

Peerless Pump

Heavy Duty Process Pump ANSI B73.1 Pump

The Peerless Pump 8196 Pump

The Peerless Pump PERFORMER™ Series, Model 8196 ANSI standard pumps are manufactured for a wide range of flow and head requirements and meet the latest ASME and ANSI B73.1M specifications. The Performer Series combines high efficiency, maximum performance, and extended **Mean Time Between Failure (MTBF)** for reduced maintenance cost.

Applications

The 8196 ANSI-standard pump will handle corrosive, toxic and abrasive process liquids such as acids, bases and solvents. This pump can be found in Chemical, Petro-chemical, Pulp & Paper, Plastic, Refining and Pharmaceutical plants. A wide range of alloys, options and sealing systems makes it an ideal choice for almost any application.

Features

The 8196 casing is a **self venting, top centerline discharge** with a fully confined gasket. Class 150 lb. FF flanges are standard, with optional Class 150 lb. RF and both FF and RF Class 300 lb. flanges available. All ductile iron and 316SS casings are supplied with casing drains. In addition an optional Casing Wear Extender™ is available on 3x4-13 and 4x6-13 MTP frame sizes and on all XLTP frame sizes. The Wear Extender can be provided in wear resistant materials, such as CD4MCu.

The impeller is a fully open design that **significantly reduces clogging**. Integral back pump out vanes reduce stuffing box pressure, prolonging mechanical seal life. Impeller and casing are matched to achieve high efficiency and low NPSH. Sealed by an o-ring, the threaded area is **protected against corrosion**. All impellers are available in optional keyed and bolted design. A Low Flow Impeller is available for select sizes of STP frame pumps. This Low Flow Impeller helps **extend MTBF** for those applications operating far to the left of the **Best Efficiency Point (BEP)** of the standard pump.

The power end has a bearing frame made of heavy duty cast iron (ductile iron on STP frame sizes) construction. Designed with enlarged oil reservoir for **better dissipation of heat** and bulls-eye sight glass for easy monitoring of oil level. The bearing frame is coated internally to ensure zero contamination of the oil or bearings from inside. VBXD® labyrinth oil seal by Inpro, **designed especially for Peerless Pump**, provides both static and dynamic sealing using contact technology to **positively seal the bearings** from environmental contamination. All bearing frames also include pre-drilled bosses for vibration and/or temperature monitoring devices. Bearing fits are **precision bored** and all bearings meet or exceed minimum ANSI L10 life or 17,500 hours. The shaft is available with sleeve or in solid shaft construction. All Power Ends are backed by a **3 year warranty**.

Quality Engineering

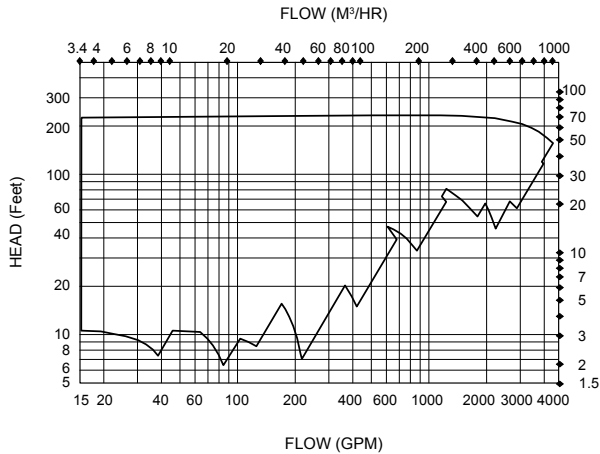
Peerless Pump designs tough, versatile products to meet your pumping needs. The 8196 Series delivers **variety, durability, standardized options and configurations** unequalled in the industry. Please contact your local authorized Peerless Pump sales office to find out more about the 8196 Series, options and prices.

