



Professional Screw Air Compressor



AIRSON SERVICES

ISO 9001:2000 CERTIFIED COMPANY

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All Kind Of Air Compressor & Dryer Spares & Service Specialist in all kind of Airend Reconditioning.

Logo use reference only



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SCREW AIR COMPRESSOR

2023 new arrival



7.5-75 kW

V SERIES

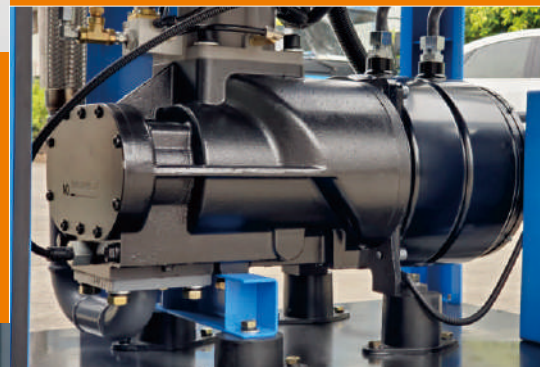
Oil Cooled Permanent Magnet VSD Screw Air Compressor

4 KEY PARTS

BRING ENERGY SAVING
& HIGH EFFICIENCY



01 OIL COOLED
PERMANENT
MAGNET MOTOR

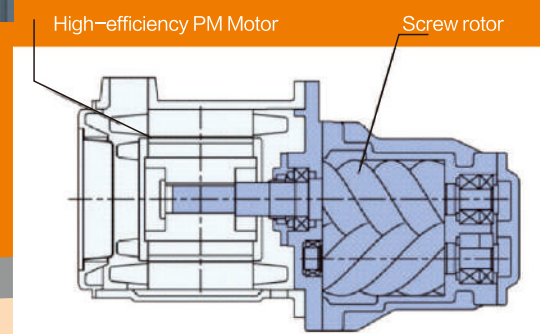


02 RELIABLE
AIR-END



03 INVERTER
TECHNOLOGY

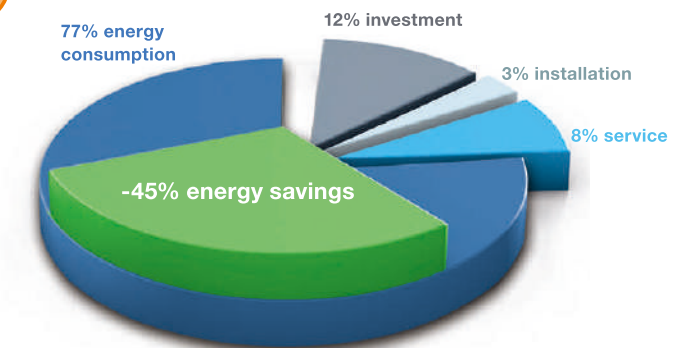
04 ONE-SHAFT
DRIVE



01

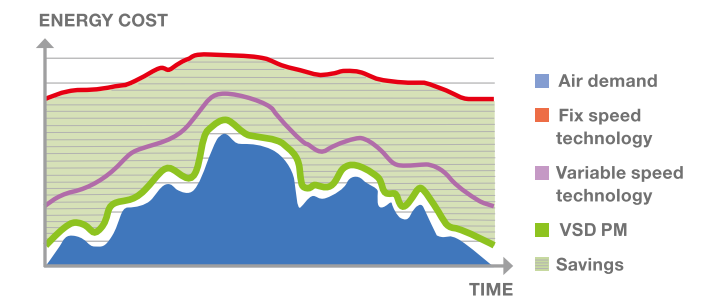
WHY ENERGY EFFICIENCY?

Energy costs represent about **77%** of the total operating cost of your compressor. That is Why efficiently reducing the energy consumption of your compressed air installation should be a major focus.



Why VSD (variable speed)?

As a majority of customers have a variable demand for compressed air, a variable speed compressor is superior VS a fixed speed compressor in terms of energy saving by perfectly matching air supply to air demand of avoiding unloading losses.



Why PM (permanent magnet motor)?

Permanent magnet is a high efficiency motor combines our variable speed technology with our new and highly efficient drive train, resulting in energy savings of up to **40%**



02

ENERGY SAVING REACH TO

Our energy-saving rate
is the leading in the
compressor market.

★★★
40%

Oil cooled motor

Newly Oil Cooled Motor

- IE5 super high efficiency oil cooled motor
Temperature resistance can reach to 180℃
- Ip65 motor protection level, suit for heavy duty factory(runs
every 24 hours)
- No fan blade, wind resistance loss is 0.
- Even in low speed, the motor cooling volume is not changed.
More reliable and longer service life.
- Lower noise because of the motor case is wrapped by the oil.

