



PIONEER PUMP

PERFORMANCE THROUGH INNOVATION™



COMPANY PROFILE



MEET THE PUMP EXPERTS

Since its formation almost twenty years ago, Pioneer Pump has developed into one of the world's leaders in the design and supply of high performance, rugged pumps used in mineral, industrial, municipal and pump hire industries.

With seven families of pumps and over sixty models to choose from, Pioneer pumps are chosen by its customers for their efficiency, innovative designs and robust construction.

Operating globally from four facilities in America, Australia, Europe and South Africa, the company designs and builds engine driven and electric motor powered pumpsets up to 760mm in size and capable of flows up to 10,000m³/h and pressures over 20 bar in both flooded and suction lift conditions.

Using advanced designs and modern manufacturing techniques, all Pioneer pumps are built to reduce your costs of pumping through minimizing downtime and energy consumption, something that is critical to all our customers nowadays.

Call us today and discuss your needs. Whether you want to buy, distribute or simply maintain an existing Pioneer pump, we are sure that we can help you make the right decision.

Team Pioneer

OPERATING WORLDWIDE

We don't just sell, rent and service pumps, we **design** and **manufacture** the highest performing pumps on the market.

OUR MARKETS

With a growing network of distributors and partners around the world and operating in a wide range of markets, Pioneer has earned a reputation for building rugged and fuel efficient pumpsets for the most challenging conditions and demanding applications.



MINING & QUARRY

No other company has such a broad range of engine driven portable pumps for dewatering and maintaining your water systems. With pumps up to 1200kW in size, Pioneer has a solution.



MUNICIPAL & WASTEWATER

Pioneer offers a wide range of standard centrifugal and self-priming pumps for flows up to 10,000m³/h or heads over 160m with vortex, solids handling or chopper impellers for those tough applications.



CONSTRUCTION & RENTAL

Pioneer Prime pumps are robust and fuel efficient making them the pump of choice in the rental and construction markets around the world especially in environmentally sensitive applications.



OIL & GAS

We design, manufacture and supply a wide range of ATEX and Rigsafe certified equipment for use in both upstream and downstream applications driven by either engines or electric motors.



AGRICULTURE

The Pioneer standard centrifugal pumps offer tremendous efficiency and reliable year on year operation in all types of water irrigation and slurry applications around the world.



INDUSTRIAL & ENERGY

Pioneer offers the only seismically tested dry prime type pumps to the nuclear industry. Along with their rugged construction and high efficiency, Pioneer pumps are chosen for applications where absolute reliability is essential.

OUR CAPABILITIES

From its humble beginning, Pioneer has grown to become one of the industry leaders with **more than 30,000 pumps** in service around the globe. With four factories in Europe, Africa, Australia and the United States, the company has the global footprint to support your business regardless of your location. From the frozen mines of Siberia to the deserts of the Middle East, we can provide you with the products, service and expertise you require.



DESIGN & MANUFACTURE

Through our skilled in-house engineering team and experience in the industry, Pioneer Pump designs and manufactures high performing pumps, pumpsets and solutions to specifically meet your requirements.



SALES & RENTAL

Although primarily focused on designing and selling pumps, the company is one of the few in the world able to rent or hire turnkey and equipment solutions to our customers in the region.



24/7 CALLOUT

Pioneer offers a 24/7 support service from its UK operations for customers in the UK, Europe and Middle East. With over 400 pumps in the fleet, Pioneer operates around the clock, around the world.



AROUND THE WORLD

Thanks to its worldwide facilities and global partner network, you are never too far from a Pioneer Pump location to provide your business with the support and service you require.



CERTIFICATION & MEMBERSHIP

Pioneer Pump is an ISO9001 Quality Assured organisation operating the most modern manufacturing and rental businesses. All our equipment is CE and ATEX certified where required.

PERFORMANCE THROUGH INNOVATION

TECHNOLOGY

Pioneer Pump was founded to provide advanced technological solutions to challenging pumping applications. Through modular design and advanced hydraulics, the company offers the largest range of dry prime portable pumps in the world as well as end suction, wet prime and hydraulic pumps.



ENGINEERED SOLUTIONS

The company offers customers complete engineered solutions for specific applications. These can range from complete quarry dewatering packages to fully engineered, tested and approved nuclear industry pumpsets capable of operating after severe seismic events.



