



PIONEER PUMP

PERFORMANCE THROUGH INNOVATION™



VORTEX FLOW PUMPS



VORTEX

Pioneer Pump have designed and manufactured the most advanced and highest performing pumps on the market today.

Our new vortex impeller pumps add to this global capability by offering a combination of high efficiency pumping and large solids handling capacity up to 130mm.

Designed to handle fibrous solids and rag often seen in the most arduous sewage and wastewater applications without blocking. Pioneer Vortex series are the latest generation of designs offering users the benefits of reduced downtime and low energy consumption, resulting in a low cost of ownership in both fixed and temporary applications.



FEATURES

- Lowest fuel burn performance
- Ease of operation & maintenance
- Silent canopy as standard
- Spark arrestor as standard
- Integrated fork lift pockets
- Auto start stop panel as standard

APPLICATIONS

- Raw & screened sewage
- Wastewater
- Sludge
- Abattoir
- Paper & pulp sludge
- Drilling muds
- Water with rags & fibre

OPTIONS

- Road tow
- Open & site trailers
- Telemetry systems
- Remote fuel connection
- Chalwyn valve

VORTEX PUMP BENEFITS

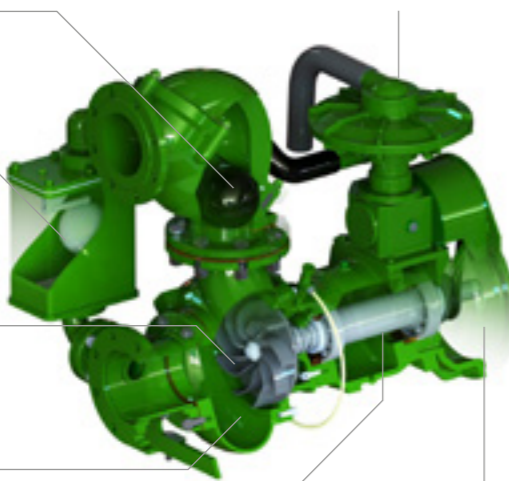
Fully opening non return valve for increased efficiency

50cfm vacuum pump for fast priming to 8.5m

Stainless steel priming equipment for reliable priming action

Tough, durable, ductile iron impeller, for handling suspended grit and sand in sewage

