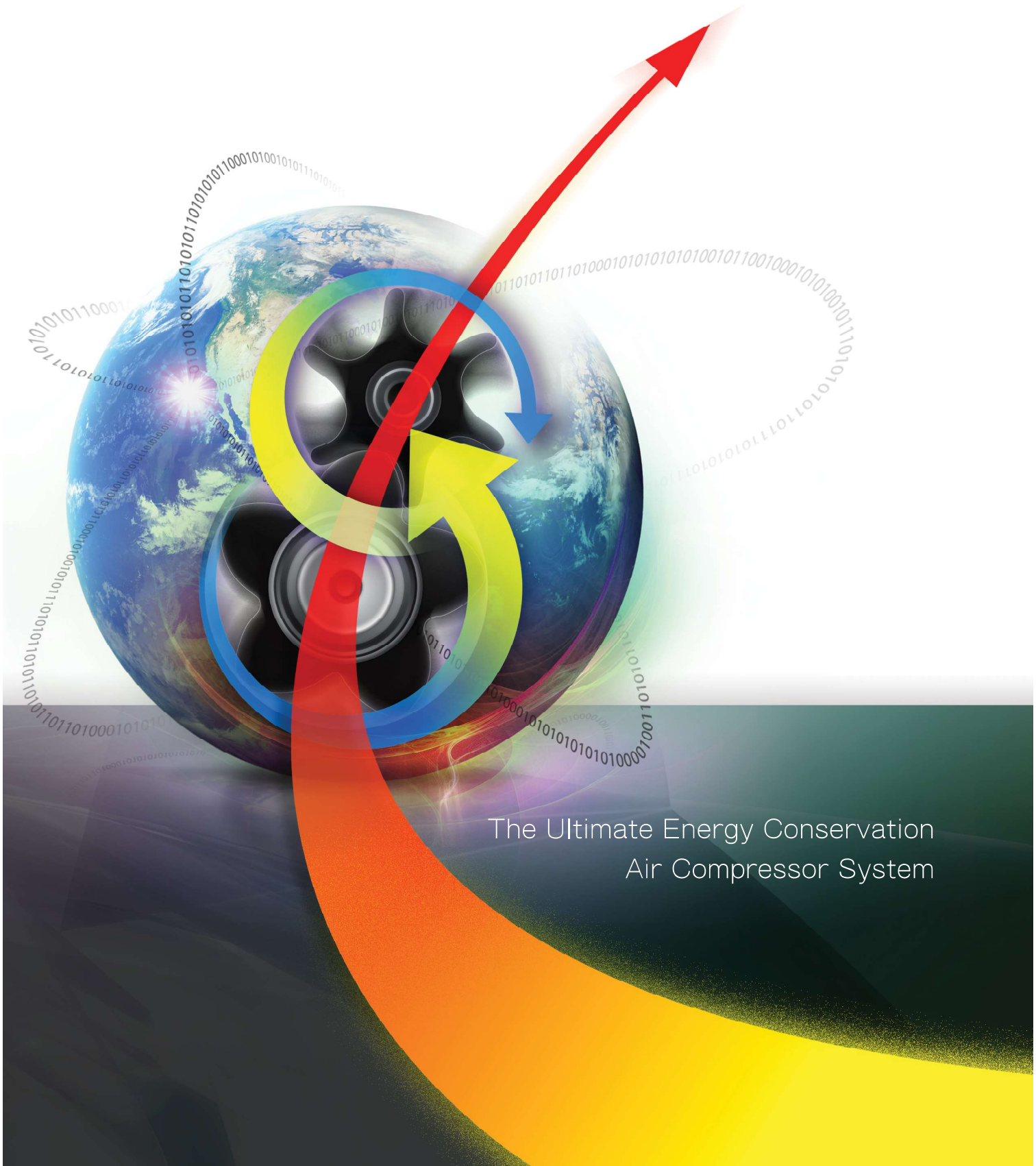
FUSHENG



The Ultimate Energy Conservation
Air Compressor System

FS
COMPRESSOR
THAILAND

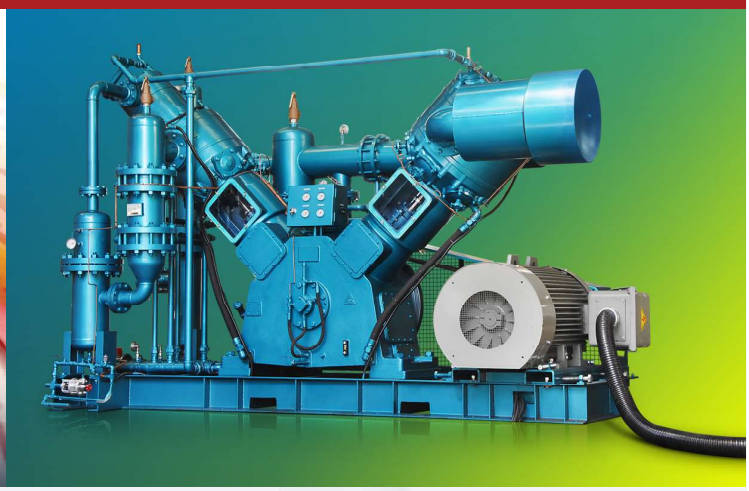
Founded in 1953, FUSHENG always strives to maintain a consistent managerial philosophy of pursuing excellence and enriching life. FUSHENG has made every effort to ensure that customers of the highest quality. After years hard work,FUSHENG has been providing compressors in more than sixty countries all over the word.

Keeping growth is the basic condition of survival in the competitive market. For years, FUSHENG has been keeping on improving manufacturing facility and technology. A plant automation project was initiated in 1978, which incorporated Managerial Information Systems (MIS), Engineering Information Systems (EIS) and Flexible Manufacturing Systems (FMS). With this integrated system, the management level is able to access the valuable information which benefits to the improvement of product design.

All of the parts and casings of the compressor are precisely milled under humidity and temperature control room and then a sophisticated coordinate measuring machine is used to inspect the dimension of finished parts. Compressor rotors dynamically balanced before assembly. Under FUSHENG quality control system,every screw compressor shall be tested before shipment.