FEATURES & BENEFITS OF OUR PUMPS

HIGH EFFICIENCY PUMP ENDS

High performance, unrivalled and efficient hydraulic design.



LOW RUNNING COSTS

Pioneer pumps use less power per cubic meter pumped than any other dry prime design, resulting in reduced fuel consumption.

LARGE IMPELLER EYE

Excellent suction performance, low NPSHR and good vapour and gas handling.



MAINTAINING PRIME UNTIL THE LAST DROP

Pioneer pumps prime quickly and keep their prime, pumping until the last possible moment, well beyond customer expectations.

PREMIUM MATERIALS OF CONSTRUCTION

Standard build includes Stainless Steel impeller (CA6NM), Ductile Iron (GGG40) bodies and heavy duty bearings, maintaining your performance for years of reliable pumping.



SMOOTHER RUNNING FOR LONGER

Using premium high quality materials of construction provides superior reliability and less maintenance, meaning reduced cost of ownership.

CUSTOM PUMPSET DESIGNS

Latest 3D modelling design softwares, expertise and flexible manufacturing techniques.



FLEXIBILITY TO SERVE YOUR NEEDS

Not every pumpset you require can be supplied from the standard range, but our customers can, and do look to us, for customized pump solutions to fit their applications.

RESULTS THROUGH EXPERIENCE



INSTALLATION & SUPPLY

Pioneer Pump in the UK offers complete turnkey solution to customers including, design, install and operation of our pumps and accessories, across all industries. Whether it is bypassing a sewer, dewatering a quarry or mine or even installing standby fire pumps for marine applications, Pioneer Pump is capable of offering a complete turnkey solution.

AFTERSALES SUPPORT

From four international operations, distributors and its own hire depots, Pioneer offers an unsurpassed level of spares availability and customer support on a 24 hours a day basis. Whether you are mining in West Africa, pumping oil in the Middle East or sewage bypass pumping in Europe, we know that downtime should be avoided and support systems are in place to manage this.

CONFIGURATION OPTIONS

All Pioneer pumpsets are available in a variety of configurations including sound attenuated canopies, crash skids complete with ROCK AND RAIN® system, multiple axle trailers or frame mounted electric sets for use in both external and internal installations.

CANOPY SKID



OPEN SKID



ROAD TOW/CANOPY TRAILER



ELECTRIC SETS



DRY PRIME PIONEER PRIME



KEY FEATURES

- Modular design with integrated priming equipment incorporating 50cfm vacuum pump, stainless steel priming equipment and heavy duty bearing housings ensuring smooth and long term trouble free operation.
- Superior hydraulic performance from in-house designed wet ends ensuring low NPSHr, high efficiency pumping leading to reduced downtime and costs of operation.
- Available as engine driven skids, trailers, silent packs, electric sets, and ATEX/Rigsafe packages as well as nuclear industry approved for use in powerplants.

PIONEER PRIME TECHNOLOGY

Utilizing the patented Pioneer Ultra-Prime technology including its liquid tolerant- environmentally friendly 50cfm vacuum pump, the Pioneer Prime range of pumps offer fast priming and unrivalled suction prime capability ensuring smooth and fast operation at all times.

Whether utilizing a flap or ball valve configuration, the Pioneer Prime utilizes a belt driven vacuum pump directly mounted to the top of our heavy duty bearing housing ensuring ease of installation and maintenance. Operating through a custom designed priming chamber with stainless steel internals, the priming system of Pioneer Prime far outperforms any venturi prime system, which can also be offered in specific applications if required.

A choice of impeller designs including high flow solids handling, high efficiency clear liquids and the latest technology, extreme solids handling vortex impellers, allows users of Pioneer pumps the best possible choice for each and every application.

Heavy duty bearings and shaft design ensure that the Pioneer pumps are extremely robust and fit for purpose in all industries and applications including those with heavy slurry content.



All Pioneer Prime pump ends are now fully ATEX approved for use in Zone 1 and Zone 2 environments.

