650	890	10	180	62
	8	116	1.1	38.8							1200	700	1050	15	290	62
	10	145	0.9	31.8							1400	850	1150	18	400	65
AS-15H8	7	100	1.6	56.5	11/15	Belt driven				-5 °C ~ 50 °C	G3/4"	1200	700	1050	15	290
	8	116	1.4	49.4			1400					850	1150	18	400	65
	12	174	1.1	38.8			1600					950	1250	20	480	65
AS-20H8	7	100	2.4	84.8	15/20	Belt driven	-5 °C ~ 50 °C				G3/4"	1200	700	1050	15	290
	8	116	2.2	77.7				1400				850	1150	18	400	65
	10	145	2	70.6				1600				950	1250	20	480	65
AS-25H8	7	100	3.1	109.5	18.5/25	Direct driven / Belt driven		-5 °C ~ 50 °C			G1"	1300	850	1150	18	400
	8	116	2.85	100.6					1400			850	1150	18	410	65
	10	145	2.3	81.2					1600			950	1250	20	480	65
AS-30H8	7	100	3.6	127.1	22/30	Direct driven / Belt driven			-5 °C ~ 50 °C		G1"	1300	850	1150	18	410
	8	116	3.4	120.1						1400		850	1150	18	410	65
	10	145	3.25	114.8						1600		950	1250	20	480	65
AS-40H8	7	100	2.7	95.3	30/40	Belt driven				-5 °C ~ 50 °C	G1"	1400	850	1150	25	480
	8	100	5.2	183.6			1400					850	1150	25	480	65
	8	116	5	176.6			1600					950	1250	20	480	65
AS-50H8	7	100	4.5	151.9	37/50	Belt driven	-5 °C ~ 50 °C				G1-1/2"	1450	930	1300	25	610
	8	116	3.3	116.5				1450				930	1300	25	610	65
	7	100	6.8	240.1				1450				930	1300	30	650	65
AS-60H8	8	116	6.2	218.9	45/60	Belt driven		-5 °C ~ 50 °C			G1-1/2"	1450	930	1300	30	650
	10	145	5.6	197.8					1450			930	1300	30	650	65
	12	174	4.0	141.3					1450			930	1300	30	650	65
AS-75H8	7	100	8	282.5	55/75	Belt driven			-5 °C ~ 50 °C		G2"	1650	1200	1540	30	1050
	8	116	7.7	271.9						1650		1200	1540	30	1050	72
	10	145	7	247.2						1650		1200	1540	30	1050	72
AS-100H8	12	174	5.7	201.3	75/100	Belt driven				-5 °C ~ 50 °C	G2"	1800	1200	1540	35	1150
	7	100	10	351.1			1800					1200	1540	35	1150	72
	8	116	9.2	324.9			1800					1200	1540	35	1150	72
AS-120H8	10	145	8.5	300.2	90/120	Belt driven	-5 °C ~ 50 °C				G2"	1900	1250	1570	35	1240
	12	174	12.3	434.4				1900				1250	1570	35	1240	75
	7	100	21	741.6				1900				1250	1570	35	1240	75
AS-150H8	8	116	18.9	667.4	110/150	Belt driven		-5 °C ~ 50 °C			DN65	2300	1470	1840	60	1800
	10	145	18.7	660.4					2300			1470	1840	60	1800	75
	12	174	14.5	512.1					2300			1470	1840	60	1800	75
AS-175H8	7	100	25.2	889.9	132/175	Direct driven			-5 °C ~ 50 °C		DN65	2300	1470	1840	60	1800
	8	116	24	847.5						2300		1470	1840	60	1800	75
	10	145	21.5	759.5						2300		1470	1840	60	1800	75
AS-200H8	12	174	16.5	633.3	160/200	Belt driven				-5 °C ~ 50 °C	DN85	2700	1700	2300	80	2750
	7	100	28.7	1013.5			2700					1700	2300	80	2750	78
	8	116	27.2	960.5			2700					1700	2300	80	2750	78
AS-250H8	10	145	24.6	868.7	185/250	Belt driven	-5 °C ~ 50 °C				DN85	2700	1700	2300	80	3250
	12	174	21.3	752.2				2700				1700	2300	80	3250	78
	7	100	32	1130.0				2700				1700	2300	80	3250	78
AS-300H8	8	116	30.5	1077.1	220/300	Belt driven		-5 °C ~ 50 °C			DN100	3200	2000	2500	80	3560
	10	145	27.5	971.1					3200			2000	2500	80	3560	82
	12	174	24.0	878.8					3200			2000	2500	80	3560	82
AS-350H8	7	100	36.7	1296.0	250/350	Belt driven			-5 °C ~ 50 °C		DN100	3200	2000	2500	80	3560
	8	116	34.7	1225.4						3200		2000	2500	80	3560	82
	10	145	30.2	1069.5						3200		2000	2500	80	3560	82
AS-400H8	12	174	27.6	981.7	280/400	Belt driven				-5 °C ~ 50 °C	DN100	3200	2000	2500	80	3560
	7	100	42.8	1511.4			3200					2000	2500	80	3560	82
	8	116	40.5	1430.5			3200					2000	2500	80	3560	82
AS-450H8	10	145	38.1	1340.2	315/450	Belt driven	-5 °C ~ 50 °C				DN100	3200	2000	2500	80	3560
	12	174	34.5	1218.3				3200				2000	2500	80	3560	82
	7	100	48.0	1687.5				3200				2000	2500	80	3560	82

