FSCURTIS



ISO 9001:2008 CERTIFIED

Oilfree

100% oil-free design

W SERIES

Oil-free, Air-cooled Piston Air Compressor

Wide-ranging application

- Food-processing
- Electronics manufacturing
- Medical air for hospital
- Pharmaceutical
- Biochemical
- Petrochemical
- Precision Painting

Salient features

- Low speed
- Low power
- Low spares cost
- High availability
- High Efficiency



Features

Dry crankcase, 100% oil free

Dry compression chamber is always not enough! FS CURTIS total oil free compressor uses dry crankcase design, absolutely no risk of oil residue carried to compression chamber.

Cooling system

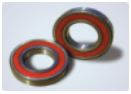
High efficiency cooling fan transmits great amount of heat, better performance results from multi stages of compression, compact streamlined air passages on the cylinder and head enhance cooling effect, 2-stage compression for 7.5HP and above models reduces power consumption and less heat accordingly, the copper tube between stages is fitted with cooling fans to reduce operating temperature effectively.

Low Rotational speed, long service life

Industrial design of compressor ring reduces leakage and results in lower speed and longer life.

100% oil free, 100% duty cycle

Oil free compressed air for high quality demand



Bearings: High precision grease-lubricated bearings. High temperature-resistant grease ensures long service life and constant operation.



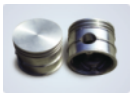
Compression Rings And Guide Rings: High precision machining along with self-lubricated material which resists wear and high temperature.
Stainless, elastic structure enhances sealing effect and durability.



Intake Valve: Corrosion free leaf valve made of stainless steel coated with high temperature – resistant material effectively reduces noise and improves service life. 100% duty cycle is assured.



Connecting Rod: Made of die-casting aluminium alloy is highly rust-resistant with great strength. CNC precise machining process ensures stable compressor operation.



Piston: Casting with compact ingredient, precise machining followed by grinding. Surface coating with self-lubricated material.
Ventilation of crankcase: Crankcase fitted with ventilation system on both sides enormously reduces operating temperature to increase bearing service life.

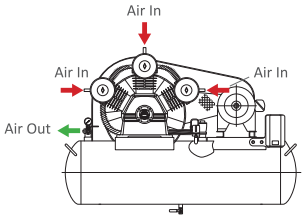
Technical Specifications

			Single Stage							Two Stage					
New Model*			VW-30	VW-50	TW-75	TW-100	TW-150	TW-200	TWH-200	TW-75H	TW-100H	TW-150H	TW-200H	HTW-75	HTW-100
Power		HP	3	5	7.5	10	15	20	20	7.5	10	15	20	7.5	10
		kW	2.2	3.7	5.5	7.5	11	15	15	5.5	7.5	11	15	5.5	7.5
Capacity #		CFM	8	15	23	30	44	58	64	21	26	35	53	18	24
		m^3/min	0.22	0.42	0.65	0.85	1.25	1.65	1.8	0.6	0.75	1	1.5	0.5	0.67
Pressure		bar	8	8	8	8	8	8	7	10	10	10	10	12.5	12.5
Tank		Liter	114	114	240	250	250	410	410	240	240	250	410	240	240
Dimensions	mm	L	1340	1440	1555	1680	1680	1832	1832	1555	1555	1680	1832	1555	1555
		W	520	500	620	600	600	715	715	620	620	600	715	620	620
		H	975	975	1300	1350	1350	1524	1524	1300	1300	1350	1524	1300	1300
Weight		kg	205	222	410	485	530	663	665	410	425	532	665	412	425

As per IS 5456: 1985: Code of practice for testing performance of positive displacement type air compressors VW30 and VW50 are single stage units, and others are two stage.

Options

- Wheel mounted compressor on tank
- Base mounted compressor
- Special application compressor
- Mounted on tank of different size



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