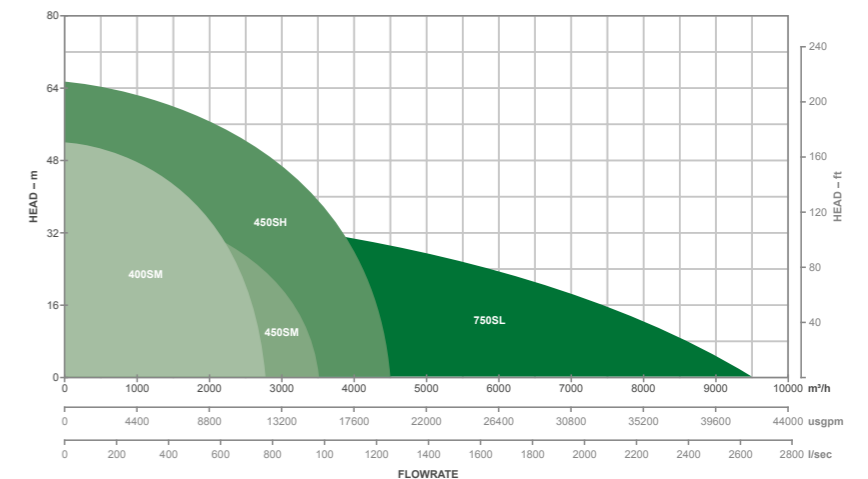
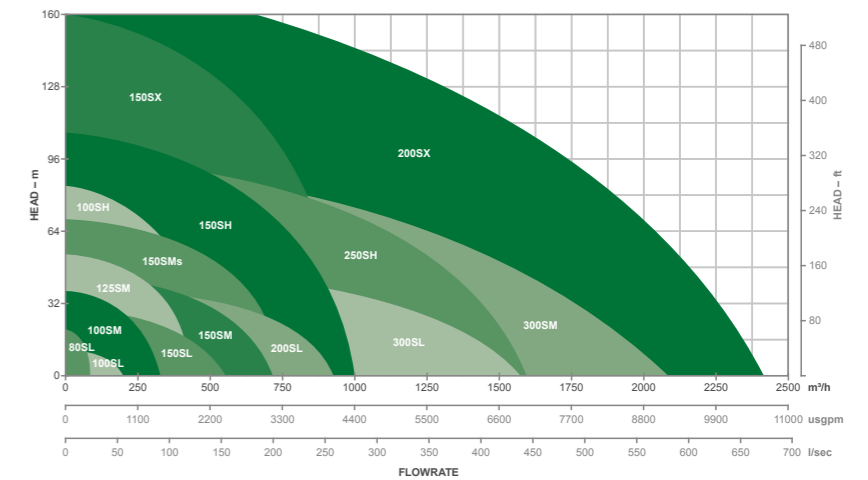
PIONEER PRIME SOLIDS HANDLING

Pioneer designs and builds the most advanced range of solids handling dry-prime pumps with **maximum flows of 10,000m³/h (2750l/s)** and **pressures in excess of 22 bar (700ft)** for use in applications with **solids up to 150mm** in size. These can be manufactured in Ductile Iron, Duplex Stainless Steel or 27% Chrome Iron for slurry applications with high solids content such as dredging.



SOLIDS HANDLING PUMP RANGE

Pump No.	Model No.	Max Flow	Max Head
80SL	PP43075	100 m ³ /h	22 m
100SL	PP44S8	200 m ³ /h	13 m
100SM	PP44S10	320 m ³ /h	40 m
100SH	PP64S17	520 m ³ /h	82 m
125SM	PP64S12	440 m ³ /h	52 m
150SL	PP66S10	525 m ³ /h	30 m
150SM	PP66S12	800 m ³ /h	55 m
150SMs	PP66S14	720 m ³ /h	68 m
150SH	PP86S17	1000 m ³ /h	110 m
150SX	PP86S20	950 m ³ /h	160 m
200SL	PP88S12	1025 m ³ /h	45 m
200SX	PP128S22	2400 m ³ /h	180 m
250SH	PP108S17	1600 m ³ /h	95 m
300SL	PP1212S17	1550 m ³ /h	45 m
300SM	PP1212S17T	2100 m ³ /h	75 m
400SM	PP1414S17	2800 m ³ /h	52 m
450SM	PP1818S22	3500 m ³ /h	40 m
450SH	PP1818S22	4500 m ³ /h	65 m
750SL	PP3030S34	9500 m ³ /h	36 m