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Inverter starting/ star delta starting



Model Number	Pressure		Capacity		Motor Power kW/HP	Ambient Temperature °C	Connection Size	Dimensions (mm) Air Cooled			Lubricate Litres	Weight kg	Noise dB(A)
	bar	psi	m³/min	cfm				Length	Width	Height			
AS-5HVF	7	100	0.45	15.8	3.7/5		RP1/2"	830	550	830	10	160	62
	8	116	0.4	14.1									
	10	145	0.35	12.4									
AS-7.5HVF	7	100	0.9	31.8	5.5/7.5		RP1/2"	830	550	830	10	160	62
	10	145	0.55	19.4									
	12	174	0.5	17.7									
AS-10HVF	8	116	1.1	38.8	7.5/10		RP1/2"	890	650	830	10	190	62
	10	145	0.9	31.8									
	12	174	0.8	28.3									
AS-15HVF	7	100	1.7	60.0	11/15		G3/4"	1200	700	1050	15	300	62
	8	116	1.6	56.5									
	10	145	1.4	49.4									
AS-20HVF	12	174	1.1	38.8	15/20		G3/4"	1200	700	1050	15	300	65
	7	100	2.4	84.8									
	12	174	2.2	77.7									
AS-25HVF	7	100	3.1	109.5	18/25		G1"	1300	850	1150	18	410	65
	8	116	2.85	100.6									
	10	145	2.3	81.2									
AS-30HVF	12	174	2.2	77.7	22/30		G1"	1300	850	1150	18	420	65
	7	100	3.6	127.1									
	8	116	3.4	120.1									
AS-40HVF	10	145	3.25	114.8	30/40		G1"	1400	850	1150	25	490	65
	12	174	2.7	95.3									
	7	100	5.2	183.6									
AS-50HVF	8	116	5	176.6	37/50		G1-1/2"	1450	930	1300	25	620	65
	10	145	4.3	151.9									
	12	174	3.3	116.5									
AS-60HVF	7	100	6.8	240.1	45/60	-5°C ± 50°C	G1-1/2"	1450	930	1300	30	660	65
	8	116	6.2	218.9									
	10	145	5.6	197.8									
AS-75HVF	12	174	4.0	141.3	55/75		G2"	1650	1200	1540	30	1100	72
	7	100	8	282.5									
	8	116	7.7	271.9									
AS-100HVF	10	145	7	247.2	75/100		G2"	1800	1200	1540	35	1200	72
	12	174	5.7	201.3									
	7	100	10	353.1									
AS-120HVF	8	116	9.2	324.9	90/120		G2"	1900	1250	1570	35	1300	75
	10	145	8.5	300.2									
	12	174	7.6	268.4									
AS-150HVF	7	100	13.5	476.7	110/150		DN65	2300	1470	1840	60	1830	75
	8	116	12	423.8									
	10	145	11.2	395.5									
AS-175HVF	12	174	10.2	360.2	132/175		DN65	2300	1470	1840	60	2000	75
	7	100	16.1	568.6									
	8	116	15	529.7									
AS-200HVF	10	145	13.8	487.3	160/200		DN85	2700	1700	2300	60	2800	78
	12	174	12.3	434.4									
	7	100	21	741.6									
AS-250HVF	8	116	20	706.3	185/250		DN85	2700	1700	2300	80	3300	78
	10	145	17.8	628.6									
	12	174	13.5	476.7									
AS-300HVF	7	100	25.2	889.9	220/300		DN100	3200	2000	2500	80	3600	82