Specifications

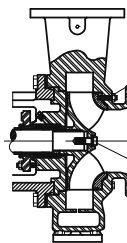
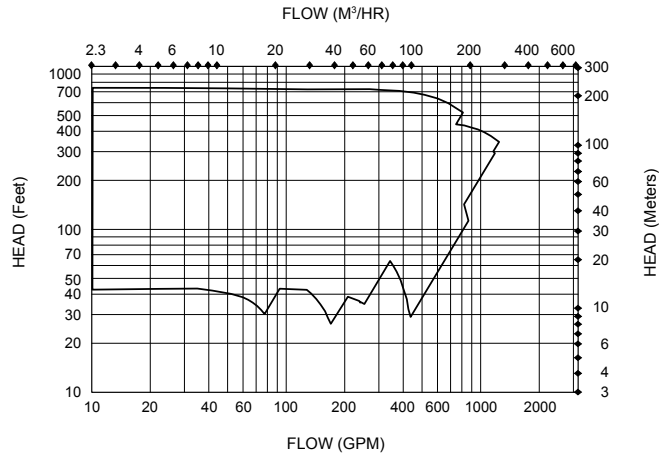
Capacities:	Up to 4500 gpm (1022 m ³ /hr)
Head:	Up to 730 feet (222 meters)
Pressure:	Up to 375 psi (2586 kPa)
Horsepower:	Up to 300 hp (224 kW)
Temperature:	Up to 500 °F (to 260°C)
Drives:	Motors, engines, steam turbine
Liquids:	Chemical, pulp and paper, all process
Materials:	Ductile Iron, 316SS, CD4MCu, 317SS, Nickel, Alloy 20, Hastelloys, Zirconium, Titanium



8196 Series Range Chart - 1750 RPM

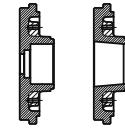


8196 Series Range Chart - 3550 RPM

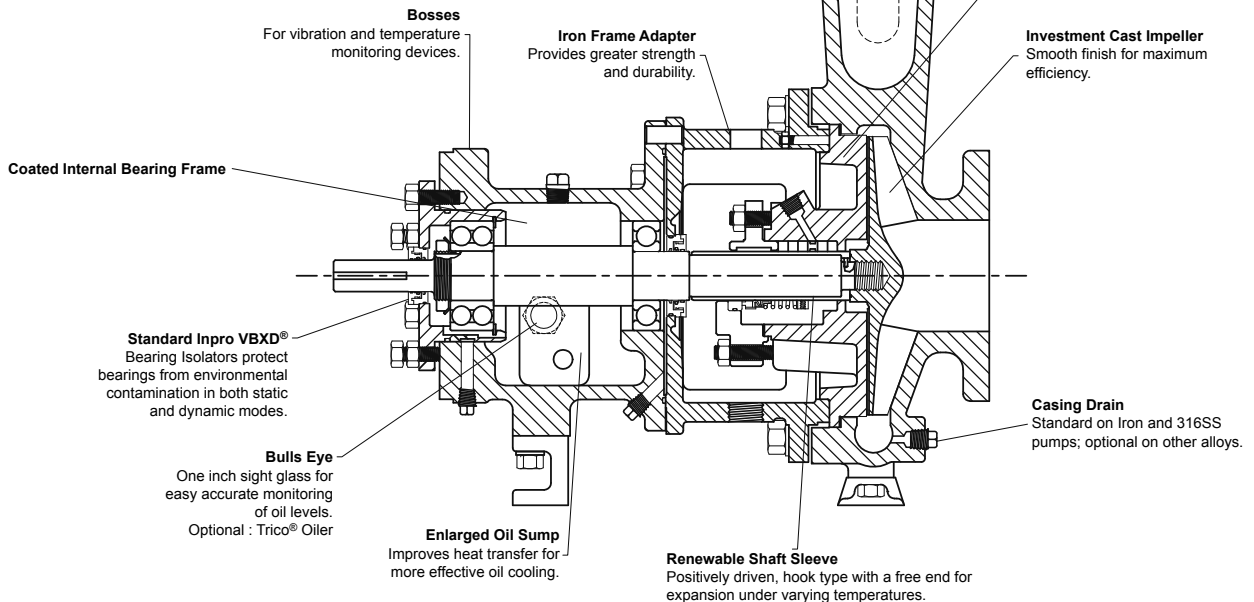


Wear Extender
Optional for XLTP and some MTP sizes for reduced maintenance cost in abrasive applications.

Keyed and Bolted Impeller
Optional on all sizes to prevent accidental loosening of impeller due to rotation.



Optional Seal Chambers
Big Bore and Taper Bore available for extra seal cooling.



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ISO 9001