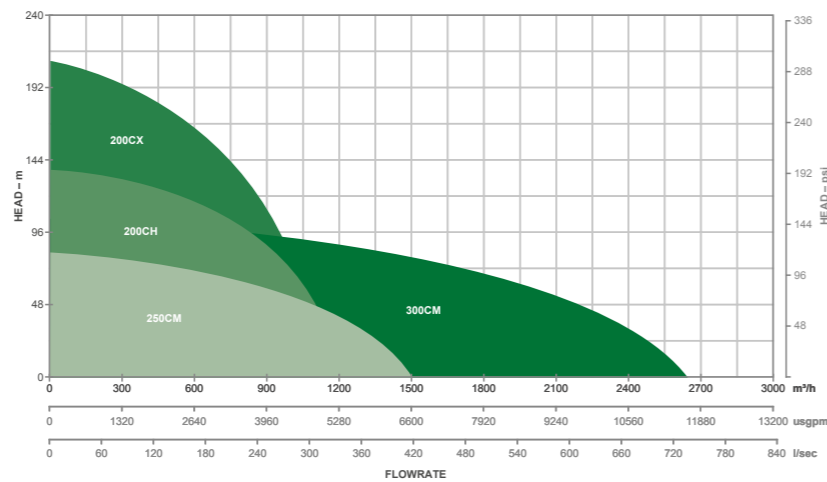
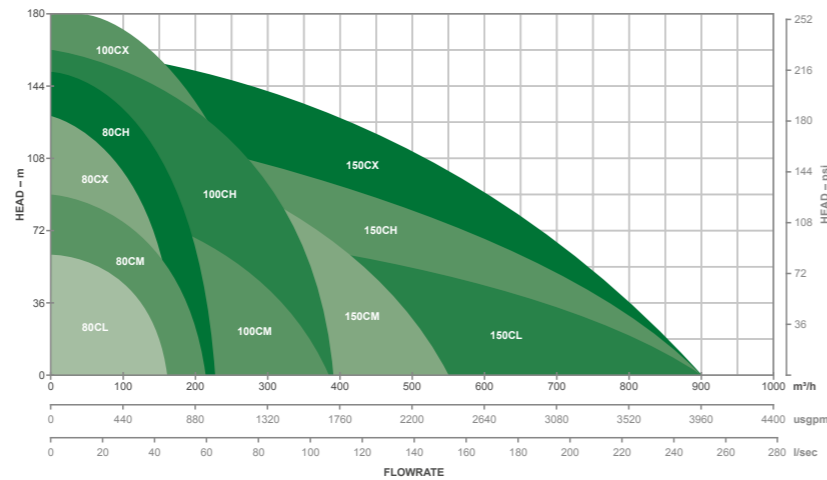
PIONEER PRIME CLEAR LIQUIDS

Designed to operate at **pressures up to 24 bar** and **flows beyond 2000m³/h**, the Pioneer range of high pressure dry-prime pumps are built to operate in the harshest conditions with great reliability and performance. Using the highest grade materials and superior hydraulic performance, the Pioneer Prime pumps are the pump of choice for mines, petrochemical and industrial markets around the world.



CLEAR LIQUID PUMP RANGE

Pump No.	Model No.	Max Flow	Max Head
80CL	PP53C14T	160 m ³ /h	65 m
80CM	PP53C14	210 m ³ /h	90 m
80CH	PP63C17	220 m ³ /h	150 m
80CX	PP43C21	130 m ³ /h	170 m
100CM	PP64C14	380 m ³ /h	90 m
100CH	PP64C17	390 m ³ /h	160 m
100CX	PP64C21	320 m ³ /h	185 m
150CL	PP86C14	900 m ³ /h	75 m
150CM	PP86C17B	550 m ³ /h	125 m
150CH	PP86C17	900 m ³ /h	125 m
150CX	PP86C21	900 m ³ /h	165 m
200CH	PP108C18	1200 m ³ /h	140 m
200CX	PP108C24	1100 m ³ /h	210 m
250CM	PP1010C14	1500 m ³ /h	80 m
300CM	PP1212C17	2650 m ³ /h	100 m