VS

Air cooled motor

Traditional Air Cooled Motor

- IE4 high efficiency air cooled motor
- Temperature resistance is 140℃
- IP23 or IP54 motor protection level can be chosen
- Wider adjust speed, torque suit for wider frequency setting

Newly oil cooled motor

Newly Oil Cooled Motor

- Mould forming for the newly motor, no welding point, 0 leakage risk.
- Small pressure difference because of the rotary oil passage.
- The cooling oil goes by arc shape, make sure the oil can be cooling
uniformity.
- Easy for checking or repair.



VS

Traditional oil cooled motor

Traditional Oil Cooled Motor

- Need welding at the end and face of the oil
passage, it will have the trachoma, deformation
and oil leakage risks.
- Higher pressure difference, because of the
small oil passage and the reciprocating oil way.
- Square oil passage, the oil can not flow in the
corner, that will make the corner in higher
temperature.
- Internal oil passage, it's not easy to check or
repair.



OIL COOLED PM MOTOR VSD SCREW COMPRESSOR

Reliable Inverter Technology

- Average energy saving can reach 35% during air demand fluctuation.
- Won't waste air when unloading, no air leakage in normal operation.
- VSD starting can reduce the impact of the electric net work when starting.
- Reduce the leakage rate which caused by the system pressure
- Perfect match between the compressor and the inverter

Oil Cooled PM Motor



- Using the Nd-Fe-B magnet steel, Not only the temperature resistance can reach to 180°C, but also the energy efficiency can be higher than IE5.
- Advanced electromagnetic technology, ensure smaller heat loss and higher efficiency when same power supply.
- Compare with the SmCo magnet steel, though it's temperature resistance can reach to 350°C, but it's efficiency just can be IE4.

For Example: 22kW motor

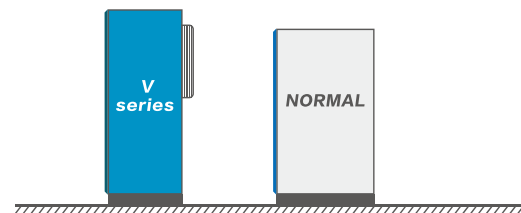
IE5: 95.1%

IE4: 94.8%

We test our oil cooled motor's efficiency is 96.5%.

Tall-thin Design Save Space

- Side hot Air exhaust design, upright cooler.
- Upgrade compact design, V series can save more space.



Full close top cover

- Prevent dust and water drop into the air compressor



Stable Intake Valve System

- Unique structural design for the intake valve.
- No oil splash out from intake valve when emergency stop or shutdown suddenly.



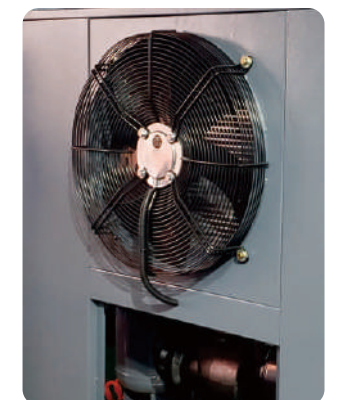
Durable Pipeline

- Using the stainless steel or Manuli hose as the oil pipe and air pipe, ensure more durable.
- Using the screw thread and plane O-ring as the sealing, that can dismantle easily and without leakage.



Side Hot Air Exhaust Design

- Using the suction air to instead of the blowing air.
- Traditional type is using the fan to blow the cooler, it has large resistance and noise.
- Side hot air exhaust, the cooler need to be placed vertically, not only avoid the dust falling on the cooler from the top, but also to protect the electrical components.



V SERIES

Technical Parameter

V Series Oil Cooled Permanent Magnet VSD Screw Air Compressor(Direct Drive)

Model	Max Working Pressure		F.A.D		Motor Power		Connection	Net Weight kgs	Dimension (L*W*H) mm
	bar	psig	m³/min	CFM	hp	kw			
AS15-7V	7	102	2.5	88	20	15	G1"	280	1050*600*1125
AS15-8V	8	116	2.6	91					
AS15-10V	10	145	2.0	70					
AS22-7V	7	102	3.8	134	30	22	G1"	295	1050*600*1125
AS22-8V	8	116	3.6	127					
AS22-10V	10	145	3.0	106					
AS37-7V	7	102	6.7	236	50	37	G1-1/2"	425	1200*650*1500
AS37-8V	8	116	6.5	229					
AS37-10V	10	145	5.4	190					
AS55-7V	7	102	10.2	360	75	55	G2"	860	1580*1160*1600
AS55-8V	8	116	10.0	353					
AS55-10V	10	145	8.0	282					
AS75-7V	7	102	13.2	466	100	75	G2"	930	1580*1160*1600
AS75-8V	8	116	12.5	441					
AS75-10V	10	145	10.0	353					

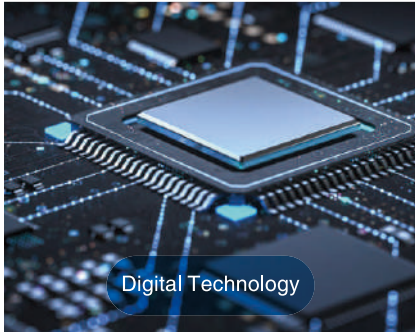
- According to the standard of GB19153–2009
 - Standard power supply: 380v/50Hz/3Ph
 - Please contact us for any specification that is not within the above mentioned standards.
- Compressor stage: one stage compression
 - Exhaust temperature: ambient temperature +15℃



