



DIAPHRAGM TYPE VACUUM PUMPS



SHREE TECH STD Series diaphragm type Vacuum pumps & Compressor which are manufactured from special grade aluminum for light weight and good strength. Diaphragms are made of 2 - ply nylon/PTFE reinforced neoprene, Viton rubber. Valves are SS 316 while special sealed bearings are used hence no lubrications is required.

Unique Features

- Noiseless performance
- Absolutely Portable
- Totally Oil - free construction
- Practically maintenance free
- Built - in micro suction filter
- Special diaphragms available (TEFLON / VITON etc)
- Extra large bearings for trouble - free and smooth running
- Pump available with chemical resistive parts
- PP / PVC / TEFLON / SS contact parts)
- (Model STD - 45 - CRP)
- Motors available in single as well as three phase construction

Model	Max.Flo (LPM)	Max.Vacuum (Inches Hg)	Max.Pressure (Pslg)	Approx Weight (kg)	Motor HP
STD-15	15	22"	25	2.7	1/20
STD-15-RD	15	22"	25	2.5	1/20
STD-25-S	15	27"	35	4.1	1/16
STD-25-P	25	22"	25	4.2	1/16
STD-45	45	22"	35	6.2	1/8
STD-75-S	45	27"	55	9.0	1/4
STD-75-P	75	22"	40	9.0	1/4
STD-15-DC-1500	15	22"	25	3.5	1/20 (DC)
STD-25-AX	15	27"	-	5.5	1/16
STD-45-CRP	28	22"	10	5.8	1/8
STD-75-CRP	38	22"	10	8.7	1/4
STD-45-FM	35	22"	20	18.0	1/4 (FPM)

Applications:

- Laboratories
- Pollution Control Equipments
- Material Handling Equipments
- Labeling machines
- Desoldering station
- Glass forming
- Medicals
- Chemical analysers
- Gas charging

VACUUM SYSTEMS



ACCESSORIES & SPARES



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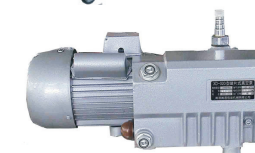
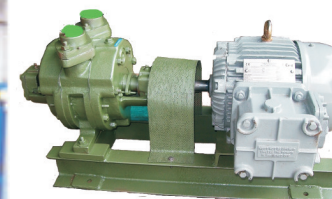
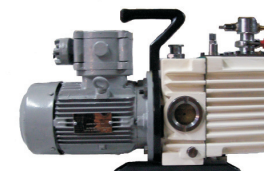


Shree Tech
Engineering Works

Mfrg. & Repairing of:
All Types of Vacuum Pumps & Vacuum Items
BRANCHES: Palanpur, Gujarat • Bangalore • A.P. • Kolkata, W.B



Shree Tech ENGINEERING WORKS





BELT DRIVE OIL SEALED HIGH VACUUM PUMPS



Shree Tech High Vacuum Pumps STBD / STBS Series consist of main casing with a rotor fitted eccentrically in it. The vanes are fitted in the slots of rotor on opposite sides with springs in between. During rotation, the vans move in sand out of the slots and sweeps the air space two times in a revolution.

Shree Tech Pump's Belt Driven Rotary Vane Vacuum Pumps feature micron range ultimate vacuum, reliable operation best proven performers in industrial and laboratory applications where dependable performance, small footprint, and quiet operation are essential. These pumps feature a Single Stage / Two-stage design and come standard with NW type inlet and outlet connections. Compound stage design and adjustable gas ballast enable these pumps to operate at low noise levels.