PIONEER PRIME VORTEX

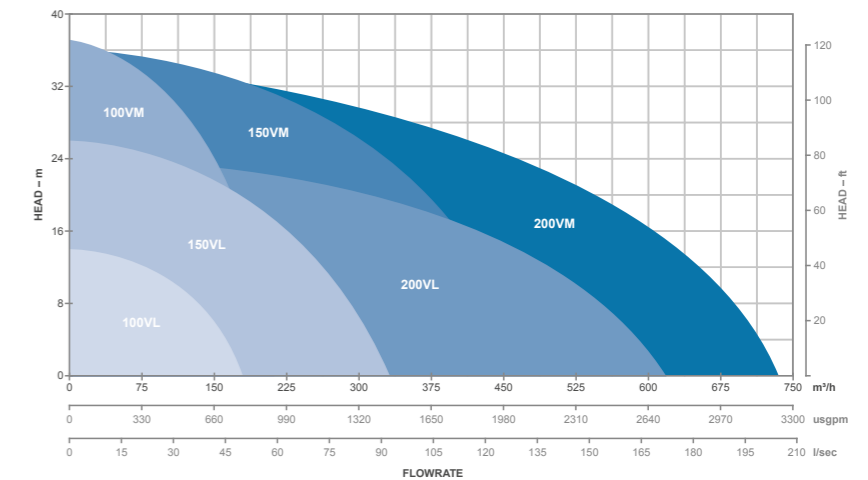
Pioneer Prime vortex pumps are specifically designed for sewage and wastewater applications which contain large amounts of stringy solids and rag. Combining the very latest high efficiency vortex impeller designs with Pioneer priming technology has resulted in the **highest performing vortex portable pumpset in the world.**

A choice of configurations and materials of construction are available, including optional 27% chrome iron, CD4MCu duplex stainless steels, to ensure the best possible solution to your requirements.



VORTEX PUMP RANGE

Pump No.	Model No.	Max Flow	Max Head
100VL	PP44V8	180 m ³ /h	14 m
100VM	PP44V10	210 m ³ /h	37 m
150VL	PP66V10	330 m ³ /h	26 m
150VM	PP66V12	470 m ³ /h	36 m
200VL	PP88V12	610 m ³ /h	24 m
200VM	PP88V12	735 m ³ /h	35 m

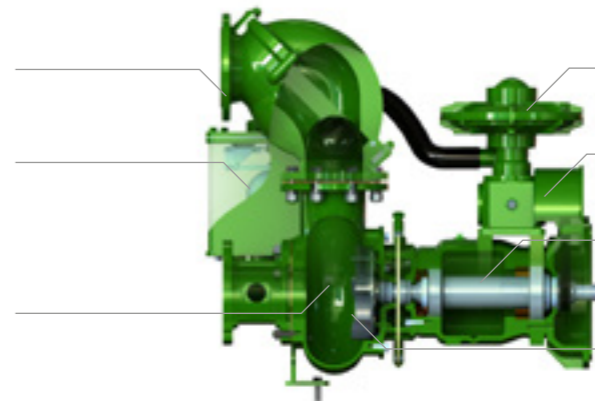


VORTEX PUMP BENEFITS

Fully opening non-return valve for increased efficiency.

Stainless steel priming equipment for reliable priming action.

Tough, durable, Ductile Iron impeller, for handling suspended grit and sand in sewage.



50cfm vacuum pump for fast priming to 8.5m.

SAE housing for fast servicing.

Heavy duty shaft design for long seal life.

Vortex flow large solids handling impeller which prevents blockaging.

WET PRIME GT SERIES



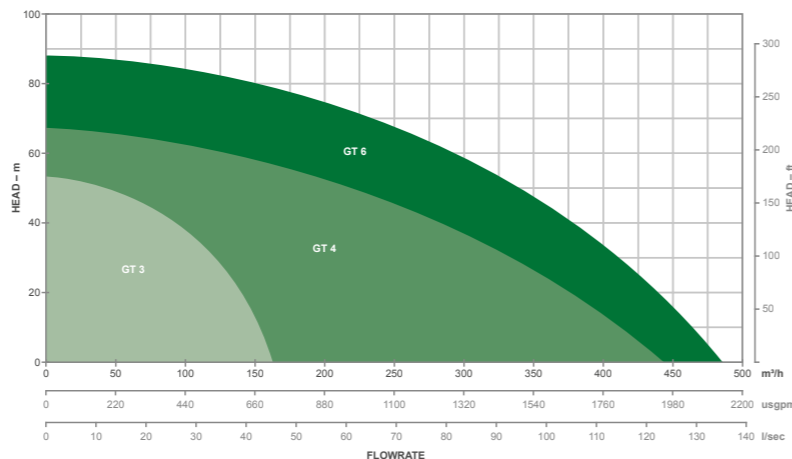
Combining over fifteen years of market research and customer feedbacks, Pioneer has designed the very **best performing solid handling wet self-priming pump** on the market.

