

## Peerless Pump

### Self-Priming Pump



#### The Peerless Pump 8796 Pump

The Peerless Pump 8796 Series pumps are manufactured for a wide range of flow and head requirements. Besides being price competitive, the 8796 Series pumps are engineered to lower your operating costs. Save on installation, because these pumps will lift corrosive, toxic, or abrasive liquids from a depth of up to 20 feet without the aid of foot valves, check valves, or auxiliary pumps. Save on inventory costs, because the 8796 back-pullout assembly is completely interchangeable with our 8196 ANSI Series. All 8796 Series Power Ends are backed with Peerless Pump's three-year warranty.

#### Applications

The 8796 Series pumps fit a wide range of applications. They will handle acids, chemicals, or volatile liquids. They can pump liquids with large quantities of entrained air or gas, such as condensate systems or industrial waste treatment. The 8796 pump is the best choice for tank car unloading, mine or tunnel de-watering, or for any application where the pump doesn't have flooded suction, or has to be located away from or above the liquid source.

#### Features

Our special **self-priming casing** design permits the 8796 pumps to maintain a prime, as well as to expel any air in the suctioned liquid via the self-venting top centerline

discharge. The unique **two-piece pull-apart casing** allows for quick replacement of the inner volute. The inner volute itself can be provided in a variety of wear-resistant materials, such as CD4MCu.

Our impellers are a fully open design that **resist clogging**. Shear is reduced, resulting in lower losses when pumping viscous fluids. All impellers also available in an optional key and bolted design.

The bearing frame is coated internally to ensure zero contamination of the oil or bearings from the inside. The VBXD<sup>®</sup> labyrinth oil seal by Inpro, **designed especially for Peerless Pump**, provides both static and dynamic sealing to **protect bearings from environmental contamination**. All bearing fits are precision-bored and all bearings meet or exceed minimum ANSI L10 or 17,500 hours.

The shaft is available in solid shaft construction, or with a sleeve. The threaded area of **the shaft is protected against corrosion** with an O-ring seal on the impeller. Integral back pump out vanes reduce stuffing box pressure, **prolonging mechanical seal or packing life**.

#### Quality Engineering

Peerless Pump designs tough, versatile products to meet your pumping needs. The 8796 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 8796 Series, options and prices.

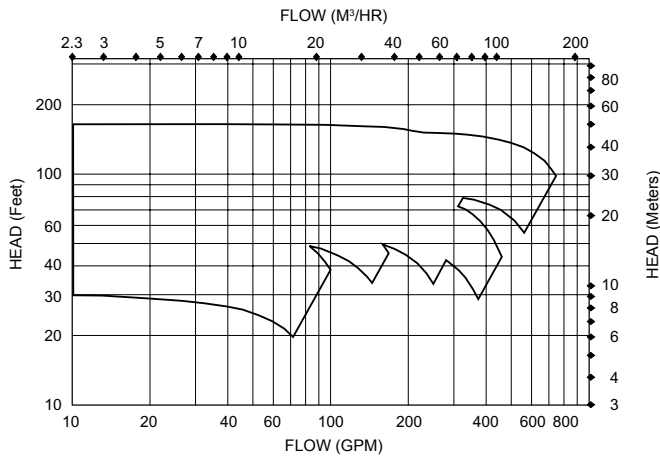
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#### Specifications