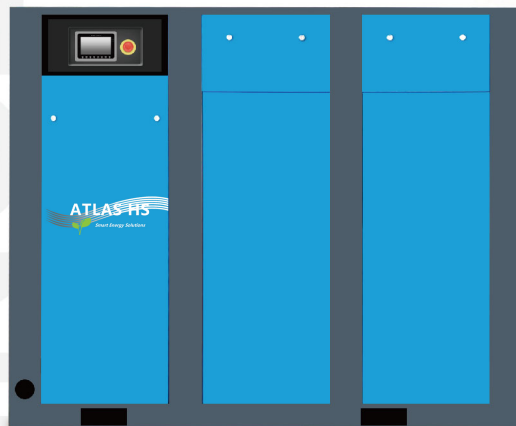
PMC SERIES

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 m³/min	Motor Power kW/HP	Connection Size	Dimensions (mm)			Weight kg	Noise dB(A)
	bar	psi				Air Cooled				
AS-5PMC	7	100	0.225-0.45	3.7/5	RP1/2"	830	550	830	160	62
	8	116	0.2-0.4							
	10	145	0.175-0.35							
AS-7.5PMC	7	100	0.345-0.68	5.5/7.5	RP1/2"	830	550	830	160	62
	8	116	0.315-0.63							
	10	145	0.275-0.55							
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"	1200	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"	1200	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"	1300	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"	1300	850	1150	420	65
	8	116	1.1-3.23							
	10	145	1.06-3.1							
AS-40PMC	7	100	1.59-5.0	30/40	G1"	1400	850	1150	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	2.79-8.0							
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	6.36-20.0	110/150	DN85	2300	1470	1840	1830	75
	8	116	5.94-18.2							
	10	145	5.58-15.6							
AS-175PMC	7	100	7.29-24.0	132/175	DN85	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	8.26-27.1							
	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							

BD SERIES

COMPRESSOR

Features

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Double stage PM Variable speed compressor

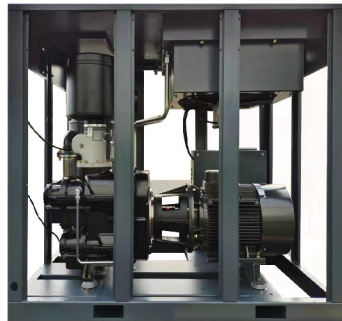
High efficiency IE4 synchronous motor

Energy saving above 31%

High discharge capacity/VSD soft starting



The enterprise passes the ISO9001:2000 international quality system certification