Designed completely in-house and featuring some of the most advanced ideas developed over the last twenty years, Pioneer GT series combines the company's high efficiency philosophy with ultra-high performance — all from one range of pumps. No more compromises between solids handling capability and efficiency. Pioneer has brought its reputation of high-performance pumps to the wet self-priming pump market.



GT PUMP RANGE

Pump No.	Max Flow	Max Head	Max Solids
GT3	162 m ³ /h	54 metres	63 mm
GT4	400 m ³ /h	68 metres	76 mm
GT6	485 m ³ /h	85 metres	76 mm

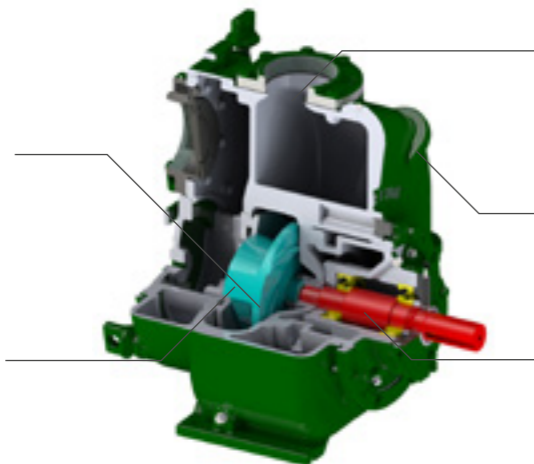


Available in sizes from 80mm (3 inch) to 150mm (6 inch) the range of GT self primers achieves pressures of over 8 bar and flows beyond 450m³/h whilst still able to pass 76mm solids at over 60% efficiency.

GT PUMP BENEFITS

Smooth contoured impeller inlet helps prevent clogging from stringy material and improves hydraulic performance reducing traditional running costs.

High quality materials of construction, including full GGG40 Ductile Iron, extending volute, impeller and seal housing life for reduced lifetime costs of ownership.



Combined Flapper Access and Refill Port reduces amount of abrasive wear and potential leaks, whilst increasing efficiency.

Innovative hydraulic design reduces surfaces that cause abrasive wear. External structural ribbing for additional strength.

Heavy duty rotating assembly with 17-4PH stainless steel shaft offering extended service life on seal and bearings.

HYDRAULIC SUBMERSIBLE



Pioneer Pump has designed a brand new 21st century hydraulic submersible pumpset package incorporating the **very latest design of hydraulic powerpack**, enabling the unit to drive up to six different hydraulic pump ends both in sewage and dewatering applications when the suction lift is greater than 8.5m.

All Pioneer Pump powerpacks come as standard in **environmentally friendly sound attenuated canopies**, enabling the pumps to be used in the quietest urban applications where we operate up to 20dB(A) quieter than other open and semi-silent pumpsets in the market.

With plenty of new safety features managing the engine and the hydraulics, Pioneer HYPP30 and HYPP50 power packs are the safest and most versatile powerpacks on the market today.

KEY FEATURES

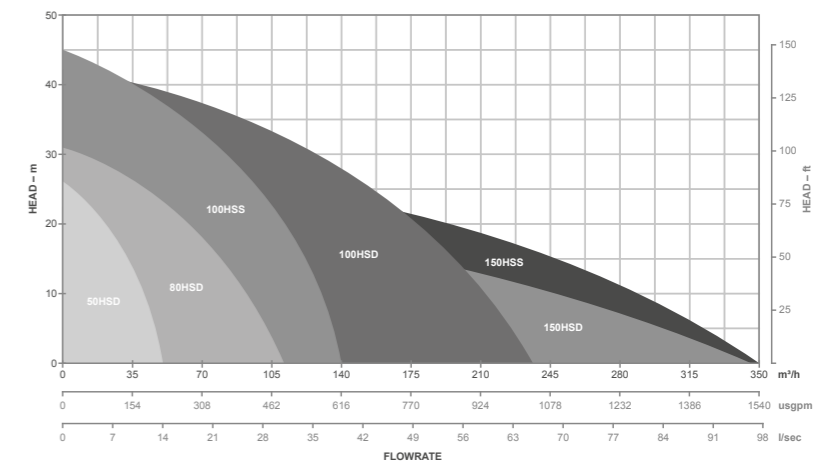
- Dry running hydraulic pumps with solids handling capability up to 90mm.
- Fully bonded, sound attenuated canopies complete with 120% containment and lockable doors allowing for pumps to be used in urban bypass applications at less than 65dB(A) at 7 metres.
- Variety of sizes and impeller designs, extending Pioneers reputation for high efficiency pumping in any application.