Vortex flow large solids handling impeller which prevents blockaging



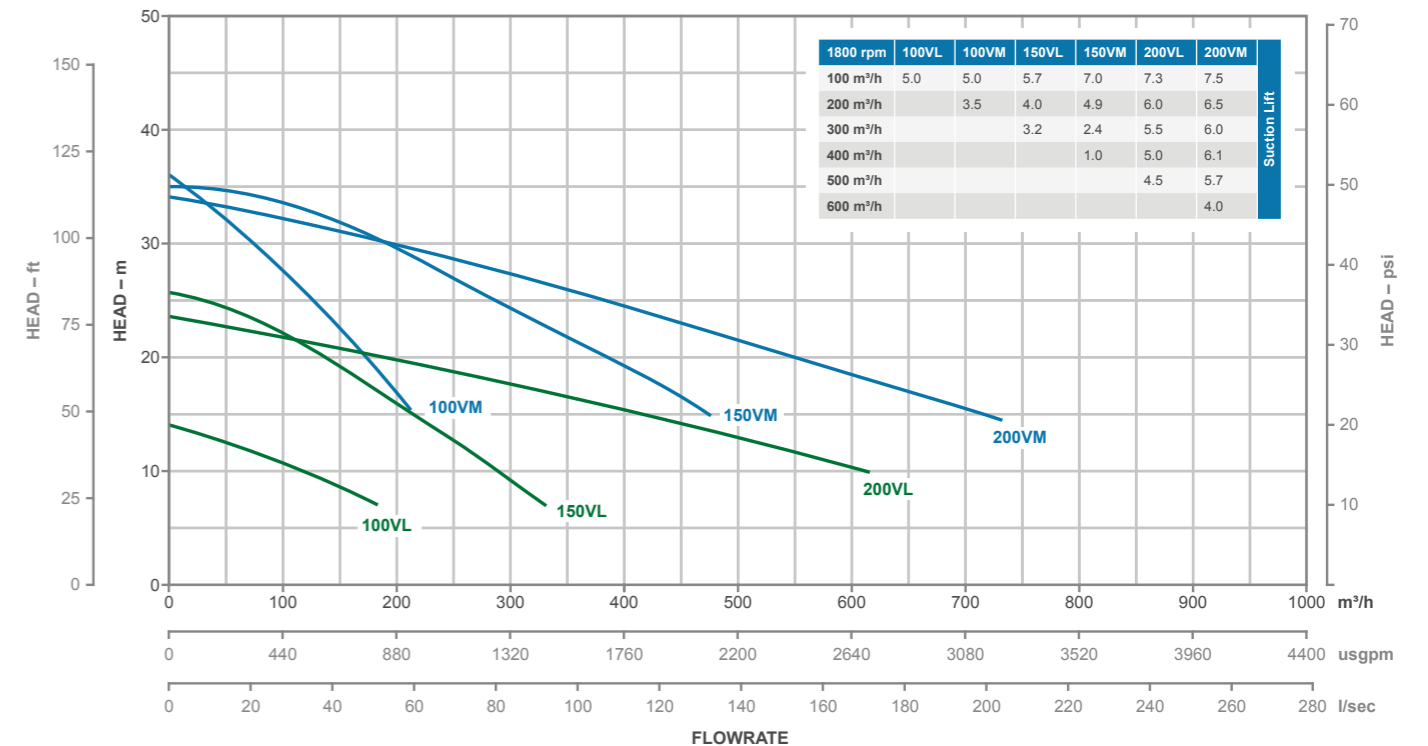
Heavy duty shaft design for long seal life

SAE housing for fast servicing

Our Vortex pump range is capable of flows in excess of 700m³/h and heads higher than 32m whilst still being able to pass solids up to 130mm in size.



Specifications	100VL <small>NEW</small>	100VM	150VL	150VM	200VL	200VM <small>NEW</small>
Pump Size:	100 mm	100 mm	150 mm	150 mm	200 mm	200 mm
Max Flow:	180 m ³ /h	210 m ³ /h	330 m ³ /h	470 m ³ /h	610 m ³ /h	735 m ³ /h
Max Head:	14 metres	37 metres	26 metres	36 metres	24 metres	35 metres
Solids Size:	80 mm	85 mm	130 mm	125 mm	125 mm	110 mm
Engine Type:	Hatz ID91	Perkins 404D-22T	Perkins 404D-22T	JCB 444 TC-63kW	JCB 444 TC-63kW	JCB 44 TCA-120kW
Max Speed:	1500 rpm	1800 rpm	1900 rpm	1900 rpm	1800 rpm	1800 rpm
Rated Power @ BEP:	4.5 kW	12 kW	9.5 kW	18 kW	36 kW	61 kW
Fuel Tank Size:	270 litres	260 litres	260 litres	300 litres	300 litres	695 litres
Fuel Consumption @ BEP:	1 l/h	3 l/h	2.5 l/h	6 l/h	9 l/h	16 l/h
L x W x H:	1950 x 1500 x 1100 mm	2100 x 1200 x 1730 mm	2100 x 1200 x 1730 mm	2600 x 1180 x 1950 mm	2600 x 1180 x 1950 mm	2950 x 1450 x 2110 mm
Dry Weight:	1100 kg	1550 kg	1550 kg	2135 kg	2275 kg	3060 kg





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OPERATING IN A RANGE OF MARKETS WORLDWIDE



MUNICIPAL



INDUSTRIAL



CONSTRUCTION
& RENTAL



QUARRY &
MINING



OIL &
GAS



AGRICULTURE



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