Technical data for Double stage compressor

Model Number	Pressure		Capacity m³/min	Motor Power kW/HP	Connection Size	Dimensions (mm) Air Cooled			Weight kg	Lubricate Litres	Noise dB(A)
	bar	psi				Length	Width	Height			
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	32.5								
AS-350BD	7	100	54	250/350	DN125	4120	2130	2000	6800	180	82
	8	116	50								
	10	145	45								
	13	190	40								
AS-380BD	7	100	60	280/380	DN125	4300	2350	2300	7200	180	82
	8	116	59								
	10	145	56								
	13	190	43.5								
AS-420BD	7	100	63.2	315/420	DN150	4300	2350	2300	7400	200	82
	8	116	62								
	10	145	50								
	13	190	47								
AS-480BD	7	100	79	355/480	DN150	4800	2630	2760	7800	200	82
	8	116	72								
	10	145	62.77								
	13	190	62.5								

LOW PRESSURE SINGLE STAGE LP SERIESE COMPRESSOR

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PM variable speed type compressor

Large rotor with low speed



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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

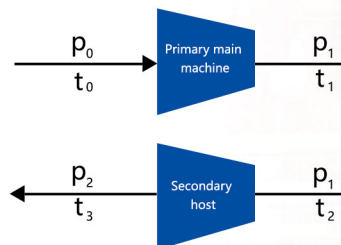
Low noise, small leakage, high efficiency, 15-20% energy saving than piston machine

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 frequency conversion control technology, saving 1 kilowatt-hour 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 ± 0.01 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 °C

ALL IN ONE SCREW

AIR COMPRESSOR SERIES

(4 in 1 compressor) 8bar

...

including compressor, air dryer, tank and 3 pcs of line filter
Pressure: 8bar-12bar/easy to install



New design



Technical data Fix speed 4 in 1 compressor

Model Number	Capacity m³/min	Motor Power kW/HP	Connection Size	Dimensions (mm) Air Cooled			Weight kg	Tank volume Litre	Noise dB(A)
				Length	Width	Height			
AS-7.5A/B	0.75	5.5kw/7.5hp	G1/2"	1206	700	1285	260	150	62
AS-10A/B	1.1	7.5kw/10hp	G1/2"	1400	700	1380	310	230	62
AS-10A/B (New)	1.1	7.5kw/10hp	G1/2"	1400	700	1380	310	230	62
AS-15A/B	1.6	11kw/15hp	G3/4"	1800	800	1650	430	230	65
AS-20A/B	2.2	15kw/20hp	G3/4"	1900	870	1750	475	300	65
AS-20A/B(New)	2.2	15kw/20hp	G3/4"	1900	870	1750	475	400	65

Technical data PM variable speed 4 in 1 compressor

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



The enterprise passes the ISO9001:2015 international quality management certification



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	37kw/50hp	G1"	2530	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



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.



Energy saving



Low noise



Customization available



Intelligent control



CE approved



One-stop service



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.

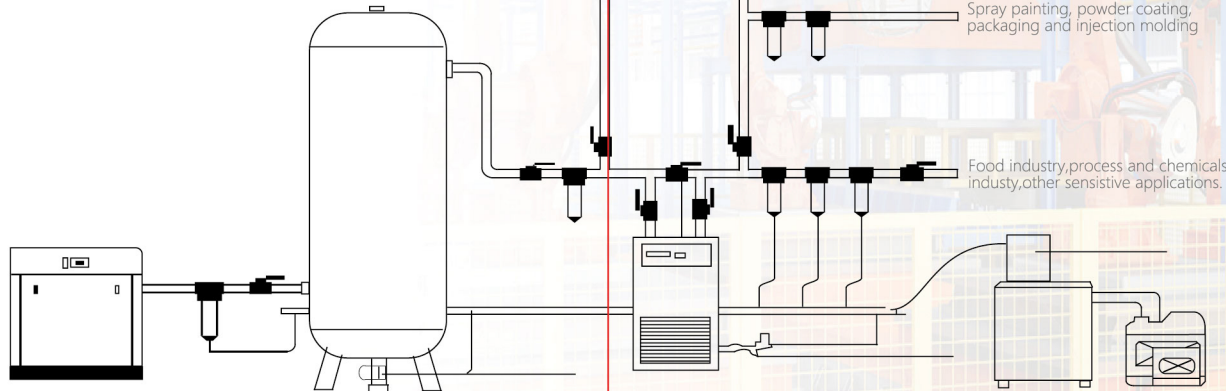
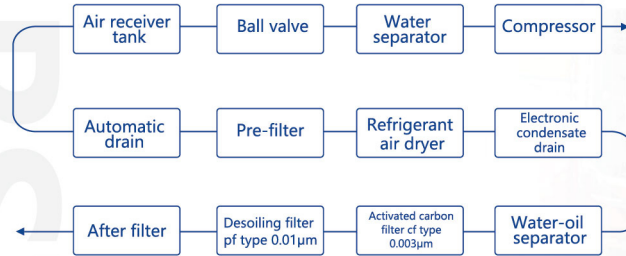
When the joint control is stopped, it supports to automatically send shutdown instructions to all devices in the network according to the interval. Achieve one-key shutdown.