HYDRAULIC SUBMERSIBLE PUMP RANGE

Pioneer offers a range of six hydraulic submersible pumps complete with high efficiency channel impellers or large solids handling screw impellers, as well as two powerpacks rated at 30kW and 50kW.



Model No.	Size	Max Flow	Max Head
50HSD	2"	49 m ³ /h	26 m
80HSD	3"	112 m ³ /h	31 m
100HSS	4" screw	140 m ³ /h	45 m
100HSD	4"	234 m ³ /h	42 m
150HSS	6" screw	349 m ³ /h	27.5 m
150HSD	6"	345 m ³ /h	22 m



STANDARD CENTRIFUGAL

At the heart of everything designed and manufactured at Pioneer there is the market leading standard centrifugal pump range offering **unrivalled NPSHr** characteristics and **market leading performance**.

Available in solids handling, vortex and clear liquid configuration the standard centrifugal range of over forty pumps, are able to reach flows in excess of 10,000m³/h and pressures of 24 bar.

Incorporating features such as 17-4PH shafts, CA6NM stainless steel impellers and heavy duty dual angular contact bearings, all Pioneer Pump standard centrifugals come with hydraulic balance lines on clear liquid pumps and back pump out vanes on solids handling pumps to prolong seal, bearing and shaft life.

KEY FEATURES

- CA6NM or Ductile Iron impellers as standard for all pumps regardless of size mounted on 17-4PH stainless steel shafts with heavy duty angular contact bearings.
- Hydraulic balance lines or back pump out vanes to prolong seal life and reliability.
- Ductile Iron bodies with optional CD4MCu or 27% chrome iron materials for slurry or corrosive liquids.

STANDARD CENTRIFUGAL PUMP RANGE

SOLIDS HANDLING

Model No.	Max Flow	Max Head
SC43075	120 m ³ /h	50 metres
SC44S8	300 m ³ /h	35 metres
SC44S10	350 m ³ /h	45 metres
SC64S17	650 m ³ /h	150 metres
SC64S12	460 m ³ /h	80 metres
SC66S10	600 m ³ /h	45 metres
SC66S12	850 m ³ /h	75 metres
SC66S14	700 m ³ /h	82 metres
SC86S17	1200 m ³ /h	130 metres
SC86S20	1000 m ³ /h	190 metres
SC88S12	1025 m ³ /h	54 metres
SC128S22	2600 m ³ /h	220 metres
SC108S17	1700 m ³ /h	140 metres
SC1212S17	2100 m ³ /h	90 metres
SC1414S17	3000 m ³ /h	62 metres
SC1818S22	4500 m ³ /h	65 metres
SC3030S34	10000 m ³ /h	36 metres

CLEAR LIQUIDS

Model No.	Max Flow	Max Head
SC53C14	200 m ³ /h	105 metres
SC63C17	220 m ³ /h	180 metres
SC43C21	130 m ³ /h	240 metres
SC64C14	400 m ³ /h	110 metres
SC64C17	400 m ³ /h	160 metres
SC64C21	340 m ³ /h	205 metres
SC86C14	950 m ³ /h	90 metres
SC86C17B	600 m ³ /h	150 metres
SC86C17	960 m ³ /h	140 metres
SC86C21	950 m ³ /h	200 metres
SC108C18	1250 m ³ /h	142 metres
SC108C24	1100 m ³ /h	260 metres
SC1010C14	1500 m ³ /h	80 metres
SC1212C17	2650 m ³ /h	100 metres

VORTEX

Model No.	Max Flow	Max Head
SC44V8	180 m ³ /h	14 metres
SC44V10	210 m ³ /h	37 metres
SC66V10	330 m ³ /h	26 metres
SC66V12	470 m ³ /h	36 metres
SC88V12	610 m ³ /h	24 metres
SC88V12	735 m ³ /h	35 metres



Whether you need to **buy** or **rent** a solution, Pioneer Pump experts are ready to help you to **stay ahead of the curve**





PIONEER PUMP

PERFORMANCE THROUGH INNOVATION™

OPERATING IN A RANGE OF MARKETS WORLDWIDE



MUNICIPAL



INDUSTRIAL



CONSTRUCTION
& RENTAL



QUARRY &
MINING



OIL &
GAS



AGRICULTURE



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