

GTWH Series

100% Oil Free Water Lubricated Screw Air Compressor

(Fixed Speed & Variable Speed Drive with PM Motor)

55KW-320KW

DIRECT DRIVE 1:1 TRANSMISSION



High Pressure
Screw Air
Compressor

Deep Pneumatics with over 3 decades of vast experience, offers a wide range of Air Compressors used in almost every industrial application. We are always committed to fulfilling customer needs and have received a very high satisfaction rating from our customers across India and are supplied to overseas countries.

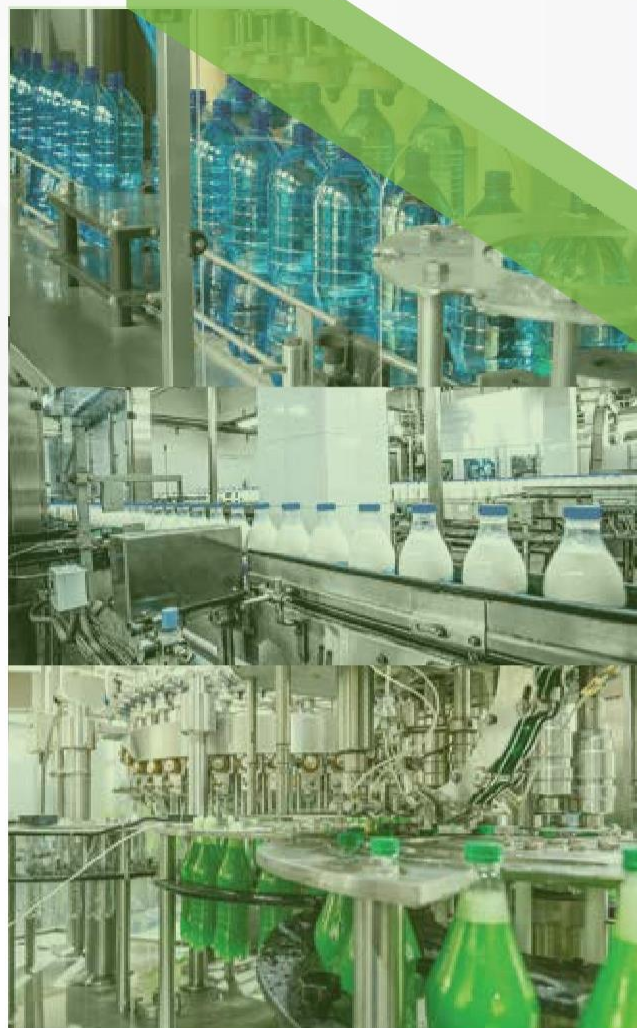
Why 100% Oil Free Air?

Conventional Oil Injected Screw Air Compressors carries residual oil vapours, which is not permitted in critical manufacturing applications of Pharmaceuticals, PET Blowing, Plastics, R&D Laboratories, Food & Beverage.

Customer can't take a risk of contamination of lubricating oil from compressor resulting failure of products, increased downtime & compliance with authorities.

Deep Pneumatics offer 100% Oil Free Water Lubricated Screw Air Compressor to ensure complete peace of mind with no risk of oil carry over along with compressed air.

By using our 100% Water Lubricated Screw Air Compressor, customer achieves highest quality of compressed air in compliance with ISO8573-1 Class 0.



<i>Unique Features</i>	<i>Advantages</i>	<i>Customer Benefits</i>
100% Oil free air with Class 0 certification	No risk of oil carry - over & contamination	100% Peace of Mind
Superior energy efficient screw element	Improved FAD & Performance	Lower Operating Cost
Premium efficiency permanent magnet motor	Higher Electrical Efficiency	Lower Running Cost
Direct drive transmission	Lower Transmission Losses	Lower Running & Maintenance Cost
High Efficiency Water Separator	Reduced Load on Air Dryer	Optimum Capital Cost
Stainless Steel Components	No Rusting & Scale Formation	No Risk of Contamination
Latest Generation Controller with User Friendly Interphase	Ease of Communication & Operation	Ease of Monitoring & Predictive Maintenance Planning
Built In Inverter Drive	Generation as per consumption	Energy Savings
Lower Outlet Air Temperature	Less Heat load for Air Dryer Selection	Constant Dew Point for Air Dryer
Environment Friendly	Zero Oil Content	Compliance with Regulatory Body

