

# PREMIER VACUUM SYSTEMS



## OTHER PRODUCTS

### 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 TO 2000 M<sup>3</sup>/hr)  
MAXIMUM VACUUM : 28" Hg (710 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 to 28000 M<sup>3</sup>/hr)  
MAXIMUM VACUUM : 27.5" Hg (700 mm Hg) at sea level

### P9000

Primarily designed for paper industry with horizontal inputs and outputs.

CAPACITY: 5500 CFM to 11500 CFM (9300 to 19500 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 and improve Vacuum system efficiency.

Capable of operating against a Vacuum upto 24" Hg (600 mm Hg)  
with a maximum flow rate of 320 gpm (1200 lpm)



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# PV SERIES

LIQUID RING VACUUM PUMPS & COMPRESSORS

# PV SERIES

Classic single stage Vacuum Pumps with a large presence in Pulp, Paper, Food, Sugar and Thermal power industry.

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

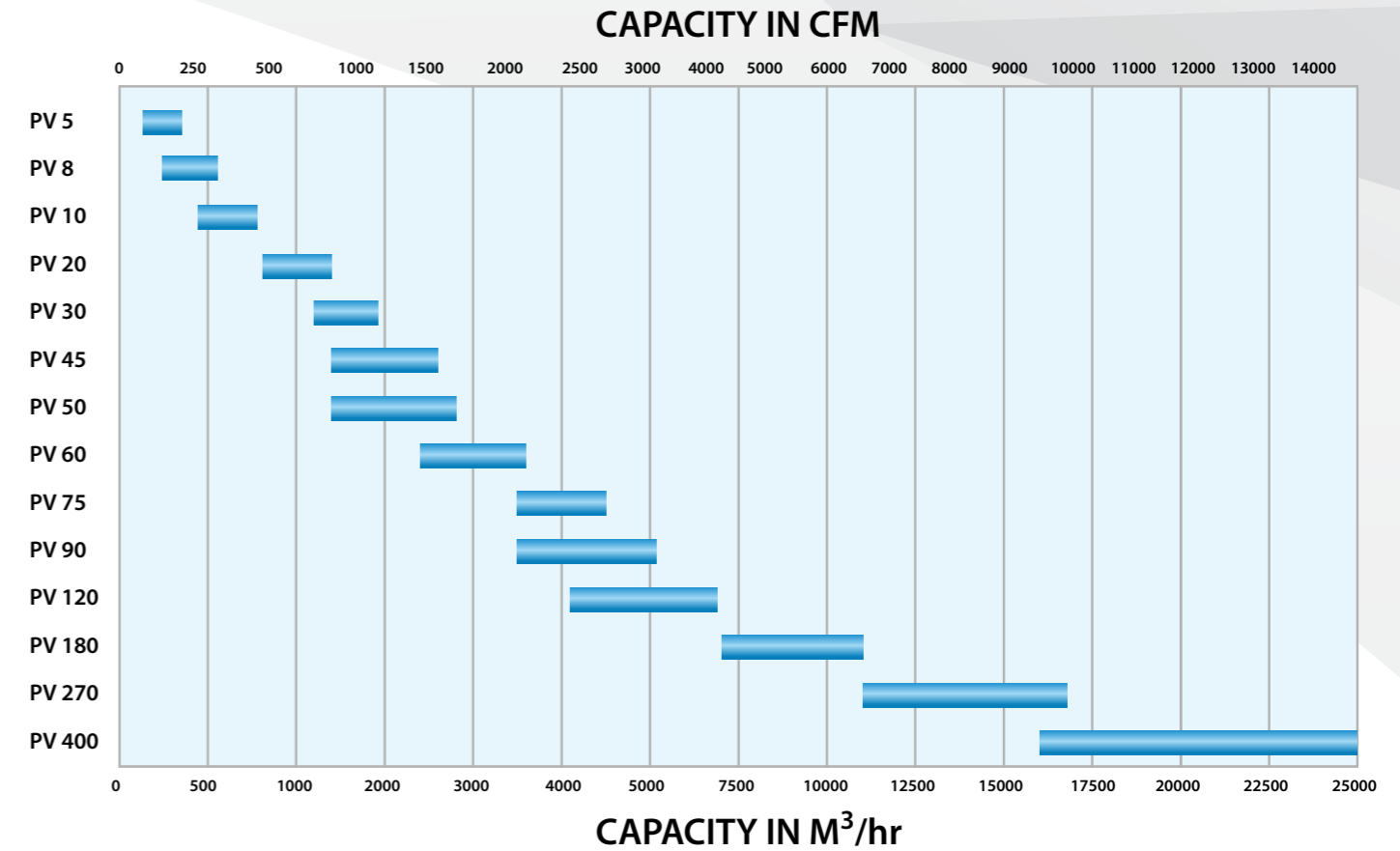
**MAXIMUM VACUUM :** 27.5" Hg (700 mm Hg) at mean sea level (MSL)

- Wide capacity range
- Variable port design allows efficient power consumption at different vacuum levels
- Due to twin inlets and internal isolating design, pump can be operated as two independent Vacuum Pumps of half the capacity at different vacuum levels
- Enhanced capacity can be achieved when handling saturated gas by using inlet spray nozzles provided near inlet throat of pump
- All components are 100% interchangeable with \*NASH CL series
- Standard material of construction is Cast Iron, also available in CF8 (S.S 304) and CF8M (S.S 316)
- All rotors are dynamically balanced as per ISO 1940, G6.3 standard
- Before shipment, all Vacuum Pumps & Compressors are tested for their performance as per BS:1571 Part 2:1975 & PNEUROP 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 total or cladded 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	*NASH
PV 5	CL 200	PV 60	CL 2000
PV 8	CL 300	PV 75	-
PV 10	CL 400	PV 90	CL 3000
PV 20	CL 700	PV 120	CL 4000
PV 30	CL 1000	PV 180	CL 6000
PV 45	-	PV 270	CL 9000
PV 50	CL 1500	PV 400	CL 14000

## 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.