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 Inlet Temperature: (Economic one <45°C can be chosen)

Environmental Requirements

Temperature: <38°C, if >38°C, air convection device needed

Installed Environment: good ventilation, no dust and flying catkions

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	0.520	220	DN25	650	420	830	7.5	50
AC-20	2.5	0.580	220	DN25	750	420	900	15	55
AC-30	3.8	0.735	220	DN40	900	500	1020	22	60
AC-50	6.5	1.100	220	DN40	1000	500	1100	37	95
AC-75	10.5	1.470	220	DN50	1100	550	1150	55	120
AC-100	13.5	2.200	380	DN50	1200	600	1220	75	145
AC-120	15-16	3.050	380	DN80	1450	740	1410	90	275
AC-150	16-20	3.750	380	DN80	1450	740	1410	110	305
AC-200	28.0	3.000	380	DN80	1650	880	1630	150	450
AC-250	32.0	4.540	380	DN80	1650	880	1630	180	480
AC-300	36.0	7.400	380	DN100	2000	880	1650	220	580
AC-400	45-50	8.850	380	DN100	2000	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

Air dryer correction factor @4-16Bar

Actual nominal volume flow (m3/min)=selection processing capacity* K_1 * K_2 * K_3 * K_4

Flowrate Correction Factor for different pressuredewpoint

Dewpoint, °C	3	5	7	8	10
Factor(K1)	1	1.06	1.1	1.14	1.16

Flowrate Correction Factor for different operating pressure

Pressure, MPa	0.4	0.6	0.8	1	1.2	1.4	1.6
Factor(K3)	0.8	0.94	1	1.04	1.1	1.12	1.14

Flowrate Correction Factor for different inlet temperature

Tem, °C	45	50	55	65	70	80
Factor(K2)	1.2	1.1	1	0.83	0.76	0.63

Flowrate Correction Factor for Ambient temperature

Tem, °C	25	30	35	38	40	45
Factor(K4)	1.1	1.06	1.03	1	0.96	0.71

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

WATER-COOLED ND SERIES

SPECIFICATIONS



Product Features

Air pressure dew point reaches 5°C

Atmospheric 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 Mpmamax)

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 faction regeneration)", using the structure of Twin Towers. One of the towers adsorb the moisture in the air under a certain pressure, another tower regenerate the desiccant in the adsorption tower with a small portion of the dry air which is slightly higher than the atmospheric pressure, after a certain time, two towers switch between, it can guarantee a continuous supply of the dry compressed air each tower achieves a "adsorption regeneration- pressurized" process.