FUSHENG GROUP FACTORIES WORDWIDE

St.Louis USA
Pittsburgh USA
Brazil
Obemausen Germany
India
Shanghai China
Guangdong China
Beijing China
Taipei Taiwan
Dong Nai Viet Nam
Thailand



VFW

VFW Series

High-Pressure Oil-free air piston compressors Introdution

Bottle blowing
PET blow-molding applications

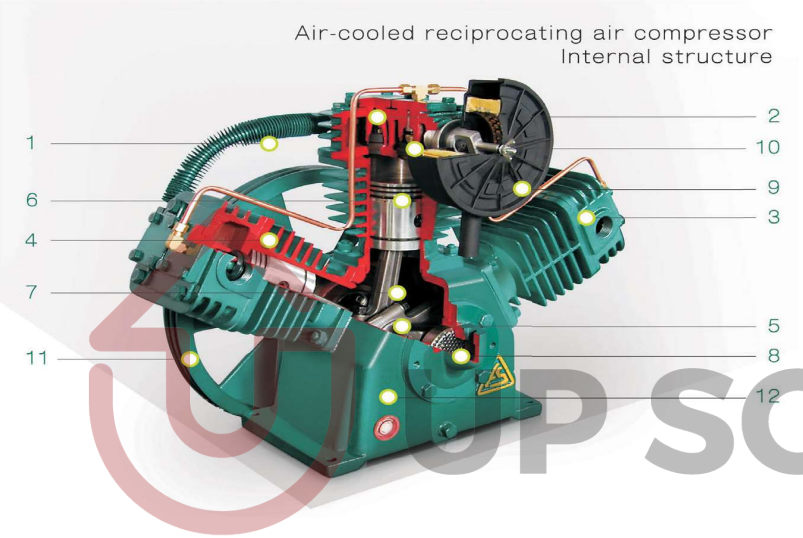
- A growing market with new applications.
- Based on the transfer from non-recyclable to recyclable PET bottles and containers.
- Main applications are soft drinks, mineral water, beer, milk, fruit juice and other non-food containers (pharmaceuticals and perfumes).

Model	VFW								
	50	75	100	125	150	175	200	250	300
Discharge pressure	40 bar g								
cyl.Bore x No. 1st 2nd 3rd	220x1 170x1 90x1	300x1 210x1 120x1	300x1 210x1 120x1	300x1 210x1 120x1	370x1 270x1 133x1	370x1 270x1 133x1	370x1 270x1 133x1	450x1 300x1 155x1	450x1 300x1 155x1
Stroke (mm)	120	200	200	200	200	200	200	200	200
r.p.m	500	220	295	370	275	320	370	380	450
Actual Air Delivery (m^3/min)	3	4.5	6	7.5	9	10.5	12	17	20
Motor(kW)	37	55	75	90	110	132	150	185	220
Cooling Water (l /min)	100	150	200	220	240	280	320	530	720
Complete Set Dimension L.W.H. mm	3400 1750 2000	4400 2550 2500	4400 2550 2500	4400 2550 2500	5100 2550 2900	5100 2550 2900	5100 2550 2900	4400 2420 3230	4400 2420 3230
Weight (kg)	3500	6500	6500	6500	9000	9000	9000	11000	11000

TA

A Series

Air Comperssor



1. Cooling copper tubing
2. Inlet and outlet valves
3. Cylinder head
4. Cylinder
5. Crankshaft
6. Piston ring
7. Connecting rod
8. Bearing
9. Air filter
10. Automatic unloading device
11. Belt-driven pulley for the compressor
12. Crankcase

Technical specifcations-single-stage air-cooled air compressor

Model	Motor		Cylinder			Comp R.P.M	Piston Disp		Actual Air Delivery At 7kg/cm^{2}G		Working pressure kg/cm^{2}G	Air Receiver			Air outlet Inch
	HP.	KW.	Bore	NO.	Strok (mm.)		L/min	CFM.	L/min	CFM.		Air tank Volume Liters	Dimension Ø mm/ mm	Maximum pressure kg/cm^{2}G	
VA-65	1	0.75	65	2	44	500	146	5.15	88	3.10	8	105	Ø 350x1160	10	1/4
TA-65	2	1.5	65	3	48	508	243	8.85	185	6.5	8	105	Ø 350x1160	10	1/2
VA-80	3	2.2	80	2	60	647	390	13.77	360	12.71	8	105	Ø 350x1160	10	1/2
												155	Ø 390x1410		
												245	Ø 485x1440		
TA-80	5	3.7	80	3	60	702	635	22.42	530	18.71	8	155	Ø 390x1410	10	1/2
												245	Ø 485x1440		
												304	Ø 485x1760		
VA-100	7.5	5.5	100	2	70	782	860	30.37	670	23.66	8	245	Ø 485x1440	10	3/4
												304	Ø 485x1760		
TA-100	10	7.5	100	3	70	725	1195	42.20	1000	35.32	8	304	Ø 485x1760	10	3/4
												500	Ø 640x1760		
TA120	15	11	120	3	80	700	1900	67.1	1500	52.98	8	304	Ø 485x1760	10	3/4
												500	Ø 640x1760		
TA-125	20	15	125	3	90	860	2850	100.66	2000	70.64	8	500	Ø 640x1760	10	1

HTA

A Series

Air Comperssor

Technical specifcations-two-stage air-cooled air compressor

Model	Motor		Cylinder			Comp R.P.M	Piston Disp		Actual Air Delivery At 7kg/cm^{2}G		Working pressure kg/cm^{2}G	Air Receiver			Air outlet Inch
	HP.	KW.	Bore (mm.)	NO.	Strok (mm.)		L/min	CFM.	L/min	CFM.		Air tank Volume Liters	Dimension Ø mm/ mm	Maximum pressure kg/cm^{2}G	
HTA-65	2	1.5	65	2	48	742	236	8.33	180	6.35	12	105	Ø 350x1160	15	1/4
			51	1											
HTA-65H	3	2.2	65	2	48	916	292	10.31	220	7.77	12	105	Ø 390x1410	15	1/2
			51	1											
HTA-80	5	3.7	65	2	60	954	575	20.30	450	15.89	12	245	Ø 485x1440	15	1/2
			51	1								304	Ø 485x1770		
HTA-100	7.5	5.5	80	2	70	739	812	28.68	600	21.19	12	245	Ø 485x1440	15	3/4
			65	1								304	Ø 485x1770		
HTA-100H	10	7.5	100	2	70	888	976	34.47	800	28.25	12	304	Ø 485x1770	15	3/4
			80	1								500	Ø 640x1760		
HTA-120	15	11	120	2	80	805	1455	51.39	1220	43.09	12	304	Ø 485x1770	15	3/4
			100	1								500	Ø 640x1760		
HTA-100S	5	3.7	100	1	70	680	374	13.21	254	8.97	35	304	Ø 485x1770	35	3/4
			42	1											
HTA-100S	10	7.5	100	2	70	710	781	27.64	536	18.93	35	304	Ø 485x1770	35	3/4
			51	1											

*There are other high-pressue and special models on request.please call availability.

