



VORTEX

COMPRESSOR

oil-free

The innovation of compressed air tools and machineries, specific production process needs air without oil

In order to satisfy this requirement of the market VORTEX decided to produce oil free compressors. Using non-lubricated compressed air eliminates the requirement of complicated filter assemblies.

This new type compressors are reliable compact, silent and capable of producing oil free compressed air.

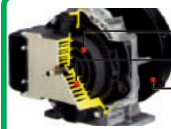
The final pressure occurs gradually without contact among the metallic parts in progressive way through the combined action of one fixed helicoidal and second spinning element

The movement is continuously therefore this allows to have continuous air flow.

VOFS models are designed to produce non-lubricated models by following principles; simple construction lower cost and reliable unit

These series cover the range from 1.5 to 60 kW models

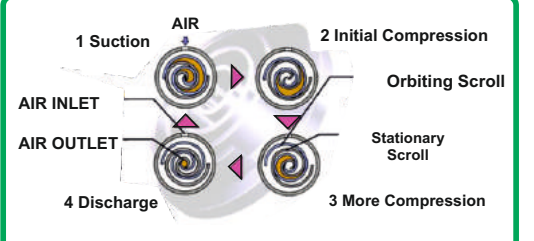
All models have; stand alone models, assembled on receiver models with and without dryer



Oil less compression chamber from treated Aluminium diecast for high quality air
Effective aluminium heat radiation fin for higher efficiency and long life
Integrated cooling system (Fan)



Scroll design for increased reliability



Maximum Performance,
Better Environment
Condition

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APPLICATIONS

Environment - friendly

High Efficiency

Low cost



Laboratory



Food Industry



Chemistry



Medical Applications



VORTEX

COMPRESSOR

Oil Free Scroll Air Compressor 1,5-60 kW

Advantages

- Easy installation and silent unit:

Compact and silent unit can be installed in anywhere very easily. Condensate air does not include oil, therefore it is problem-free

- Easy maintenance, energy save opportunity;

Maintenance is easy, gradually working is possible on multi models

Simple design ensures an easy access to each internal components. This makes it easy-maintenance product. On multi models, it is possible to run one or more than one scroll unit at the same time. Therefore it saves energy.

- Constant Pressure

Pressure occurs gradually through the combined action of one stationary and orbiting scroll. Therefore continuously compressed air production ensures constant pressure

- Oil free – clean air

There is no oil injection in the compressor. This ensures to get oil free – clean air in the system.



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	Scroll Pump Model	Discharge Pressure (BAR)	Free Air Delivery (l/min)	Drive V-Belt	Air Outlet inch	Noise (1m distance) dB(A)	Motor kW/(HP)
VOFS 1.5	1 X VL22	8	170	1 x V	1/2"	52	1.5 / 2
VOFS 2.2	1 X VL22	8 / 10	250 / 210	1 x V	1/2"	55	2.2 / 3
VOFS 3.7	1 X VL55	8 / 10	410 / 345	2 x V	1/2"	58	3.7 / 5.0
VOFS 5.5	1 X VL55	8 / 10	620 / 470	2 x V	1/2"	60	5.5 / 7.5
VOFS 7.5	1 X VL75	8 / 10	880 / 700	2 x V	1/2"	62	7.5 / 10
VOFS 11	2 X VL55	8 / 10	1240 / 940	2 x (2 x V)	3/4"	64	2 x 5.5 / 7.5
VOFS 15	2 X VL75	8 / 10	1760 / 1400	2 x (2 x V)	3/4"	65	2 x 7.5 / 10
VOFS 22	3 X VL75	8 / 10	2640 / 2100	3 x (2 x V)	1"	66	3 x 7.5 / 10
VOFS 30	4 X VL75	8 / 10	3520 / 2800	4 x (2 x V)	1"	68	4 x 7.5 / 10
VOFS 45	6 X VL75	8 / 10	5280 / 4200	6 x (2 x V)	1 1/2"	70	6 x 7.5 / 10
VOFS 60	8 X VL75	8 / 10	7040 / 5600	8 x (2 x V)	1 1/2"	72	8 x 7.5 / 10

* All models work with 3ph/400V/50Hz and 230V/460V/60Hz

	Scroll Pump Model	Discharge Pressure (BAR)	Free Air Delivery (l/min)	Drive V-Belt	Air Outlet inch	Noise (1m distance) dB(A)	Motor kW/(HP)	Tank Capacity L
VOFS 1.5 T	1 X VL22	8	170	1 x V	1/2"	52	1.5 / 2	270
VOFS 2.2 T	1 X VL22	8 / 10	250 / 210	1 x V	1/2"	55	2.2 / 3	270
VOFS 3.7 T	1 X VL55	8 / 10	410 / 345	2 x V	1/2"	58	3.7 / 5.0	270
VOFS 5.5 T	1 X VL55	8 / 10	620 / 470	2 x V	1/2"	60	5.5 / 7.5	270
VOFS 7.5 T	1 X VL75	8 / 10	880 / 700	2 x V	1/2"	62	7.5 / 10	500
VOFS 11 T	2 X VL55	8 / 10	1240 / 940	2 x (2 x V)	3/4"	64	2 x (5.5 / 7.5)	500

	Scroll Pump Model	Discharge Pressure (BAR)	Free Air Delivery (l/min)	Drive V-Belt	Air Outlet inch	Noise (1m distance) dB(A)	Motor kW/(HP)	Tank Capacity L	Dryer Model
VOFS 1.5 TD	1 X VL22	8	170	1 x V	1/2"	52	1.5 / 2	270	VKE 23
VOFS 2.2 TD	1 X VL22	8 / 10	250 / 210	1 x V	1/2"	55	2.2 / 3	270	VKE 23
VOFS 3.7 TD	1 X VL55	8 / 10	410 / 345	2 x V	1/2"	58	3.7 / 5.0	270	VKE 53
VOFS 5.5 TD	1 X VL55	8 / 10	620 / 470	2 x V	1/2"	60	5.5 / 7.5	270	VKE 53
VOFS 7.5 TD	1 X VL75	8 / 10	880 / 700	2 x V	1/2"	62	7.5 / 10	500	VKE 100
VOFS 11 TD	2 X VL55	8 / 10	1240 / 940	2 x (2 x V)	3/4"	64	2 x (5.5 / 7.5)	500	VKE 100