

TOSHNIWAL RANGE OF VACUUM PUMPS

DIRECT DRIVE VACUUM PUMPS



New customer requirements have given rise to further development in Toshniwal Direct Driven Vacuum Pumps, the 72 - D series.

Beyond usual quality and reliability of Toshniwal pumps the 72 - D series pump offers improvement in the areas of quieter operation, smaller size and easy maintenance. Pumping capacities available are 120 to 900 lit/min.

BELT DRIVE HIGH VACUUM PUMPS

The GL Series Pump is an oil sealed belt driven pump operating according to the rotary vane principle with gas ballast valve. Oil, which is injected into the pump chamber is used for sealing lubrication and cooling purpose. Double stage models from 120 m³/hr to 300 m³/hr are available to meet wide range of vacuum needs. Ultimate Vacuum achieved 10⁻³ mbar in Double Stage Pumps.



OIL LUBRICATED VACUUM PUMPS



The vacuum pumps of the TMS series are single stage, oil-lubricated rotary vane vacuum pumps with oil re-circulation system. The Lubricant system is rated for continuous operation at high intake pressures so that the pump may be used in a versatile manner in most rough vacuum applications. They are used for suction of air also in presence of water vapour and for continuous industrial use. Ultimate Vacuum 0.5 mbar with capacity of 15 m³/hr to 1000 m³/hr.

Manufacture of “Toshniwal” Vacuum Pumps commenced in the early sixties. Our experience together with on going research and development and modern manufacturing methods, allow us to offer high quality and reliable products.

ROOTS VACUUM PUMPS



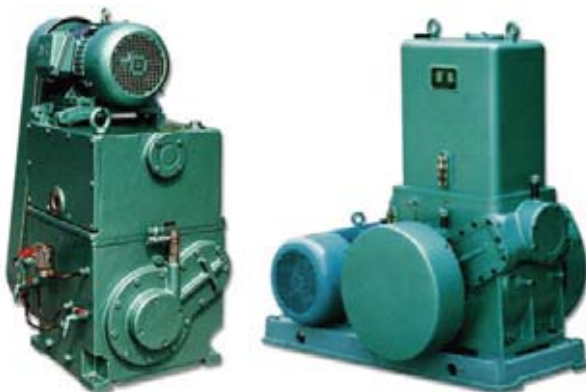
The Roots-Type Pumps belong to the group of positive displacement pumps. Two symmetrical pistons having an eight ligure, housed in the pump body, rotate in opposite directions with no contact neither between each other nor with the pump body, meshing continuously. The pistons are driven by a set of gears with synchronised rotation, which guarantees friction free movement. Capacity available from 200 m³/hr to 15000 m³/hr

CENTRALISED VACUUM SYSTEMS

Centralised Vacuum System is useful as a utility where there is no continuous requirement of Vacuum as well as variation in load during the process. Standard size of reservoir of capacity ranging from 100 ltrs to 2000 ltrs with one/two or three vacuum pump of capacity ranging from 15 m³/hr to 1000 m³/hr can be supplied. The running of the pump is controlled through pressure switch.



ROTARY PISTON PUMPS



Rotary Piston Vacuum Pumps are extremely useful for handling high volume of gases. They are robust and rugged to give uninterrupted services under strenuous working condition. Three models are available with capacity 108 m³/hr to 540 m³/hr.

Over three decades of expertise in vacuum technology, we offer customized solutions ranging from individual products to a complete system.

ROOTS PUMPING SYSTEMS

Roots Pumping System is used where in high pumping capacity is required at lower operating pressure. The capacity available ranges from 250 m³/hr to 10,000 m³/hr we also provide appropriate accessories like condensers, filter etc to reduce the cycle time, protection of the Pumping System.

- Decrease power. Savings in the range 30-40%
- Improve the Quality & Productivity
- Have a Compact design. Yet easy to service, easy to install



CONDENSORS

The Condensor helps in reducing the process time of Drying, Distillation etc by effectively condensing the condensable vapours.

The Condensor has been standardised with 1.5 m², 3 m² and 6 m² cooling surface area. The Material of Construction can be given in Mild Steel / SS 304 / SS 316 for Shell and Copper / Cu. Nickel / SS 304 / SS 316 for the Cooling Coil.



VACUUM OILS

The choice of Vacuum Oil requiring high vacuum with fast pumping of large volumes of gas is usually different. It should also offer longer service life resulting in fewer oil changes, faster pumping and minimal back-streaming. Selection of right type of Vacuum Pump Oil is very important to keep the pump running with minimum down time, frequency of oil change, etc.

We provide mineral based oil, Semi Synthetic Oil & Synthetic Oil. Depending on the type of Pump and the application for which the pump is used, we recommended appropriate oil which will be cost effective.

“Toshniwal has solutions for all your Vacuum needs”

Ready availability of spares backed by efficient after sales service.

SERVICES

This has been our focus. Our objective has never been to sell a product; it needs to be a solution “Customer Oriented”.

We Understand Excellent Performance requires commitment at every level. As the Company battle for supremacy, Our applications Engineers are ready to support in making your manufacturing most competitive. It takes a shared vision to get from concept to reality.

You might have noticed VACUUM technology users often use “TOSHNIWAL” in tandem with “VACUUM”. This is not only an integral part of Our corporate identity, but is an undeniable factor of our almost 40 years of success within the VACUUM Technology.

It's the Trust that goes beyond Generations...

TRAINING PROGRAMME

Vacuum Technology

We undertake imparting knowledge on the subject of Vacuum. The topics covered are from BASICS in Vacuum to application & selection of Pumps for the process.

Types of pumps / equipments to create vacuum, measuring gauges and related Control Equipments.

Vacuum Systems Maintenance

We undertake training on maintenance and Preventive maintenance of the equipment supplied at our works. The topics covered are Principle of Operation of the equipment, Assembling / Disassembling the equipment, Trouble shooting analysis, Routine check, Preventive maintenance schedule etc.

TOSHNIWAL SYSTEMS & INSTRUMENTS PVT. LTD.

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