Technical specifcations Oil-Free air compressor

Model	Motor		Cylinder			Comp R.P.M	Piston Disp		Actual Air Delivery At 7kg/cm^{2}G		Working pressure kg/cm^{2}G	Air Receiver			Air outlet Inch
	HP.	KW.	Bore (mm.)	NO.	Strok (mm.)		L/min	CFM.	L/min	CFM.		Air tank Volume Liters	Dimension Ø mm/ mm	Maximum pressure kg/cm^{2}G	
FVA-30(II)	3	2.2	100	2	70	467	513	18.1	220	7.7	8	245	Ø 485x1440	10	1/2
FVA-50(II)	5.5	4	100	2	70	700	770	27.1	420	14.8	8	245	Ø 485x1440	10	1/2
FVA-75(II)	7.5	5.5	100	2	75	756	890	31.4	650	22.9	8	245	Ø 485x1440	10	3/4
			71	1											
FVA-100(II)	10	7.5	115	2	90	570	1060	37.4	850	30.0	8	304	Ø 485x1770	10	3/4
			95	1											
FVA-150(II)	15	11	130	2	90	668	1595	56.3	1250	44.12	8	304	Ø 485x1770	10	3/4
			115	1											

SA

standard series

Air Compressor

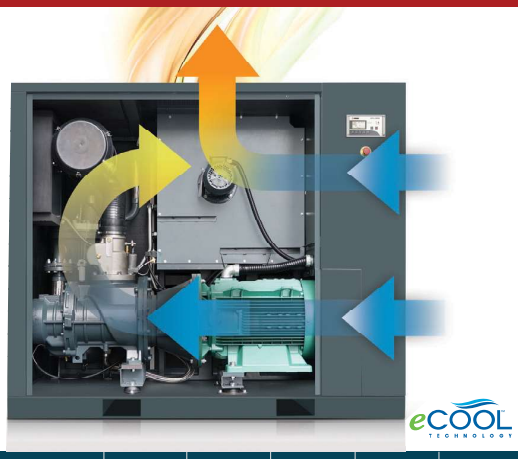
Model	Working pressure	Delivery	Main motor power		Voltage	Lubricating oil volume	Compressed air outlet	Length	Width	Height	Weight	Noise
	bar g	m^3/min	kW	HP	V	Liter	inch	mm	mm	mm	kg	dB(A)
50 Hz												
SA08	7	1.27	7.5	10	380	7.5	G $\frac{3}{4}$	800	670	1100	275	64
	8	1.18										
	10	0.99										
	12	0.8										
SA11	7	1.82	11	15							285	65
	8	1.7										
	10	1.52										
	12	1.35										
SA15	7	2.5	15	20		15	G1	1250	880	1515	610	71
	8	2.3										
	10	2.1										70
	12	1.8										
SA22	7	3.9	22	30							670	72
	8	3.7										
	10	3.2										71
	12	2.8										70
SA37	7	6.6	37	50		18.5	G1 $\frac{1}{2}$	1350	940	1680	860	73
	8	6.3										72
	10	5.6										71
	12	4.9										70

*Noise value is measured pursuant to ISO 2151

Eco- and User-friendly idea

IE3 electric motor is used for all SA series screw compressor. It gives the compressor greater performance and better energy efficiency.