Technical Specifications GTWH Series

100% Oil Free High Pressure Screw Air Compressor

Model	Operating Pressure Range	Capacity (FAD)	Motor Rating	Noise Level	Cooling Water Flow	Compressed Air Outlet Connection	Weight	Dimension (L x W x H)
	Bar	CFM	HP	dB (A)	T/H	Inch	Kgs	mm
DP GTWH 75D	20 - 30	222	75	70	18	DN32	1950	2750 x 1250 x 1480
DP GTWH 75D	20 - 40	184	75	70	18	DN32	1950	2750 x 1250 x 1480
DP GTWH 100D	20 - 40	222	100	70	18	DN32	2100	2750 x 1250 x 1480
DP GTWH 100DV	20 - 40	88 - 222	100	70	18	DN32	2250	2750 x 1250 x 1480
DP GTWH 125D	20 - 40	290	125	72	21	DN32	2580	3000 x 1350 x 1540
DP GTWH 150D	20 - 40	360	150	72	24	DN32	2630	3000 x 1350 x 1540
DP GTWH 150DV	20 - 40	117 - 290	150	72	21	DN32	2450	2500 x 2000 x 1550
DP GTWH 180DV	20 - 30	191 - 477	180	75	35	DN32	3000	2500 x 2000 x 1550
DP GTWH 200DV	20 - 40	191 - 477	200	75	35	DN32	3100	2500 x 2000 x 1550
DP GTWH 270DV	20 - 40	251 - 629	270	75	45	DN32	3850	2760 x 2250 x 1670
DP GTWH 330DV	20 - 40	339 - 847	330	75	50	DN40	3950	2760 x 2250 x 1670
DP GTWH 440DV	20 - 40	445 - 1113	440	85	70	DN40	5100	3800 x 2100 x 2100

D – Direct Drive / **V** – Variable Speed Drive

Note:

- Free Air Delivery (FAD) tested as per ISO 1217:2009
- Due to continuous improvement, specifications are subject to change without prior notice
- Product image is only for representation,

There are several industrial applications for High-Pressure Compressed Air and one of the major utilizations is for PET Bottle Blowing segment with operating pressure ranging from 20 Bar ~ 40 Bar.

Why High-Pressure Screw Air Compressor?

<i>Reciprocating Piston Compressor</i>	<i>Screw Air Compressor</i>
It has several moving parts like connecting rod, crankshaft, piston, piston rings, valves causing mechanical wear & tear. This makes it low on reliability for continuous operations & prone to breakdown.	It has only two moving parts in the screw element without direct contact with each other hence no mechanical wear & tear. This makes it high on reliability for continuous operations.
Due to direct contact of Piston Rings with Cylinder there is drop in capacity resulting loss of efficiency.	No drop in capacity & loss of efficiency.
High vibrations demand heavy foundation / heavy duty AVM to isolate the vibrations.	No vibrations, eliminates the requirement of foundation.
Large footprint requires bigger floor area for installation.	Small footprint ensures less floor area for installation.
High noise level needs separate compressor room resulting in additional piping & increased installation cost.	Low noise makes more convenient to place near demand point resulting low on installation cost.
Typically cooling is through water causing increased operating cost due to cost of water, maintenance, cooling tower, water piping etc.	100% Air cooled models, eliminates the total cost associated with cooling water.
Maintenance time very high on account of too many components.	Maintenance time very low in comparison.
Low capital cost & higher total cost of ownership.	Higher capital cost & lower total cost of ownership.

Our Widespread Sales Network:

