PIONEER PUMP

INDUSTRIAL

PUMP SOLUTIONS

pioneerpump.com

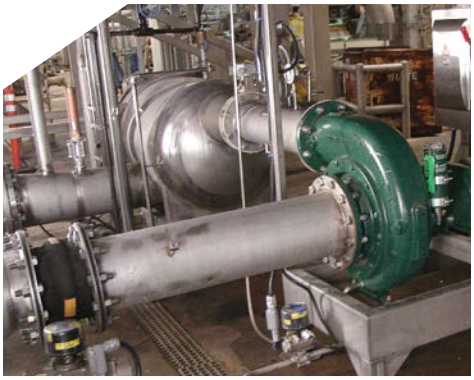
Franklin Electric

INDUSTRIAL PUMPS

FEATURES

- Heavy-duty modular construction designed for the industrial market
- Oversized shafts and bearings for exceptional reliability in demanding conditions
- Cassette seals (where available) for superior bearing and shaft protection
- Standard mechanical seal construction includes tungsten carbide vs. silicon carbide seal faces, FKM elastomers, and stainless steel hardware
- Patented PosiValve™ stainless steel positive sealing priming valve
- Run-dry capability
- Low NPSHr impeller designs for exceptional suction lifts
- Back pull-out design for ease of maintenance and less downtime
- Built standard with ductile iron volutes and CA6NM stainless steel impellers for long-term durability
- 17-4 PH stainless steel shafts for corrosion resistance
- Available in a variety of mounting configurations
- Partnership with Franklin Control Systems providing the capability to mount and test the pump prior to shipment

Experience the benefits of our high-efficiency, self-priming pumps. Benefits include reliability, ease of maintenance, high efficiency, and superior performance.



PUMP SPECIFICATIONS

Pump Series	Head (ft / m)	Flow (gpm / m^3/hr)	Sizes (in / mm)	Features
Standard Centrifugal (SC)	Up to 850+ / 260	20–44000 / 4–1000	1.5–30 / 40–760	High-performance, end-suction centrifugal Solids handling or clear liquids; Run-dry capability; Ideal for wheel washing, washplants, and polymer dosing
Pioneer Prime (PP)	Up to 850+ / 260	20–44000 / 4–1000	1.5–30 / 40–760	Vacuum-assisted, automatic priming, run-dry; Solids handling or clear liquids; Ideal for high-flow, high-pressure dewatering and flood control
Self-Priming (PB, PEB, GS and GT)	Up to 200+ / 60	20–3500 / 4–795	1.5–10 / 40–250	Self-priming; Solids handling or clear liquids; Ideal for liquid transfer and dewatering

INDUSTRIAL PUMPS

ENERGY

Capable of handling wastewater, sump waste, and other liquid transfer, Pioneer's centrifugal pumps are durable enough for a variety of demanding applications including corrosive liquids and elevated temperatures.

FOOD PROCESSING

Impeller design features a large eye area for low NPSHr and increased vapor-handling capability with higher performance. These pumps are ideal for food handling, hot cooking oil, blanching, waste handling, and wash-down.

MINING

Extreme performance generates high flow and high head, perfect for dewatering applications. Pioneer pumps are ruggedly constructed to take the abuse of the corrosive and abrasive applications found in mining.

PAPER MILLS

Manufactured from a variety of metallurgies, Pioneer pumps stand up to the toughest paper mill requirements, including corrosive black and white liquor, mill effluent, and sump applications.

PETROCHEMICAL

When a high-performance pump is needed for chemical transfer, tank reclamation, digester pumping, and more, Pioneer's high-efficiency design excels while saving energy and increasing productivity.

OIL FIELD

Pump models are available to handle drilling mud, water transfer, filtration, and various other oil field demands. Constructed with heavy-duty castings and oversized rotating assemblies, these pumps withstand the toughest of oil field applications.

THE PIONEER PUMP ADVANTAGE

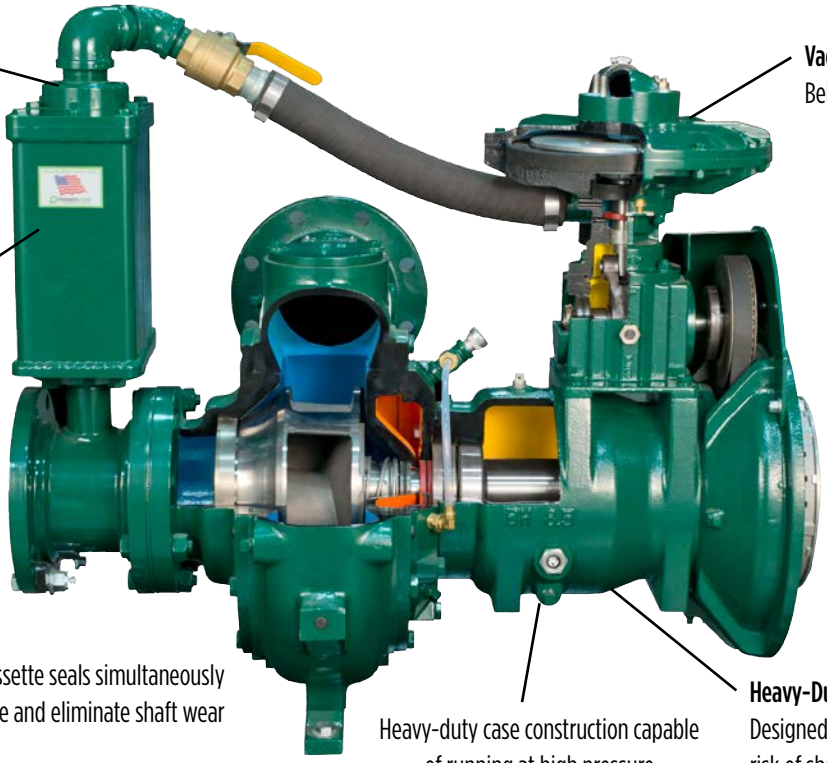
PATENTED PIONEER PRIME

Timing belt driven vacuum pump removes air from the suction line while the patented PosiValve™ prevents liquid entry into the vacuum pump.

- Quick initial priming
- Overcomes minor suction-side leaks
- Continuous, unattended reprime under auto stop/start conditions

HEAVY-DUTY COMPONENTS

All Pioneer standard centrifugal models are designed to stand up under the most demanding environments. Over-sized shafts and bearings, optimal materials, and advanced designs combine to create products that deliver performance in the field.



Stainless steel air separation valve allows for quick priming with no product carryover

Priming Chamber

Hydraulic design maximizes lift capability

Pioneer exclusive hybrid cassette seals simultaneously prevent leakage and eliminate shaft wear

Heavy-duty case construction capable of running at high pressure

Vacuum Pump
Belt driven from pump shaft

Optional Run-Dry System
Oil-lubricated mechanical seal allows the pump to run completely dry without damage; standard on all Pioneer Prime models

Heavy-Duty Modular Bearing Housing
Designed to run at high speeds without risk of shaft or bearing failure

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