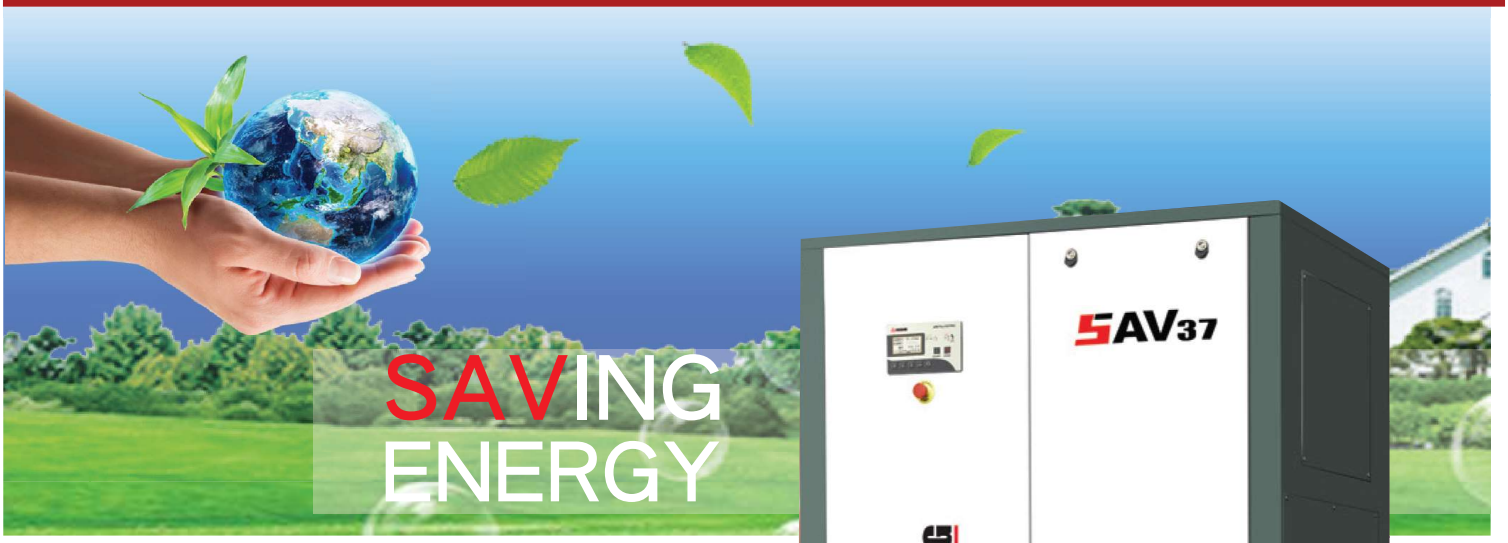
IE3 Motor inside



eCOOL TECHNOLOGY

Model	Working pressure	Delivery	Main motor power		Voltage	Lubricating oil volume	Compressed air outlet	Length	Width	Height	Weight	Noise
	bar g	m^3/min	kW	HP	V	Liter	inch	mm	mm	mm	kg	dB(A)
50 Hz												
SA55A SA55W	7	10.3	55	75	380	39	G2	2000	1250	1750	1640 1690	74
	8	10.1										
	10	8.4										
	12	7.6										
SA75A SA75W	7	14	75	100		52	G2	2180	1330	1850	2025 2013	76
	8	12.8										
	10	11.8										
	12	10.6										
SA90A SA90W	7	16.4	90	125		52	G2	2180	1330	1850	2120 2108	76
	8	15.3										
	10	13.8										
	12	12.4										
SA110A SA110W	7	21.0	110	150		80	3"Flange	2740	1710	1725	3000 2900	75
	8	20.0										
	10	17.0										
	12	15.3										
SA132A SA132W	7	25.2	132	175							3500 3400	
	8	23.2										
	10	21.0										
	12	18.3										
SA160A SA160W	7	29.2	160	215		120	4"Flange	2900	1860	1945	3700 3600	78
	8	27.9										
	10	24.6										
	12	21.9										
SA185A SA185W	7	32.6	185	250							3750 3650	
	8	30.4										
	10	27.6										
	12	25.3										
SA200A SA200W	7	35.2	200	270							3750 3650	
	8	33.7										
	10	30.3										
	12	27.7										

*Noise level is messured according to ISO 2151



SAV

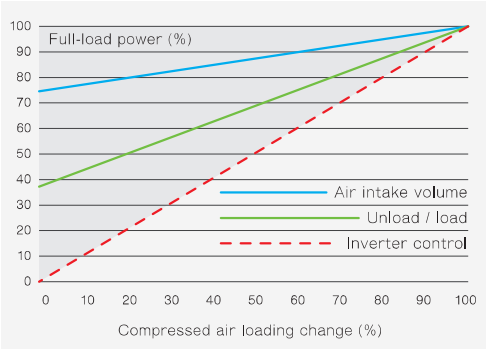
SAV series-VSD

Air Compressor

Model	Working pressure	Delivery	Main motor power		Voltage	Lubricating oil volume	Compressed air outlet	Length	Width	Height	Weight	Noise
	bar g	m^3/min	kW	HP	V	Liter	inch	mm	mm	mm	kg	dB(A)
50 Hz												
SAV08	7	0.64~1.27	7.5	10	380	7.5	G 3/4	1200	670	1100	310	67
	8	0.59~1.18										
	10	0.50~0.99										
	12	0.40~0.80										
SAV011	7	0.91~1.82	11	15							320	
	8	0.85~1.7										
	10	0.76~1.52										
	12	0.68~1.35										
SAV15	7	0.75~2.5	15	20		15	G1	1250	880	1515	540	72
	8	0.69~2.3										
	10	0.63~2.1										
	12	0.54~1.8										
SAV22	7	1.17~3.9	22	30							550	74
	8	1.11~3.7										
	10	0.96~3.2										
	12	0.84~2.8										
SAV37	7	1.98~6.6	37	50		18.5	G1 1/2	1350	940	1680	755	75
	8	1.89~6.3										
	10	1.68~5.6										
	12	1.47~4.9										

Frequency inverting control for energy saving

Variable-speed air compressor can provide 30%-100% Turndown range of capacity control. According to actual compressed-air demand of system to automatically Adjust rotational speed of motor to meet the requirement. Providing optimum energy saving solution in varialbe Loading management and reducing the operation cost up to 45%.



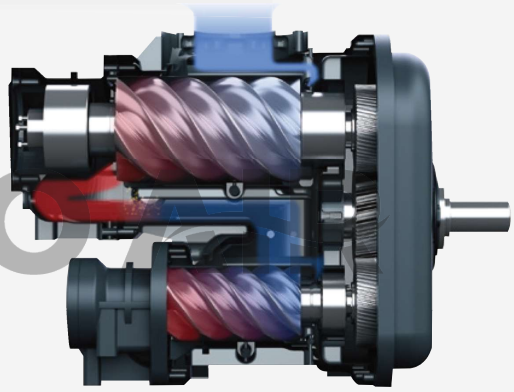
Model	Working pressure	Delivery	Main motor power		Voltage	Lubricating oil volume	Compressed air outlet	Length	Width	Height	Weight	Noise
	bar g	m^3/min	kW	HP	V	Liter	inch	mm	mm	mm	kg	dB(A)
50 Hz												
SAV55A SAV55W	7	3.09~10.3	55	75	380	39	G2	2000	1250	1750	1660 1710	74
	8	3.03~9.7										
	10	2.52~8.7										
	12	2.28~7.8										
SAV75A SAV75W	7	4.2~14	75	100		52	G2	2180	1330	1850	2010 1998	76
	8	3.84~12.8										
	10	3.54~11.8										
	12	3.18~10.6										
SAV90A SAV90W	7	4.92~16.4	90	125		52	G2	2180	1330	1850	2010 1998	76
	8	4.59~15.3										
	10	4.14~13.8										
	12	3.72~12.4										
SAV110A SAV110W	7	6.30~21.0	110	150		80	3" Flange	2940 2740	1710	1725	2900 2800	78
	8	6.00~20.0										
	10	5.10~17.0										
	12	4.59~15.3										
SAV132A SAV132W	7	7.56~25.2	132	175							3600 3500	
	8	6.96~23.2										
	10	6.3~21.0										
	12	5.49~18.3										
SAV160A SAV160W	7	8.76~29.2	160	215		120	4" Flange	3300 2900	1860	1945	3900 3800	81
	8	8.37~27.9										
	10	7.38~24.6										
	12	6.57~21.9										
SAV185A SAV185W	7	9.78~32.6	185	250							3950 3850	
	8	9.12~30.4										
	10	8.28~27.6										
	12	7.59~25.3										
SAV200A SAV200W	7	10.56~35.2	200	270							4000 3900	
	8	10.11~33.7										
	10	9.09~30.3										
	12	8.31~27.7										

*Noise level is messured according to ISO 2151

SAT

SA Series Two stage Compressor

compare to single stage compression, high temperature air compressed at first stage of two stage compressor is cooled down by oil and air being constant compressed to reduce second stage inlet temperature. Entire compression process is close to isothermal compression which reduces energy loss. Pressure ratio for each stage of two stage compression is decreased and leakage between rotor seal is reduced signnificantly. Ouststanding increased aiend volumetric efficiency optimized cost-efficency ratio when operated in continuous full load.

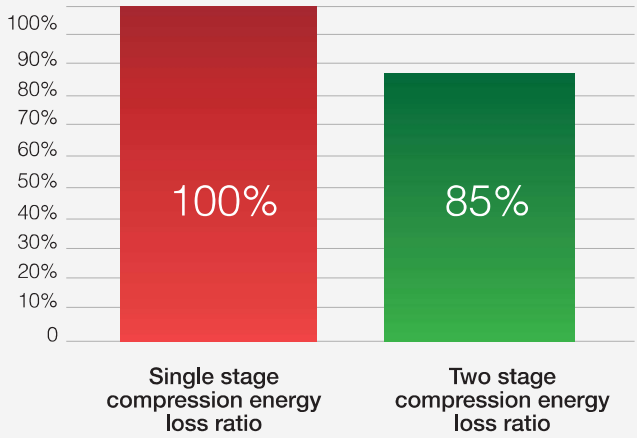


Two stage compression first grade energy efficiency

- High efficient energy saving, reduces cost of compressor in its life cycle.
- Two stage compressor is closer to isothermal compression.
- Reduce leakage increases volumetric efficiency.
- Saving more than 10% energy compare to single stage compression.
- Stable and reliable.
- Low pressure differential applied to parts.
- Low heat load
- Easy maintenance and service
- Safety and environmental protection

Energy loss ratio for two stage andsingle stage compression with the same power compressor

Compare two stage and single stage compression with the same power, efficiency gains is up to about 15%, energy loss can be saved around 15% accordingly.

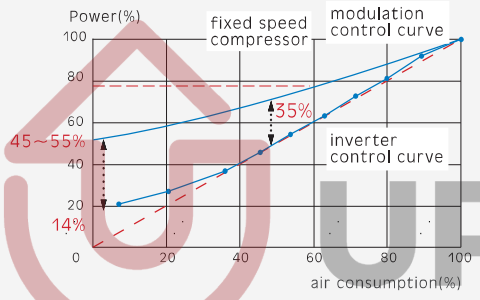


SA 90-250 Two stage Compressor Series

Model	Delivery (m^3/min)	Working Pressure bar g	Power (kW)	Dimension (mm)			Weight (kg)
				Length	Width	Height	
SA90A-7T	19.5	7	90	2900	1860	1945	4000
SA90A-8T	18.2	8					
SA90A-10T	16.3	10					
SA90A-12T	14.6	12					
SA90W-7T	19.5	7	90	2900	1860	1945	4000
SA90W-8T	18.2	8					
SA90W-10T	16.3	10					
SA90W-12T	14.6	12					
SA110A-7T	23.5	7	110	2900	1860	1945	4350
SA110A-8T	22.0	8					
SA110A-10T	19.2	10					
SA110A-12T	17.8	12					
SA110W-7T	23.5	7	110	2900	1860	1945	4250
SA110W-8T	22.0	8					
SA110W-10T	19.2	10					
SA110W-12T	17.8	12					
SA132A-7T	27.6	7	132	2900	1860	1945	4200
SA132A-8T	26.1	8					
SA132A-10T	23.2	10					
SA132A-12T	21.5	12					
SA132W-7T	27.6	7	132	2900	1860	1945	4200
SA132W-8T	26.1	8					
SA132W-10T	23.2	10					
SA132W-12T	21.5	12					
SA160A-7T	34.0	7	160	3520	2290	2030	4480
SA160A-8T	32.3	8					
SA160A-10T	28.6	10					
SA160A-12T	26.5	12					
SA160W-7T	34.0	7	160	3520	2290	2030	4380
SA160W-8T	32.3	8					
SA160W-10T	28.6	10					
SA160W-12T	26.5	12					
SA200A-7T	43.1	7	200	4200	2300	2300	7000
SA200A-8T	40.5	8					
SA200A-10T	35.0	10					
SA200A-12T	31.0	12					
SA200W-7T	43.1	7	200	4200	2300	2300	6500
SA200W-8T	40.5	8					
SA200W-10T	35.0	10					
SA200W-12T	31.0	12					
SA220A-7T	47.5	7	220	4200	2300	2300	7000
SA220A-8T	44.5	8					
SA220A-10T	38.7	10					
SA220A-12T	34.2	12					
SA220W-7T	47.5	7	220	4200	2300	2300	6500
SA220W-8T	44.5	8					
SA220W-10T	38.7	10					
SA220W-12T	34.2	12					
SA250A-7T	54.3	7	250	4200	2300	2300	7000
SA250A-8T	51.5	8					
SA250A-10T	45.3	10					
SA250A-12T	40.0	12					
SA250W-7T	54.3	7	250	4200	2300	2300	6500
SA250W-8T	51.5	8					
SA250W-10T	45.3	10					
SA250W-12T	40.0	12					

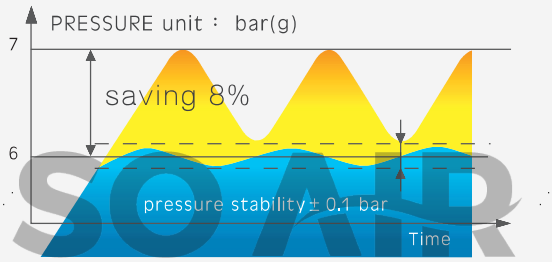
Linear operating and output

- Power saving up to 35% as compared to traditional modulation control compressors.
- Linear inverter control output can be achieved, depending on the demanded of load. (20~100%)



Stable pressure compressed air system

- Fast response to air demand change keeps working pressure constant within ± 0.1 bar.
- Saving up to 8% energy that is additionally required in traditional load/unload control compressor units due to pressure difference setting of 1 bar.