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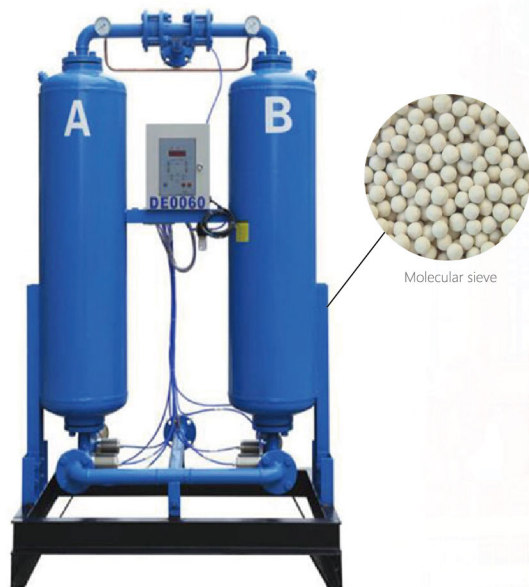
Technical parameter

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 Diameter in 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)	Desiccant 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	1-150m ³ /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/m ³)	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 (m ³ /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

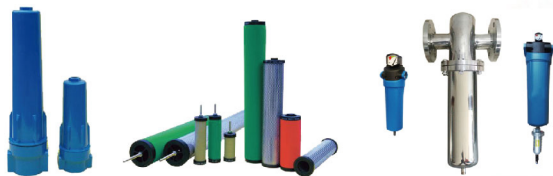


Technical parameter

SR#	Specification Volume/Pressure	Design temperature °C	Height H1	Dia φ	Weight (kg)	Inlet				Outlet				BASE		Connect			
						H2	DN	RP	H3	DN	RP	Φ1	d						
1	0.3/0.8	150	1558	500	78	634	25	Pp1"	1204	25	Pp1"	360	20	R3/4"					
2	0.3/1.0		90		635	1205													
3	0.3/1.25		104		636	1206													
4	0.3/1.52		117		637	1207													
9	0.6/0.8		143		672	1672													
10	0.6/1.0	1916	168	673	1673	40	Pp1/2"	1674	40	Pp1/2"	480	24	R3/4"						
11	0.6/1.25	1918	192	674															
12	0.6/1.52	1920	225	675	1675														
13	1.0/0.8	2090	209	710	1810														
14	1.0/1.0	2092	238	711	1811									40	Pp1/2"	1813	560	24	R3/4"
15	1.0/1.25	2096	240	713	1813														
16	1.5/0.8	2271	262	761	1791	80	Pp2"	1793	80	Pp2"	700	24	R3/4"						
17	1.5/1.0	2275	310	763	1794														
18	1.5/1.25	2279	365	764	1794														
19	2.0/0.8	2524	370	837	1987									80	Pp2"	1989	740	24	R3/4"
20	2.0/1.0	2526	372	839	1991														
21	2.0/1.25	2530	440	841	1991														
22	2.5/0.8	2756	883	2183	80	Pp2"	2183	840	24	R3/4"									
23	2.5/1.0	2712	881	2181															
24	2.5/1.25	2718	883	2183															
25	3.0/0.8	2826	500	908							2208	100	Pp2"	2210	100	950	30	R1"	
26	3.0/1.0	2830	505	910							2210								
27	3.0/1.25	2834	590	912	2212														
28	4.0/0.8	2902	600	956	2206	100	Pp2"	2207	100	1050	30								R1"
29	4.0/1.0	2904	700	956	2209														
30	4.0/1.25	2908	910	959	2209														
31	5.0/0.8	3752	685	930	3130							100	Pp2"	3132	100	1050	30	R1"	
32	5.0/1.0	3754	800	932	3132														
33	5.0/1.25	3756	1030	933	3133														
34	6.0/0.8	2952	1020	956	3156	125	Pp2"	3157	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	4554	1508	982	3832							125	Pp2"	3834	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	3766	1792	1083	2933	150	Pp2"	2934	150	1500	30								R1"
41	10.0/1.0	3768	2125	1084	2937														
42	10.0/1.25	3774	1087	2937															
43	12.0/0.8	4506	1133	3683	150							Pp2"	3684	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	4638	1199	3699		150	Pp2"	3700	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	5238	1299	4199	150							Pp2"	4202	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	6250	1375	5095		200	Pp2"	5098	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	6829	1305	5865	200							Pp2"	5868	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