Casting Spray



Cement



Digital Technology



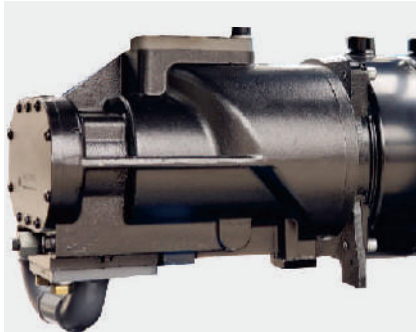
Energy



Aerospace



Textile



Automotive Industry



Printing and Pyeing



Chemical Industry



Glass



Food Medicine



Water Treatment



Steel Industry

4IN1 Screw Air Compressor – i Series

1



High Quality Air-End

Keep compressor stable running
Guaranteed no overheat problem
on continuous 100%load.

2



Line Air Filter

3 or 4pcs line air filter, remove
most of the liquid oil and water
as well as large solid particles.

3



Larger Volume Air Tank

Storage, buffer, cooling and
energy saving.

Backside

PLC Controller

Colorful touch controller, easy for
operation with record, remain,
alarm protect function.

4



5



Refrigerated Air Dryer

Lower pressure dew point,
remove 98% water from air.

Front

6



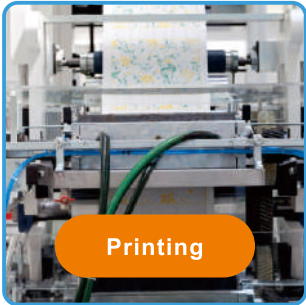
Reliable Inverter

Air supply = air demand,
no electricity wastage, no
unload wastage.

Regular Compressor System Chart VS 4 IN 1 Type



(AS7.5-8i)



Printing



Auto Industry

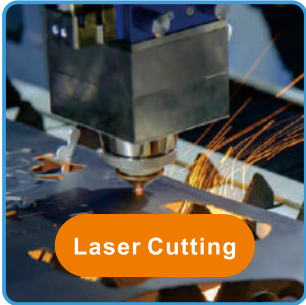


Textile

(Applicable to all walks of life)

Why We Choose Compressed Air Be The Auxiliary Gas Of Laser Cutting Machine?

- Advantage
Low cost, widely application.
- Applicable materials
Carbon steel, aluminum, aluminum alloy, stainless steel, brass, etc.
- Air supply pressure
13bar - 15bar.



Laser Cutting

Protect Your Laser Cutting Machine

After our search, the protective lens contacts with compressed air, if there is oil and water, the focused light will be dispersed, and the cutting efficiency will be reduced.

Therefore Airson 4in1 screw air compressor include 400L air tank, lower pressure dew point refrigerated air dryer and 4 level line air filter to protect your laser cutting machine, thus to reduce the factory operation cost.



(15Bar - 4pcs line air filter)

Technical Parameter

i series 4in1 Permanent Magnet VSD Screw Air Compressor

Model	Max Working Pressure		F.A.D		Motor Power		Air Tank Capacity L	Connection	Net Weight kgs	Dimension (L*W*H) mm
	bar	psig	m³/min	CFM	hp	kw				
AS7.5-8i	8	116	1.10	38	10	7.5	250	G3/4"	350	1430*800*1580
AS7.5-10i	10	145	0.90	31						
AS11-8i	8	116	1.60	56	15	11	400	G3/4"	510	1850*950*1870
AS11-10i	10	145	1.40	49						
AS15-8i	8	116	2.60	91	20	15	400	G3/4"	510	1850*950*1870
AS15-10i	10	145	2.00	70						
AS22-8i	8	116	3.60	127	30	22	400	G1"	555	1850*950*1870
AS22-10i	10	145	3.00	106						

(15 Bar-Special For Laser Cutting Machine)

Model	Max Working Pressure		F.A.D		Motor Power		Air Tank Capacity L	Connection	Net Weight kgs	Dimension (L*W*H) mm
	bar	psig	m³/min	CFM	hp	kw				
AS11-15i	15	217	1.0	35	15	11	400	G3/4"	510	1850*950*1870
AS15-15i	15	217	1.6	56	20	15	400	G3/4"	510	1850*950*1870
AS22-15i	15	217	2.3	81	30	22	400	G1"	555	1850*950*1870