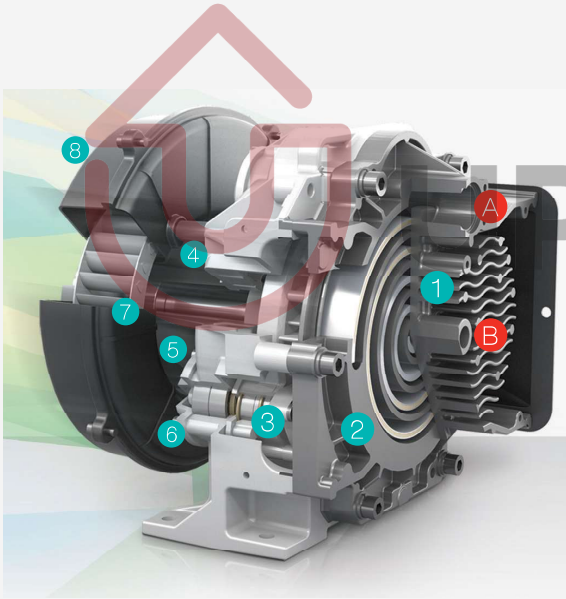
Air compressors provide clean, good quality oil-free compressed air with injected water into compression process

Type cooling method	unit	SWV22 Air cooling	SWV37 Air cooling / Water cooling
F.A.D. (m^3/min)	7 bar g	3.4	5.8/6.0
(ISO 1217 / Annex C)	8 bar g	3.1	5.3/5.4
Horsepower	kW (HP)	22(30)	37(50)
Voltage	V	380	380
Pressure control method		Inverter constant pressure control	
Intake pressure & temp		2~4 ℃ at atmospheric pressure	
Drive method		Direct Coupling	
Discharge temperature	℃	Air cooling : < ambient temperature+24 ℃ Water cooling : < cooling water temperature+14 ℃	
Outline dimension	mm	1880x860x1990	1850x1315x2080 / 1850x1315x1515
Net weight	kg	950	1580 / 1420
Ari outlet pipe	inch	1	1-1/2
Total oil volume	Liter	1.6	2.0

GW

GW Series

Oil-Free Scroll Air Compressor



Structure description

1	Fixed scroll	5	Anti-rotation shaft
2	Orbiting scroll	6	Housing
3	Crank carrier	7	Bearing set
4	Driving shaft	8	Cooling fan
A	Suction	B	Delivery

Basic principal

Orbiting scroll Compression chamber

Fixed scroll

Model	Working Pressure	Delivery	Power	Dimension	Weight	Compressed air outlet	Noise
	bar g	m^3/min	kW	mm	kg		dB(A)
GW04	8	0.41	4	640 x 600 x 895	150	G1/2”	56
GW04-T	8	0.41	4	1550 x 600 x 1510	300	G1/2”	56
GW08	8	0.82	8	1020 x 750 x 1645	300	G3/4”	56
GW11	8	1.23	11	1600 x 750 x 1730	450	G1”	60
GW15	8	1.64	15	1600 x 750 x 1730	550	G1”	62

Note: 1. Free air delivery is based on ISO 1217, Edition 3, AnnexC1996 for measurement, reference condition : dry air, suction air pressure 1 bar g
2. Noise value is measured according to ISO 2151 : 2004 with 3dB(A) tolerance

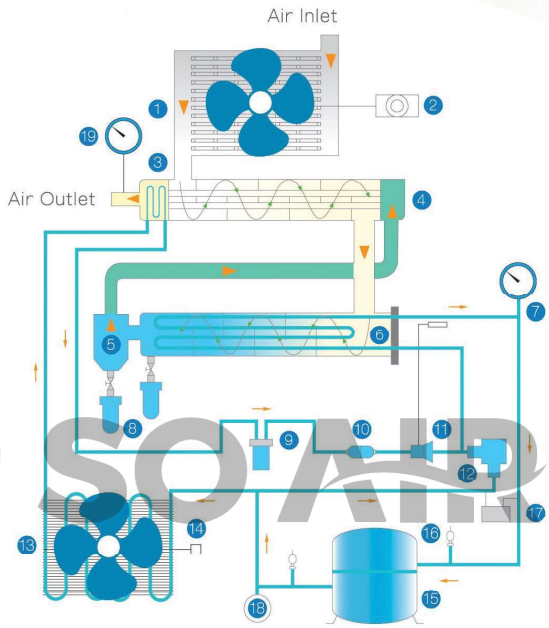
FR

FR Series

Air-Cooled
Refrigeration dryer

System Flow Chart

1 Pre-cooler
2 “Economizer” switch
3 Secondary condenser
4 Air heat exchanger
5 Water separator
6 Evaporator
7 Pressure gauge (dew point)
8 condensate drain valve
9 Refrigerant receiver
10 Line filter
11 Expansion valve
12 Hot gas bypass valve
13 Air-cooled condenser
14 Anti-freezng protection switch
15 Compressor
16 Service/Inflow valve
17 High-low pressure protection switch
18 Pressure gauge (refrigerant)
19 Pressure gauge (air)



Model		FR															
		05AP	10AP	15AP	20AP	30AP	50AP	75AP	100AP	125AP	150AP	175AP	200AP	250AP	300AP	400AP	500AP
max.capacity (m^3/min)		0.83	1.4	1.7	2.7	3.7	7.2	11.1	15	18.6	22.3	26	29.7	35.6	44.4	59.5	70.8
Air inlet temp		50˚C															
Ambient temp		32˚C															
Dew point		2~10˚C at 7 kg/cm^2															
Operating pressure		0.7 Mpa															
Refrigerant		R134a				R22											
Power consumption (Kw)		0.5	0.55	0.7	0.8	1.1	1.5	2.1	2.7	3.5	4.2	5.4	5.5	6.8	8.2	10.1	12.1
Power supply		220V /1ph / 50 Hz						380V /3ph / 50 Hz									
Air piping size		G 1/2”	G1”	G1”	G1 1/4”	G1 1/2”	G2”	DN80	DN80	DN80	DN80	DN100	DN100	DN100	DN125	DN125	DN150
Dimensions (mm)	H	640	740	740	770	920	920	1150	1150	1150	1360	1360	1360	1360	1760	1760	2120
	W	525	735	735	825	1070	1070	1500	1700	1700	1070	1070	1070	1070	1350	1350	1500
	D	380	470	470	470	600	600	940	940	940	1900	1900	2200	2200	2200	2200	2350
Net weigth (kg)		56	68	75	90	140	150	315	365	380	460	480	590	600	900	1000	1200