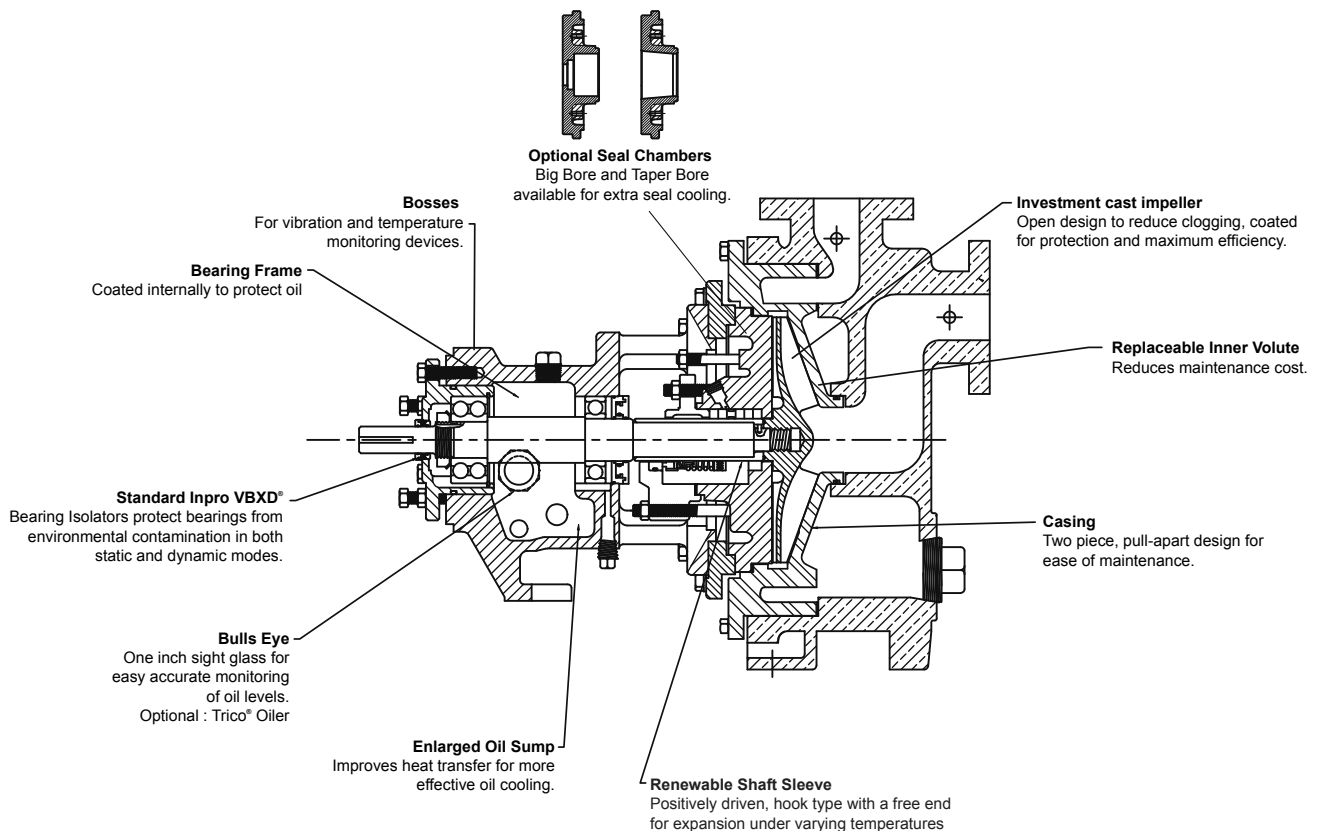
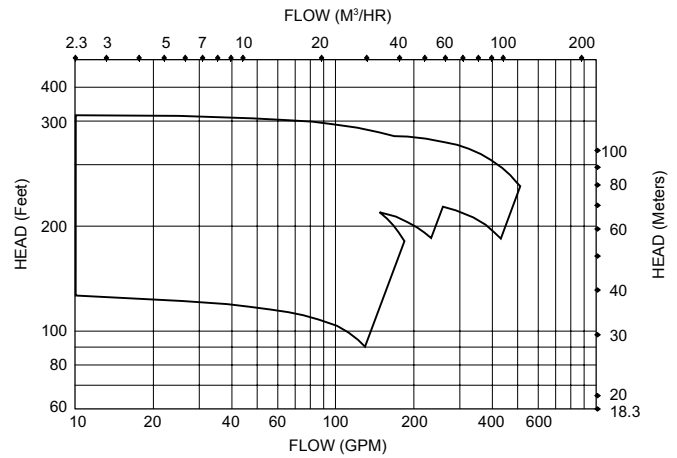
**Capacities:** ..... Up to 700 gpm (159 m<sup>3</sup>/hr)  
**Head:** ..... Up to 400 feet (122 meters)  
**Pressure:** ..... Up to 375 psi (2586 kPa)  
**Horsepower:** ..... Up to 40 hp (30 kW)  
**Temperature:** ..... Up to 500 °F (260 °C)  
**Drives:** ..... Motors, engines, steam turbine  
**Liquids:** ..... Clean liquid sumps, chemical and petroleum transfers  
**Materials:** ..... Ductile Iron, 316SS, CD4MCu, Alloy 20



**8796 Series Range Chart - 1750 RPM**



**8796 Series Range Chart - 3550 RPM**



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