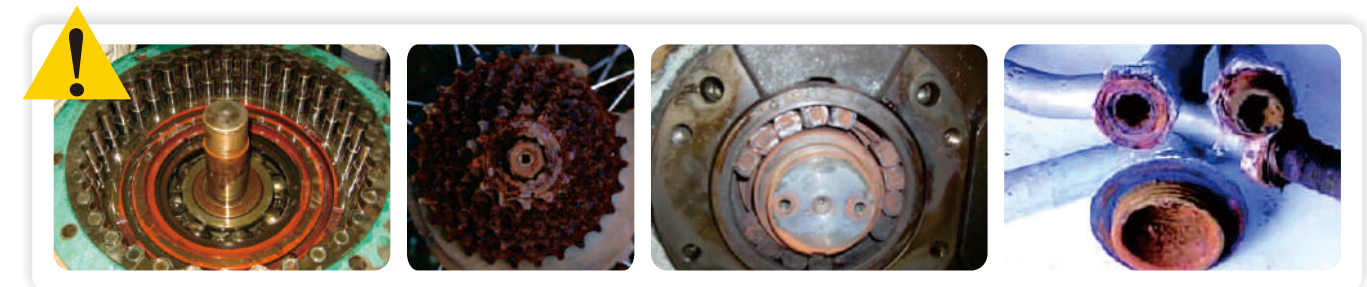
- According to the standard of GB19153-2009
- Compressor stage: one stage compression
- Standard power supply: 380v/50Hz/3Ph
- Exhaust temperature: ambient temperature +15℃
- Please contact us for any specification that is not within the above mentioned standards.



After-Treatment Equipment For Compressor Air System



Why You Need To Use The Refrigerated Air Dryer ?



- ◆ Usually compressed air contains 100% vapor, these vapors are condensed together when the air would be cooled. The condensed water not only damages the compressor system, reduces tool efficiency, but also destroys your terminal products, corrods piping and increases your maintenance costs.
- ◆ Can you image a 75kw screw air compressor has 280L water/day, although go through the air tank the compressed air still has 90L water/day, that means these 90L will enter into your production line if without air dryer.

Air Dryer Quality Assurance System



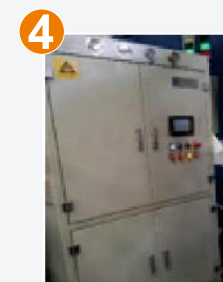
Superior German FONTARGE welding material improves the cooper pipe welding quality



INFICON P3000 8bar helium device detects the micro leakage from the refrigerant piping system



Refrigerant leakage detecting device: precision:2g/year. INFICON HLD5000, detect if any leakage from the air dryer when it is running



Auto refrigerant filling machine, precise control the refrigerant filling quantity in $\pm 1\%$



Constant temperature testing room: 100% performance testing for the air dryer in a 20~25°C testing room before delivering



Atlas-copco torque spanner, improve the reliability of compressor, evaporator and cooler connection.



ASD Series

- Standard Type

Dry compressed air

- ▶ High efficiency plate-fin type heat exchanger, the air Inlet & air outlet temperature difference lower than 5℃.
- ▶ Water remove rate reach to 99%.
- ▶ Relative humidity lower to 20% of outlet compressed air.

Energy saving

- ▶ Energy consumption reduce 50% compares with the conventional barrel type refrigerated air dryer.
- ▶ Optimized refrigerating system.
- ▶ Environment protect refrigerant R134A & R410A.

Reliable

- ▶ Durable imported Mitsubishi refrigerant compressor.
- ▶ Digital PLC displays air dryer dew point, fault code and operation situation.
- ▶ Optimize piping design, only 4 manual welding point, reduce the risk of leakage.
- ▶ Each air dryer should pass 3 leakage detecting: compressed air, helium and refrigerant test before delivering.

Easy operate

- ▶ One button to start and stop.
- ▶ All pipes and wires are connected before delivering, plug and use.

▶ ASD Series Technical Parameters

Model	Air Capacity	Refrigerant	Compressor Power	Power Supply	Dimension (L*W*H)	Net Weight	Air Connection
	m³/min						Inch
ASD 10	1.0	R134a	220	230/1/50	430x354x463	30	G3/4"
ASD 13	1.3	R134a	360	230/1/50	548x400x615	36	G3/4"
ASD 21	2.1	R134a	370	230/1/50	548x400x615	38	G3/4"
ASD 40	4.0	R410A	700	230/1/50	600x520x750	56	G1"
ASD 66	6.6	R410A	1050	230/1/50	600x520x750	58	G1 1/2"
ASD 85	8.5	R410A	1100	230/1/50	650x650x875	75	G1 1/2"
ASD 105	10.5	R410A	1150	230/1/50	650x650x875	79	G2"
ASD 140	14.0	R410A	1400	230/1/50	752x745x960	102	G2"
ASD 175	17.5	R410A	1650	230/1/50	752x800x1020	119	G2"
ASD 220	22.0	R410A	2650	230/1/50	927x795x1126	168	G2 1/2"
ASD 260	26.0	R410A	2900	230/1/50	927x795x1126	174	G2 1/2"

AIRSON Dryer Correction Factor

Inlet pressure correction factor									
bar	5	6	7	8	9	10	11	12	13
K1	0.9	0.97	1	1.03	1.06	1.08	1.1	1.12	1.13