*Maximum air inlet temperarure Limit : 80˚C *Maximum operation pressure : 0.98 Mpa *ambient temperarure : 2~40˚C

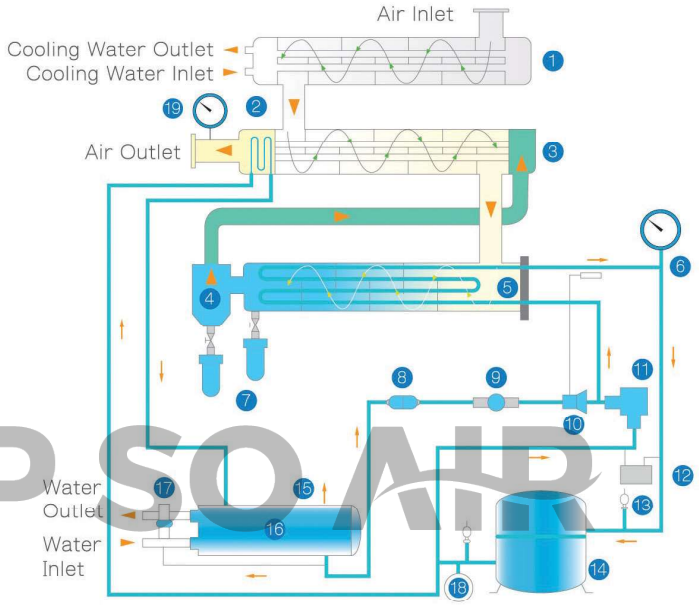
FR

FR Series

Water-Cooled
Refrigeration dryer

System Flow Chart

1 Pre-cooler
2 Secondenser
3 Air heat exchanger
4 Water separator
5 Evaporator
6 Pressure gauge (dew point)
7 Condensate drain valve
8 Line filter
9 Sight glass
10 Expansion valve
11 Hot gas bypass valve
12 Pressure head switch
13 Service/ Inflow valve
14 Compressor
15 Relief valve
16 Water-cooled condenser
17 Water flow regulating valve
18 Pressure gauge (refrigerant)
19 Pressure gauge (air)



Model		FR										
		075WP	100WP	150WP	200WP	250WP	300WP	400WP	500WP	600WP	750WP	1000WP
max. capacity (m^3/min)		10.7	14.4	21.4	28.5	34.2	42.7	59.5	70.8	79.3	106.2	141.4
Air inlet temp		50℃										
Ambient temp		32℃										
Dew point		2~10℃ at 7 kg/ cm^2										
Operating pressure		0.7 Mpa										
Refrigerant		R22										
power consumption (Kw)		2.1	2.8	2.8	4.1	5.3	6.1	7.8	8.9	10.3	13.5	16.3
power supply		380V / 3ph / 50Hz										
Air piping size		DN80	DN80	DN80	DN100	DN100	DN125	DN125	DN150	DN150	DN200	DN200
condenser piping size		G 3/4"	G 3/4"	G1"	G1	G1 1/4"	G1 1/2"	G1 1/2"	G1 1/2"	G1 1/2"	DN50	DN65
Pre-cooler piping size		G1"	G1"	G1"	G1 1/2"	G1 1/2"	G1 1/2"	G2"	G2"	G2"	G2 1/2"	G2 1/2"
Cooling water flow rate (m^3/hr)		6	6	7.6	9	11.3	13.5	18	21.5	27	36	45
Condensser (RT)		4	4	5	6	7.5	9	12	15	17	24	30
Cooling tower (RT)		8	8	10	15	15	20	25	30	40	50	60
Dimensions (mm)	H	1200	1200	1200	1355	1355	1580	1580	1700	1700	1870	1870
	W	940	940	940	1070	1070	1200	1300	1350	1350	1600	1600
	D	1500	1500	1700	1900	1900	2120	2320	2320	2500	2620	3020
Net weight (kg)		260	300	350	500	550	800	900	1000	1100	1400	1600

* Maximum air intel temperarure limit : 80℃ * Maximum operation pressure : 0.98 Mpa * Cooling water temperature (30-40℃)

FD

FD Series High efficency

Desiccant dryers

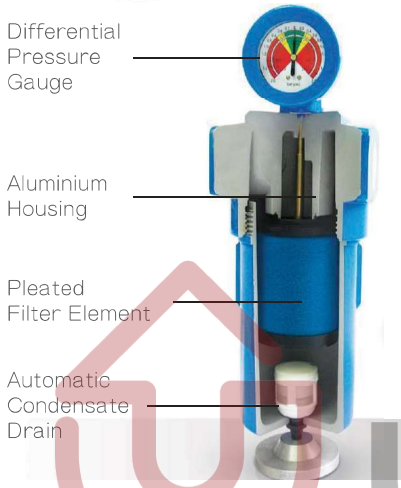
Dryer model	Min operating pressure	Max operating pressure	Min operating temperature	Max operating temperature	Max Ambient temperature	Electrical supply	Noise Level
	bar g	bar g	˚C	˚C	˚C		dB(A)
FD005~FD020	4	16	2	50	55	220/50Hz	<75
FD025~FD040	4	13	2	50	55		
FD050~FD250	4	13	2	50	55	220/50Hz	

Model	pipe size	Floe rate		Dimensions (mm)			Weight
		cfm	m^3/min	H	W	D	(kg)
FD005	3/4”	24	0.68	837	284	302	32
FD008	3/4”	32	0.91	1003	284	302	37
FD010	3/4”	42	1.19	1168	284	302	42
FD012	3/4”	53	1.5	1333	284	302	47
FD015	3/4”	65	1.84	1499	284	302	52
FD020	3/4”	88	2.49	1747	284	302	60
FD025	1”	106	3	1433	220	567	80
FD030	1”	130	3.68	1599	220	567	90
FD040	1”	176	4.98	1847	220	567	104
FD050	2”	240	6.8	1647	550	686	235
FD075	2”	360	10.2	1647	550	856	316
FD100	2”	450	12.75	1892	550	856	355
FD125	2”	600	17	1892	550	1025	450
FD150	2 1/2”	750	21.25	1892	550	1194	543
FD175	2 1/2”	900	25.5	1892	550	1363	637
FD200	2 1/2”	1050	29.75	1892	550	1532	731
FD250	2 1/2”	1200	34	1892	550	1701	825

Stated flows are for operation at 7 bar g (100 psig) with reference to 20 ˚C 1 bar g relative water vapour pressure.