Unique Features

- Rugged construction, compact design and low Maintenance
- Inbuilt Air ballast
- Small Footprint, and Quiet Operation
- Ultimate Vacuum upto 0.005 Torr
- Reliable Operation & Dependable Performance

Application

- Vacuum Distillation
- Chemical Processing
- Coating
- Degassing
- Gold Casting
- Drying Chambers & AC Systems
- Jewellery Industries
- Heat Treatment
- Vacuum Furnaces
- Leak Detection
- Metals Processing
- PET Processing
- Pharmaceuticals
- Transformer Drying
- Light Bulb Manufacturing
- Silicon Crystal Growing
- All Types of Laboratories
- Evacuating Refrigeration

DRIVE OIL SEALED HIGH VACUUM PUMPS



Shree Tech High Vacuum Pump's Direct Drive STDD Series Rotary Vane Vacuum Pumps feature micron range ultimate vacuum and reliable operation. STDD Series Vacuum Pumps are proven performers in industrial, laboratory and Refrigeration applications where dependable performance, small footprint, and quiet operation are essential. These are cooled pumps feature a two-stage design and come standard with NW type inlet and outlet connections. Compound stage design and adjustable gas ballast enable these pumps to operate at low noise level.

Unique Features

Dynamically balanced moving parts and elastomeric support pads result in extremely smooth and quiet operation.

Quiet Operation:

Low vibration operation allows them to be run on most surfaces which can support their weight.

Low Vibration:

Simplifies installation and maintenance.

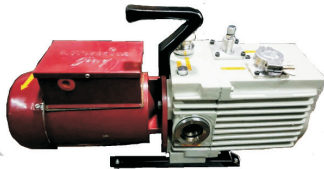
Assures high throughput below 300 microns To 10^{-3} Torr
Handles condensable vapors.
Constructed from chemical resistant cast iron.
Efficient, space-saving design.

Application

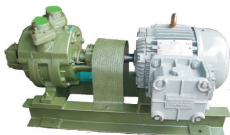
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|------------------------|---------------------------------------|-------------------------|
| Brake Filling Systems | Drying | Investment Casting |
| Vacuum Distillation | Evacuating Refrigeration & AC Systems | All Types of Laboratory |
| Coating | Evacuation of Process Chambers | Leak Detection |
| Degassing | Freeze Drying / Lyophilizer | Bulb Industries |
| Diffusion Pump Holding | Heat Treatment | Pharmaceuticals |

Model No.	Motor HP	Capacity LPM	Oil Charge ltrs
STBD-50	0.5	50	4
STBS-100	0.5	100	4
STBD-100	0.5	100	4
STBS-150	0.5	150	5
STBD-150	0.5	150	5
STBS-200	1.0	200	5
STBD-200	1.0	200	5
STBS-325	1.0	325	7
STBD-325	1.5	325	8
STBS-600	1.5	600	8
STBD-600	2.0	600	8
STBS-750	2.0	750	8
STBD-750	3.0	750	8
STBS-1500	3.0	1500	20
STBD-1500	5.0	1500	25
STBS-2000	3.0	2000	25
STBD-2000	5.0	2000	35
STBS-3000	5.0	3000	25
STBD-3000	7.5	3000	35
STBS-5000	7.5	5000	30
STBD-5000	10.0	5000	40
STBS-7500	10.0	7500	50
STBD-7500	15.0	7500	55
STBS-10000	15.0	10000	55
STBD-10000	20.0	10000	60
Stage Ult. Vacuum with Gas Ballast (Closed)		STBS Single 0.05"	STBD Double 0.005"
Ult. Vacuum with Gas Ballast (Open)		2	0.1
Pump Speed (RPM)		500	500
Motor Speed (RPM)		1440	1440
Single Phase Motor Available upto 200 Lpm *MM Hg			

Model No.	Motor HP/Phase	Capacity LPM
STDD-250	0.5/Single	250
STDD-350	1.0/Single/Three	350
STDD-600	1.5/Three	600
STDD-1000	2.0/Three	1000
STDD-1500	3.0/Three	1500



WATER RING VACUUM PUMPS



Shree Tech Water-ring vacuum pumps are rotary pumps using water as sealing fluid. It basically consists of cylindrical casing with control disc on either sides. Inside this consists an eccentrically located balanced impeller with curved blades. The liquid introduced is set into rotary motion by the impeller forming a water ring concentric with casing. Cells formed between the blades and the ring vary in volume from maximum to minimum with each revolution. The suction medium enters this space through the opening in control disc and are then compressed out through the exhaust pipe alongwith the sealing liquid.