Inlet temperature correction factor							
℃	25	30	35	40	45	50	55
K2	1	1	1	0.82	0.69	0.58	0.45

HDF&HDP design conditions:

* Ambient Temperature: 25℃

* Inlet Temperature: 35℃

* Inlet pressure 7bar

correction caslvulatio		
capacity m³/min	=	actual capacity m³/min (K1)x(K2)x(K3)

ambient temperature correction factor					
℃	25	30	35	40	45
K3	1	1	1	0.82	0.69

ASDP Series

- Professional Type

Reliable Running

- ▶ Automatic load regulation
- ▶ High quality spare parts
- ▶ High efficiency refrigerating control system

Excellect Performance

- ▶ Large design margin
- ▶ Stable and excellent dew point performance
- ▶ Each machine is 100% test before delivery

Easy Install

- ▶ Only plug and connect then can be used
- ▶ Single electrical interface
- ▶ Each component has been debugged

Easy Maintenance

- ▶ Low maintenance time
- ▶ Long maintenance interval
- ▶ The components are longer service life



▶ ASDP Series Technical Parameters

Model	Air Capacity	Refrigerant	Compressor Power	Power Supply	Dimension (L*W*H)	Net Weight	Connection	
	m³/min						Air	Water
ASDP 15	1.5	R134a	434	230/1/50	550x370x800	32	G1"	--
ASDP 21	2.1	R134a	434	230/1/50	550x370x800	36	G1"	--
ASDP 35	3.5	R410A	1165	230/1/50	520x500x800	60	G1"	--
ASDP 45	4.5	R410A	1240	230/1/50	550x600x980	68	G1 1/2"	--
ASDP 60	6.0	R410A	1240	230/1/50	550x600x980	75	G1 1/2"	--
ASDP 75	7.5	R410A	2058	230/1/50	550x600x980	85	G2"	--
ASDP 90	9.0	R410A	2170	230/1/50	900x750x1000	120	G2"	--
ASDP 115	11.5	R410A	1958	230/1/50	1025x660x1120	130	G2 1/2"	--
ASDP 150	15.0	R410A	2440	230/1/50	1025x660x1120	135	G2 1/2"	--
ASDP 175	17.5	R410A	2870	230/1/50	1025x660x1120	150	G2 1/2"	--
ASDP 225	22.5	R410A	3380	230/1/50	1025x660x1120	155	G2 1/2"	--
ASDP 250(A)	25.0	R410A	3850	230/1/50	1025x660x1120	180	G2 1/2"	--
ASDP 250(W)	25.0	R410A	3430	230/1/50	1025x660x1120	205	G2 1/2"	G3/4"
ASDP 350(A)	35.0	R410A	4860	380/3/50	1133x1000x1700	325	DN100	--
ASDP 350(W)	35.0	R410A	4000	380/3/50	1133x1000x1550	325	DN100	G1"
ASDP 450(A)	45.0	R410A	5626	380/3/50	1133x1000x1700	350	DN100	--
ASDP 450(W)	45.0	R410A	4766	380/3/50	1133x1000x1550	350	DN100	G1"
ASDP 500(A)	50.0	R410A	6293	380/3/50	1133x1000x1700	350	DN100	--
ASDP 500(W)	50.0	R410A	5433	380/3/50	1133x1000x1550	350	DN100	G1"
ASDP 600(A)	60.0	R410A	9171	380/3/50	1644x1000x1883	550	DN150	--
ASDP 600(W)	60.0	R410A	7871	380/3/50	1644x1000x1750	550	DN150	G1"
ASDP 750(A)	75.0	R410A	10069	380/3/50	1644x1000x1883	600	DN150	--
ASDP 750(W)	75.0	R410A	8769	380/3/50	1644x1000x1750	600	DN150	G1"
ASDP 1000(A)	100.0	R407C	14398	380/3/50	2100x1150x1900	700	DN150	--
ASDP 1000(W)	100.0	R407C	7936	380/3/50	2100x1150x1750	700	DN150	DN40
ASDP 1250(A)	125.0	R407C	9866	380/3/50	2100x1150x1750	750	DN150	DN50
ASDP 1250(W)	150.0	R407C	13697	380/3/50	2400x1150x1750	850	DN200	DN50

Operation Range:

* Working Pressure: 0.6-1.0 Mpa

* Ambient Temperature: 5-45℃

* Max. Inlet Temperature: <60℃

Standard Conditions:

* Working Pressure: 0.6-1.0 Mpa

* Inlet Temperature: 40℃

* Ambient Temperature: 30℃

* Pressure Dew Point: 3-10℃

Please connect with us when your demand is not in the above table.

