

Oil Free Scroll Air Compressor 1.5-60 kW



The innovation of technology and emergence of specific production processes necessitates compressed air to be provided completely oil-free.

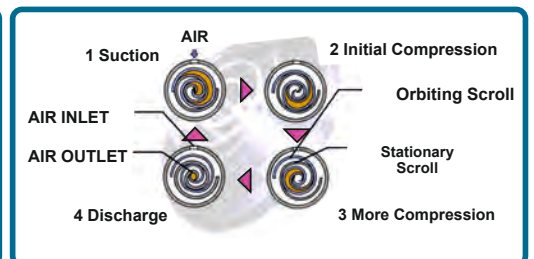
VORTEX answers this need in the market with VOFS series oil free compressors. Using non-oil lubricated compressors both ensures there is absolutely no oil in the output air and eliminates the need for complicated oil filter assemblies.

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

The air is compressed gradually without contact between two helical assemblies in a progressive manner through the combined action of one fixed helicoid and a second spinning element.



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

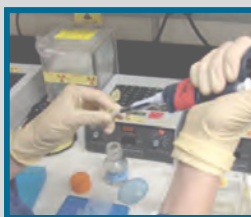


APPLICATIONS

Environment - friendly

High Efficiency

Low cost



Laboratory



Food Industry



Chemistry



Medical Applications

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.



	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

**These models are supplied as mount on frame models, without silencer cabinets

	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