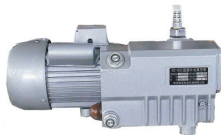
Unique Features

- It is mainly as vacuum pump but can also be used as compressor.
- Simple and trouble free operation.
- Moist Air, aggressive gases, vapors and dust laden gases can be handled.
- No metallic contact inside pump, no wear & tear.
- Construction in Cast Iron, Phosphorous Bronze, Gun Metal SS.304, SS.316 Etc
- No contamination of medium passing through.
- Compact unit due to direct drive/belt drive
- Simple construction and easy maintenance
- Maximum Vacuum up to 710 mm Hg in Single Stage and Mono Block
- Maximum Vacuum up to 720 mm Hg in Double Stage.

Application

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|------------------------|---------------------|---------------|-----------------------|
| Filtration | Brake Testing | Desecration | Water Extraction From |
| Evacuation of chambers | Deodorization | Evaporation | Paper & cloth |
| Vacuum Drying | Moisture Extracting | Distillation. | Condenser Exhausting. |
| Crystallization | Priming | | Solvent Recovery. |

OIL LUBRICATED VACUUM PUMPS



Shree Tech Oil Lubricated Rotary Vane Vacuum Pumps feature ultimate vacuum and reliable operation. STOL Series Vacuum Pumps are proven performers in industrial, laboratory & jewellery industries applications where dependable performance, small footprint, and quiet operation are essential.

Unique Features

- High water vapour tolerance
- High pumping speed at complete vacuum range
- Built in anti suck back system
- Compact & Simple Design
- Air Cooled & Direct Drive
- Quiet Operation
- Oil Mist Eliminator for Oil for exhaust.

Model No.	Motor HP	Capacity M ³ /Hr	Vacuum mbar
STOL-20	0.75	20	0.5
STOL-30	1.00	30	0.5
STOL-40	1.50	40	0.5
STOL-50	2.00	50	0.5
STOL-65	2 / 3	65	0.5

SINGLE STAGE WATER RING VACUUM PUMP

Model No.	Motor HP/Speed	Capacity M ³ /Hr	Water Req. LPM
STWRS-30	3.0/2850	49	7
STWRS-50	5.0/2850	81	9
STWRS-75	7.5/2850	123	14
STWRS-100	7.5/1450	165	16
STWRS-130	10/1450	220	20
STWRS-200	15/1450	330	30
STWRS-250	20/1450	440	40
STWRS-430	30/980	725	60
STWRS-650	40/980	1080	100
STWRS-900	65/725	1500	150
STWRS-1250	90/725	2080	200

DOUBLE STAGE WATER RING VACUUM PUMP

Model No.	Motor HP/Speed	Capacity M ³ /Hr	Water Req. LPM
STWRD-50	5/1450	81	7
STWRD-100	7.5/1450	160	9
STWRD-130	10/1450	220	14
STWRD-220	15/1450	330	20
STWRD-250	20/1450	440	24
STWRD-375	25/1450	625	30
STWRD-450	30/1450	750	40
STWRD-720	40/1450	1200	50
STWRD-900	50/1150	1500	60

MONOBLOCK WATER RING VACUUM PUMP

Model No.	Motor HP/Speed	Capacity M ³ /Hr	Water Req. LPM
STWRM-10	1.0/2850	17	3
STWRM-20	2.0/2850	25	5
STWRM-30	3.0/1450	49	7
STWRM-50	5.0/1450	81	9
STWRM-75	7.5/1450	123	14



Application

- | | | | |
|-----------------|----------------|--------------|-------------------|
| Packing | Thermo Forming | Laboratories | Vacuum Lamination |
| Shoe Moulding | Impregnation | Distillation | Heat Treatment |
| Rubber Moulding | Bottling | Embossing | Jewellery |