Filter structure diagram

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

O-ring:Better sealing and strength

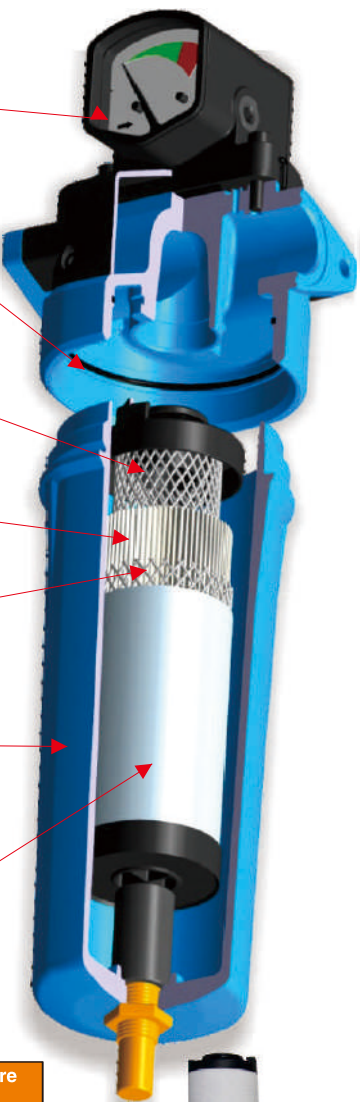
Stainless steel mesh:High filtration surface area with low differential pressure loss

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



Filter Grade

Grade	Product Chart	Filter level	Dust removal	Oil removal	Initial pressure difference
P		Dust filter	3 μ m	--	0.05bar
M		Coalescing filter	1 μ m	0.1ppm	0.08bar
H		High precision filter	0.01 μ m	0.01ppm	0.10bar
C		Activated carbon filter	--	0.003ppm	0.07bar
X		Superfine filter	0.01 μ m	0.005ppm	0.15bar
S		Coalescing filter	1 μ m	0.05ppm	0.25bar



Advantages

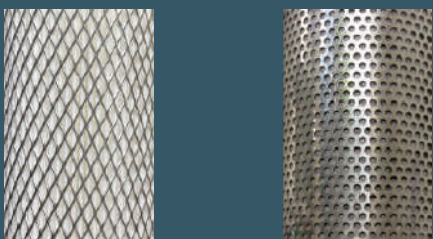
High efficiency | Long service life | Easy maintenance

Filter paper: deep-pleated filter element has 3 times offiltration area than rapped type and higher space to hold the dust,it also has lower pressure drop and longer life span.



Our brand Other brand

Rhombic shaped stainless steel mesh has larger effective filtration area and smaller pressure drop compare to round-hole type



Our brand Other brand

We uses polyester wadding for the external coalescing layer, compared to traditional foams,it has high resistance to high temperature and corrosion. Traditional foams is easily damaged after a period of time, ragged forms can be blown into down stream pipeline and possibly damage the production equipment.



Our brand Other brand

No pull rod design to save installation space and easy to disassemble



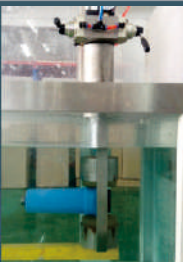
Our brand Other brand

Elbow design between air inlet and element,less pressure drop compared to vertical type. The housing is double treated with antioxidation and painting to resist corrosion.



Our brand Other brand

leak test equipment: filter leakage is a big energy loss, many micro leakge is not easy to detect. our filters are 100% strictly leak tested to ensure



Line Air Filter Technical Parameter

Model	Conn.size	Flow rate		Dimensions				Element model
	inch(RP)	m³/min	cfm	A	B	C	D	—
F0020	1/2"	0.57	20	95	207	174	95	0020E
F0021	3/4"	0.57	20	95	207	174	95	0020E
F0045	1/2"	1.3	46	95	207	174	110	0045E
F0046	3/4"	1.3	46	95	207	174	110	0045E
F0070	3/4"	2	70	95	267	235	145	0070E
F0100	3/4"	2.8	99	95	267	235	175	0100E
F0125	1"	3.5	124	125	301	261	185	0125E
F0126	1-1/2"	3.5	124	125	301	261	185	0125E
F0180	1"	5.1	180	125	301	261	185	0180E
F0181	1-1/2"	5.1	180	125	301	261	185	0180E
F0265	1-1/2"	7.5	265	125	385	345	230	0265E
F0370	1-1/2"	10.5	370	125	385	345	270	0370E
F0515	2"	14.6	515	170	504	455	390	0515E
F0745	2"	21.1	745	170	684	634	570	0745E
F0900	2-1/2"	25.5	900	200	820	752	570	0900E
F0901	3"	25.5	900	200	820	752	570	0900E
F1060	2-1/2"	30	1059	200	820	752	630	1060E
F1061	3"	30	1059	200	820	752	630	1060E
F1280	3"	36.3	1281	200	820	752	700	1280E
F1281	3"	36.3	1281	200	981	915	700	1280E
F1650	3"	46.7	1649	200	981	915	700	1650E
FL0745	DN65	21.1	745	330	684	634	500	0745E
FL0900	DN80	25.5	900	364	820	752	500	0900E
FL1060	DN80	30	1059	364	820	752	500	1060E
FL1280	DN80	36.3	1281	364	820	752	500	1280E
FL1650	DN100	46.8	1652	364	981	915	500	1650E

