

# PREMIER PUMPS



## OTHER PRODUCTS

### PV SERIES

**Vacuum Pumps with the largest number of installations in Pulp, Paper, Sugar and Power Industries.**

CAPACITY : 90 CFM TO 15000 CFM (150 M<sup>3</sup>/hr to 25500 M<sup>3</sup>/hr)

MAXIMUM VACUUM : 27.5" Hg (700 mm Hg) at sea level



### P501 SERIES

**Energy efficient single stage Vacuum Pumps capable of handling excess process water, finding wide applications in pulp and paper industry.**

CAPACITY : 2500 CFM to 16500 CFM (4200 M<sup>3</sup>/hr to 28000 M<sup>3</sup>/hr)

MAXIMUM VACUUM : 27.5" Hg (700 mm Hg) at sea level



### WXP SERIES

**Designed for applications where it is essential to extract process water, preventing it from entering Vacuum Pump, improving Vacuum system efficiency.**

Capable of operating against a Vacuum upto 24" Hg (600 mm Hg)  
with a maximum flow rate of 530 gpm (2000 lpm)



### PS SERIES

**Single stage Vacuum Pumps with single inlet and outlet with single cone. These pumps are widely used in food and chemical industries.**

CAPACITY : 120 CFM to 1200 CFM (200 M<sup>3</sup>/hr TO 2000 M<sup>3</sup>/hr)

MAXIMUM VACUUM : 28" Hg (710 mm Hg) at sea level



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# PREMIER SERIES

LIQUID RING VACUUM PUMPS & COMPRESSORS

# PREMIER SERIES

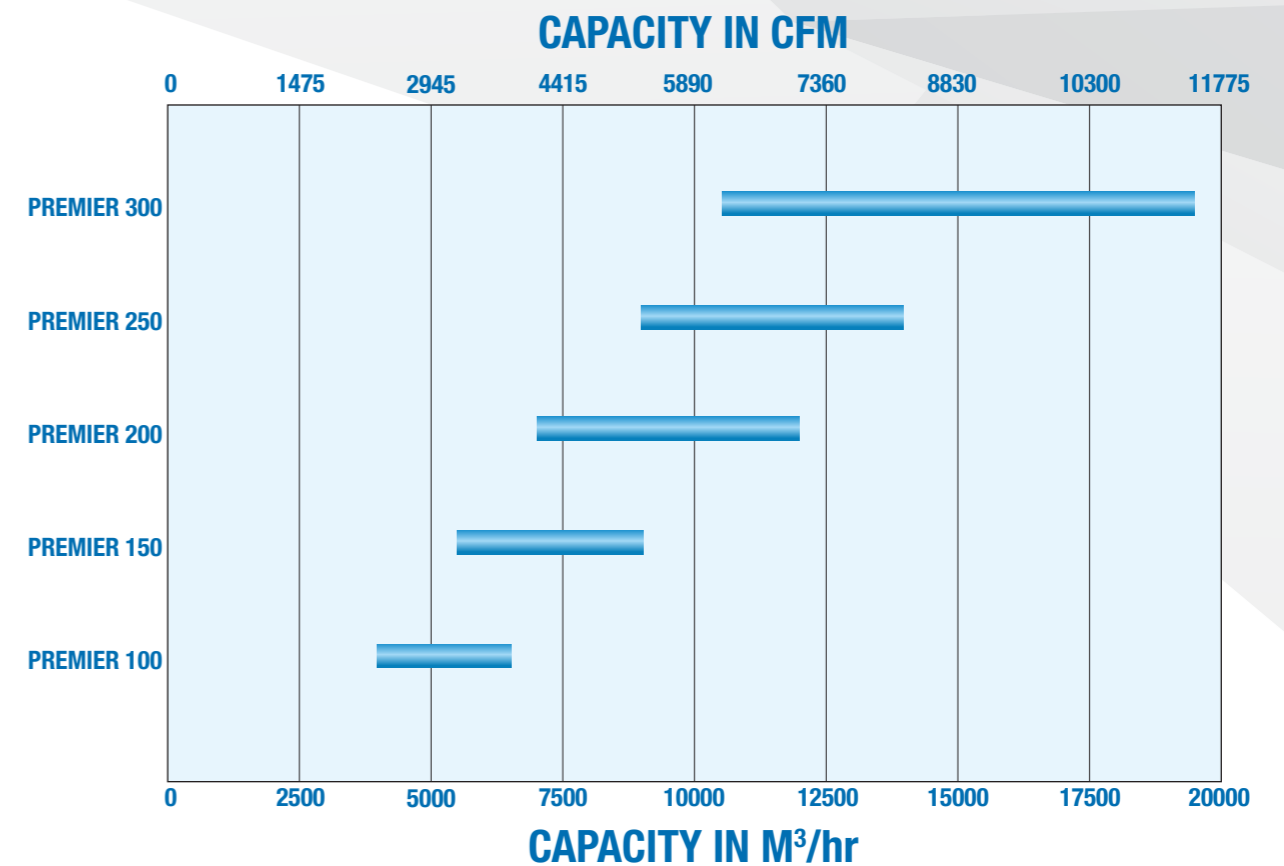
Energy efficient Vacuum Pumps capable of handling large volume flows, finding wide applications in Pulp, Paper and other industries. Unique inlet configuration allows pump to be accommodated in low roof installations.

- **PREMIER** series can handle excess liquid carryover without any difficulty even if it arrives as massive slugs.
- Ease in maintenance because of externally mounted bearing housing.
- Two inlets can be connected to a single service with both pump halves operating in parallel. They can also be connected to separate services that can be operated at two different vacuum levels.
- Enhanced capacity can be achieved when handling saturated gas by using inlet spray nozzles provided near suction flanges of pump.
- All components are 100% interchangeable with \*NASH PREMIER series
- Standard material of construction is Cast Iron, also available in CF8(S.S 304) and CF8M(S.S 316).
- Before dispatch, all Vacuum pumps & Compressors are tested for their performance as per BS: 1571 Part 2:1975 & PNEUROF 6612-1984 standards

## Constructional Features

Body, Heads & Cones are made of close grained heavy duty Cast Iron, Rotor is made of Spheroidal Graphite (S.G) Iron free from cavities and blow holes. Shaft is made of Carbon Steel and carries one and only moving part, Rotor which is dynamically balanced for a vibration free running. Shaft is carried on both ends by bearings which maintain close running clearance between working parts throughout the working life of Pump. Bearings are grease lubricated before shipment and require no further lubrication for approximately six months. Pumps can also be supplied in ceramic coating, total or clad CF8 (S.S 304) and CF8M (S.S 316) grades.

## Performance Data



Above graph is only indicative, refer to individual performance curve for pump selection

## Equivalent Chart

PREMIER	*NASH
PREMIER 100	-
PREMIER 150	-
PREMIER 200	PREMIER 2160
PREMIER 250	PREMIER 2200
PREMIER 300	PREMIER 2280

## APPLICATIONS

- Pulp & Paper Industry
- Poultry Plant
- Power Plants
- Chemical & Pharmaceutical Industry
- Textile Industry
- Food and Beverages
- Sugar Industry
- Fertilizer Plants
- Other Process Industries

\*Gardner Denver NASH is a registered trademark of their respective original manufacturing pump company, none of which have any affiliation with Premier Vacuum Systems LLC.