T

T-Series
Compressure Air Filters



Low pressure drop and high performance filter

Filter Grade	Particle removal Down To	Oil Removal Down Top (*)	Nominal Initial Pressure Drop
P	3 Micron	---	0.03 bar g
U	1 Micron	0.5 mg/m^3	0.05 bar g
H	0.01 Micron	0.01 mg/m^3	0.09 bar g
C	---	0.003 mg/m^3	0.10 bar g

(*) Referred to 7 bar g and 20°C Degrees celsius

Filter Model	Pipe conn	Capacity At 7 (kg/cm^2) Gauge Pressure			operating Pressure (kg/cm^2)	Approx Weight (kg)	Dimensions (mm)				Replacement Element Model
		(1/S)	(M^3/min)	cfm			A	B	C	D	
T10	G 1/2	20	1.20	42	16	1.4	87	209	21	90	AET10
T15	G 3/4	28	1.70	60	16	1.7	87	279	21	90	AET15
T20	G1	47	2.80	99	16	4.2	130	315	43	135	AET20
T40	G1 1/2	90	5.40	191	16	4.8	130	415	43	235	AET40
T60	G1 1/2	133	8.00	283	16	5.6	130	515	43	335	AET60
T75	G1 1/2	200	12.00	424	16	8.4	130	715	43	525	AET75
T125	G2	283	17.00	600	16	11.4	164	823	48	520	AET125
T175	G2 1/2	433	26.00	918	16	13.0	164	1073	48	770	AET175
T250	G3	600	36.00	1272	16	20.0	250	1052	74	610	AET250
T300	G3	767	46.00	1625	16	27.5	250	1202	74	760	AET300

Tank

Tank-Series

Air Receiver

SPECIFICATION OF AIR RECEIVERS

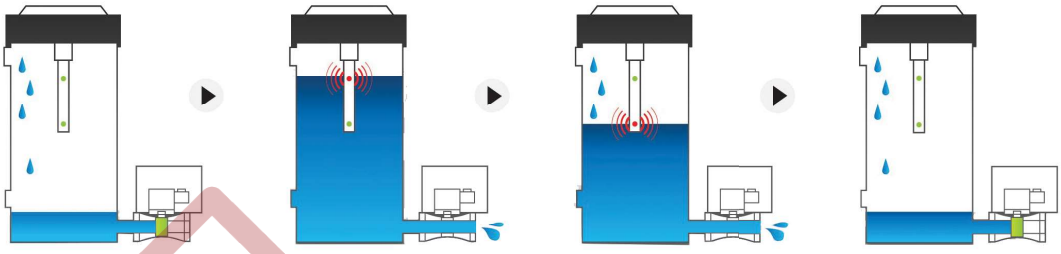
Size	IN/OUT	Dimensions (mm)		
Liter/ thick	nozzle (inch)	Height	Diameter	Weight/kg
Tank 200/4.5	1 1/2”	1650	500	90
Tank 300/4.5		1465	600	125
Tank 500/4.5		2200	600	150
Tank 500/6		2200	600	200
Tank 800/6	2”	2200	770	260
Tank 1000/6		2250	850	300
Tank 1000/8		2250	850	380
Tank 1500/8		2300	1100	450
Tank 2000/8		2800	1100	620
Tank 2500/8	3”Flange	3000	1150	670
Tank 3000/8		3400	1150	790
Tank 4000/9	4”Flange	3450	1350	1020
Tank 5000/9		3900	1350	1300
Tank 6000/12	5”Flange	4060	1500	1800
Tank 8000/12		4060	1750	2200
Tank 10000/15	6”Flange	4060	1940	3000

FA

FA-Series

Zero Air Loss Auto Drain

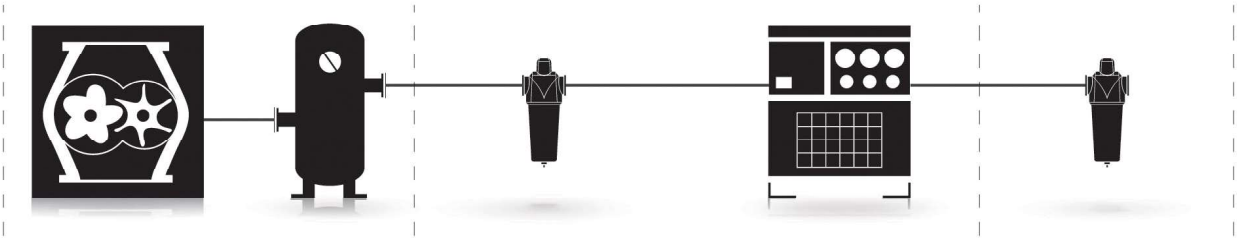
How it works ?



1. Condensate flows into the trap and the liquid level increases.
2. Sensor detects high liquid level and discharge condensate by opening the ball valve automatically.
3. Sensor signals the valve to close when discharged condensate down to low liquid level.
4. Liquid seal prevents air leakage when the valve closed.

Model		FA100	FA200	FA700	FA2000	FA4000
Pressure	Bar g	0-10	0-16	0-16	0-16	0-16
Inlet	Inch	1/2″	1/2″	3/4″	3/4″	1″
Discharge	Inch	1/4″	1/2″	1/2″	1/2″	1/2″
Voltage	AC(V)	220	220	220	220	220
Weight	Kg	1.5 kgs	1.5 kgs	3.5 kgs	4.5 kgs	8 kgs
Compressor Area	m^3/min	15	30	95	300	700
Refrigeration Dryer Area	m^3/min	30	60	190	600	1400
Filter Area	m^3/min	150	300	1000	3000	7000

Compressor Area | Refrigeration Dryer Area | Filter Area



Air compressor | Air Receiver | Filter | Refrigeration Dryer | Filter

The ultimate energy conservation
air compressor system

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