Working conditions:

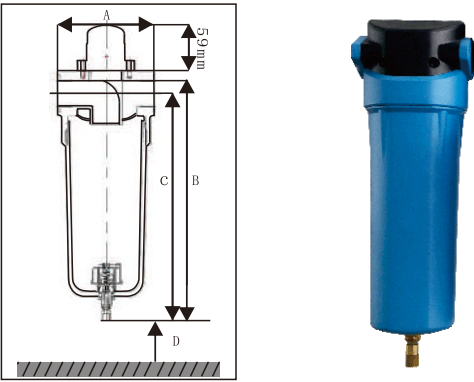
Max.operating temperature:<100℃(P,M,H),<60℃(C)
Min.operating temperature:<1.5℃
Min.operating pressure:<1.6Mpa

Standard configuration:

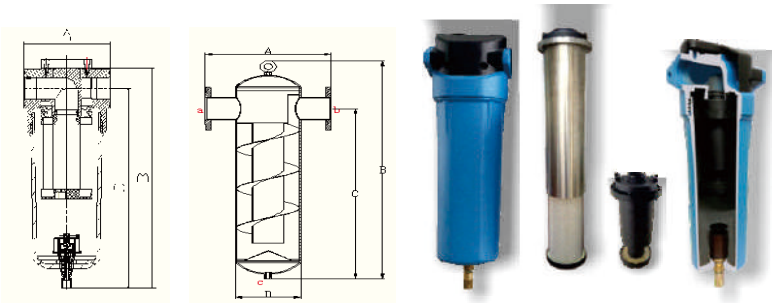
Air filter case +Filter element +Auto-drain

►Pressure Correction Factor

Working pressure (bar)	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Correction factors	0.5	0.63	0.75	0.88	1	1.13	1.25	1.38	1.5	1.63	1.75	1.88	2	2.13



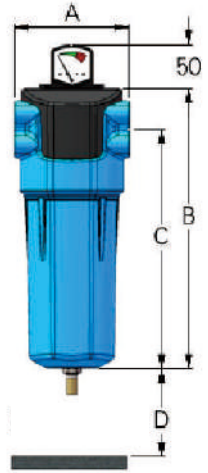
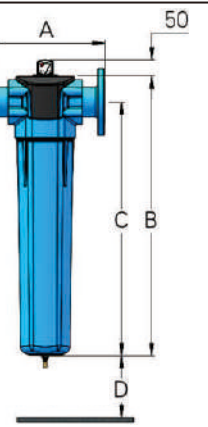
Air/water Separator Technical Parameter



Installing water separator before compressed air filter and drying equipment can remove 99 % of liquid water, making downstream purification more efficient. The unique two-stage cyclone separation design makes it more effective than traditional type of water separator. The air and water separator can be installed in various position such as after the air compressor, after the rear cooler or after the air receiver tank.

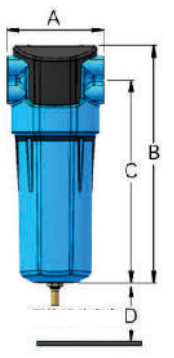
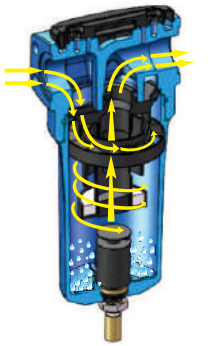
Model	Conn.size	Flow rate		Dimensions			
	inch(RP)	m³/min	cfm	A	B	C	D
F0045W	1/2"	1.3	46	95	207	174	--
F0046W	3/4"	1.3	46	95	207	174	--
F0100W	3/4"	2.8	99	95	267	235	--
F0180W	1"	5.1	180	125	301	261	--
F0181W	1-1/2"	5.1	180	125	301	261	--
F0370W	1-1/2"	10.5	370	125	385	345	--
F0515W	2"	14.6	515	170	504	455	--
F0745W	2"	21.1	745	170	684	634	--
F0900W	2-1/2"	25	1059	200	820	752	--
F0901W	3"	25	1059	200	820	752	--
F1060W	2-1/2"	30	1059	200	820	752	--
F1061W	3"	30	1059	200	820	752	--
F1650W	3"	46.7	1649	200	981	915	--
FL2100W	DN125	63	2224	535	1274	995	273
FL2800W	DN 150	84	2965	577	1484	1175	325
FL3500W	DN 150	105	3707	577	1584	1275	325
FL4448W	DN200	126	3448	650	1785	1410	380
FL5189W	DN200	147	5189	650	1885	1510	380
FL5930W	DN200	168	5930	650	1985	1610	380
FL6672W	DN200	189	6672	650	2085	1710	380
FL7350W	DN250	210	7413	785	2245	1795	480
FL8542W	DN250	242	8543	785	2345	1896	480
FL10096W	DN300	286	10096	875	2535	2048	530
FL11649W	DN300	330	11649	900	2635	2148	530

G SERIES ALUMINUM ALLOY FILTER

Model	Conn.size	Flow rate		Dimensions				Element model	Diagram
—	inch(RP)	m³/min	cfm	A	B	C	D	—	
G0055	1/2"	0.55	19	100	214	181	95	0055E*	
G0056	3/4"	0.55	19	100	214	181	95	0055E*	
G0120	1/2"	1.2	42	100	214	181	110	0120E*	
G0121	3/4"	1.2	42	100	214	181	110	0120E*	
G0200	3/4"	2	70	100	275	242	145	0200E*	
G0300	3/4"	3	106	100	275	242	175	0300E*	
G0350	1"	3.5	124	130	320	273	185	0350E*	
G0351	1-1/2"	3.5	124	130	320	273	185	0350E*	
G0500	1"	5	177	130	320	273	185	0500E*	
G0501	1-1/2"	5	177	130	320	273	185	0500E*	
G0750	1-1/2"	7.5	265	130	402	355	230	0750E*	
G1050	1-1/2"	10.5	371	130	402	355	270	1050E*	
G1450	2"	14.5	512	180	527	465	390	1450E*	
G1451	2-1/2"	14.5	512	180	527	465	390	1450E*	
G2200	2"	22	777	180	707	645	570	2200E*	
G2201	2-1/2"	22	777	180	707	645	570	2200E*	
G2500	2-1/2"	25	883	225	857	779	570	2500E*	
G2501	3"	25	883	225	857	779	570	2500E*	
G3000	2-1/2"	30	1059	225	857	779	630	3000E*	
G3001	3"	30	1059	225	857	779	630	3000E*	
G3002	4"	30	1059	225	857	779	630	3000E*	
G3500	3"	35	1236	225	1007	929	700	3500E*	
G3501	4"	35	1236	225	1007	929	700	3500E*	
G4500	3"	45	1589	225	1007	929	700	4500E*	
G4501	4"	45	1589	225	1007	929	700	4500E*	
G4900	4"	49	1730	225	1007	929	700	4900E*	
GL2201	DN65	22	777	310	707	645	110	2200E*	
GL2500	DN65	25	883	360	857	779	570	2500E*	
GL2501	DN80	25	883	360	857	779	570	2500E*	
GL3000	DN65	30	1059	360	857	779	570	3000E*	
GL3001	DN80	30	1059	360	857	779	630	3000E*	
GL3002	DN100	30	1059	360	857	779	630	3000E*	
GL3500	DN80	35	1236	360	1007	929	700	3500E*	
GL3501	DN 100	35	1236	360	1007	929	700	3500E*	
GL4500	DN80	45	1589	360	1007	929	700	4500E*	
GL4501	DN 100	45	1589	360	1007	929	700	4500E*	
GL4900	DN100	49	1730	360	1007	929	700	4900E*	

G SERIES WATER SEPARATOR

Technical parameters:
Working pressure: 0.7-1.6MPa.
Operating temperature: 100℃ Max.

Model	Conn.size	Flow rate		Dimensions				Diagram
—	inch(RP)	m³/min	cfm	A	B	C	D	
G0055W	1/2"	0.55	19	100	214	181	95	
G0056W	3/4"	0.55	19	100	214	181	95	
G0120W	1/2"	1.2	42	100	214	181	110	
G0121W	3/4"	1.2	42	100	214	181	110	
G0200W	3/4"	2	70	100	275	242	145	
G0300W	3/4"	3	106	100	275	242	175	
G0350W	1"	3.5	124	130	320	273	185	
G0351W	1-1/2"	3.5	124	130	320	273	185	
G0500W	1"	5	177	130	320	273	185	
G0501W	1-1/2"	5	177	130	320	273	185	
G0750W	1-1/2"	7.5	265	130	402	355	230	
G1050W	1-1/2"	10.5	371	130	402	355	270	
G1450W	2"	14.5	512	180	527	465	390	
G1451W	2-1/2"	14.5	512	180	527	465	390	
G2200W	2"	22	777	180	707	645	570	
G2201W	2-1/2"	22	777	180	707	645	570	
G2500W	2-1/2"	25	883	225	857	779	570	
G2501W	3"	25	883	225	857	779	570	
G3000W	2-1/2"	30	1059	225	857	779	630	
G3001W	3"	30	1059	225	857	779	630	
G3002W	4"	30	1059	225	857	779	630	
G3500W	3"	35	1236	225	1007	929	700	
G3501W	4"	35	1236	225	1007	929	700	
G4500W	3"	45	1589	225	1007	929	700	
G4501W	4"	45	1589	225	1007	929	700	
G4900W	4"	49	1730	225	1007	929	700	

PRESSURE CORRECTION FACTORS

Working pressure (bar)	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Correction factors	0.5	0.63	0.75	0.88	1	1.13	1.25	1.38	1.5	1.63	1.75	1.88	2	2.13

The above data are measured at 7 bar, 21℃ .

Example: You could choose the G1050W when processing air rate is 14.6m³/min,working pressure 11 bar.