



National Fire Equipment Ltd.



Fire Pumps

Horizontal Split-Case, Vertical Turbine,
In-Line and End Suction Pumps



Features

State of the art engineered systems arrive ready to install. Pump, driver and controller are mounted on a common base. All engineered systems have complete, interconnected wiring. Preconstruction eliminates costly, complex installation problems. In-house fabrication gives Peerless Pump the ability to customize a system and assume complete unit responsibility, which means the customer has only one supplier to contact if there are questions. Peerless Pump has an extensive distribution system providing worldwide technical and commercial support with qualified personnel in most major U.S. and international cities. Both horizontal and vertical models provide capabilities to 5,000 gpm. End suction models deliver capacities to 1,500 gpm. In-line units can produce 1500 gpm. Head ranges from 92 ft to 1,176 ft with as much as 640 psi. Pumps are powered with electric motors or diesel engines. Standard fire pumps are cast iron with bronze fittings. Peerless furnishes fittings and accessories recommended by the NFPA as published in their current edition pamphlet 20.

The Peerless Pump Fire Pump Units, Systems, and Housed Packaged Systems

Thousands of Peerless Pump installations (UL, ULC or FM approved) deliver superior fire protection to facilities worldwide. For over eighty years Peerless Pump has been offering complete service, from engineering assistance to in-house fabrication to field start-up. Products are designed from a broad selection of pumps, drives, controls, baseplates and accessories. Pump choices include horizontal, in-line and end suction centrifugal fire pumps as well as vertical turbines.

Applications

Applications vary from small, basic electric motor units to diesel engine driven, enclosed, packaged systems. Standard units are designed to handle fresh water, but special materials are available for sea water applications.

Quality Engineering

Peerless Pump designs tough, versatile products to meet your pumping needs. The fire pump units, systems, and enclosed packaged systems offer variety, durability, standardized options and configurations unequalled in the industry. Please contact your local authorized Peerless Pump sales office to find out more about our fire pump options and prices.



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Fire Protection

You have decided to reduce the risk of fire damage to your facility by installing a UL, ULC listed and/or FM approved fire pump system. Your next decision is which system to purchase. Manufactured by an industry leader, the Peerless fire pump range is proven in thousands of installations worldwide. These highly engineered fire systems are unrivaled in the industry.

Providing Pumping Solutions to the Global Commercial / Fire Market, Peerless Can Fulfill Your Requirements:

- Recognized leader in the fire pump industry
- Thousands of installations of all sizes and types
- Represented by fully qualified personnel in most major U.S. and international cities
- Complete in-house fabrication capabilities
- Mechanical-run test capabilities
- Horizontal models for capacities to 5,000 gpm
- Vertical models for capacities to 5,000 gpm
- In-line models for capacities to 1500 gpm
- End suction models for capacities to 1,500 gpm
- Drives: electric motor or diesel engine

Housed Fire Pump Packaged Systems

Peerless Pump houses are designed and manufactured to high standards of quality in materials, construction, and workmanship. All enclosed fire pump packaged systems offer the following advantages:

- Accurate Predetermined Cost
- Complete Unit Responsibility
- State of the Art Designs
- Value Added Services
- Worldwide Technical Support
- BSI Certified - ISO 9001:2008 Manufacturing Facilities
- Underwriters Laboratories (UL) Listing
- Factory Mutual (FM)
- NFPA-20, NFPA-70 & NEC
- ABS Certification
- Factory Testing
- Hydrostatic Testing
- String Testing
- Mag Testing
- Single Source Service and Warranty
- Third party ETL listing
- Fast Track Project Management & Delivery

Fire Pump Units & Packaged Systems

Electric Motor Drive and Diesel Engine Drive fire pumps can be furnished for any combination of pumps, drives, controls and accessories for listed and approved and non-listed fire service applications. Packaged units and systems lower fire pump installation costs and offer these advantages:



- Pump, driver, and controller are mounted on a common base.
- Common baseplate unit eliminates the need for separate mounting surfaces.
- Common unit minimizes the need for interconnecting wiring and assembly.
- Equipment arrives in a consolidated shipment, allowing faster and simplified installation and handling.
- Custom designed system, including accessories, fittings, and layouts available to meet the customer's specifications.
- In-house engineering and design expertise to ensure design requirements are realized.



The PES Advantage:

Peerless Engineered Systems (PES) has the capability to design and build a system to meet your customized needs. We will review your requirements and design a system that is right for you. If you are looking for simple solutions to complex problems, PES has the answer. Let us build your Packaged System so you can focus on the rest of your project.

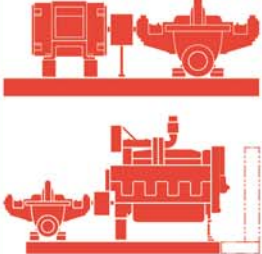
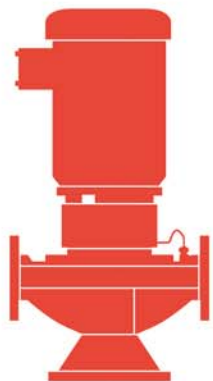
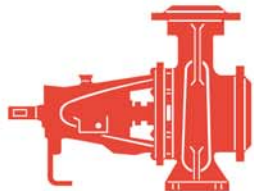



NOTE: For detailed information on selection, performance ratings, and dimensions of Peerless fire pump products and systems refer to your local Peerless Pump representative.



Peerless' Fire Product Line Features and Specifications



				
	<p>Horizontal Fire Pumps, UL Listed, ULC Listed and FM Approved</p>	<p>In-Line Fire Pumps, UL and ULC Listed</p>	<p>End Suction Fire Pumps, UL Listed and FM Approved</p>	<p>Vertical Fire Pumps UL Listed, ULC Listed and FM Approved</p>
Type	Horizontal centrifugal pumps with appropriate fittings for providing water supply to fire protection systems in buildings, plants and yards. Types AF, ADF, AEF, TUF, TUTF.	Compact in-line centrifugal fire pumps with appropriate fittings for providing water supply to fire protection systems in buildings, plants and yards. Type PVF.	End suction centrifugal fire pumps with appropriate fittings for providing water supply to fire protection systems in buildings, plants and yards. Type UNF.	Vertical turbine pumps with appropriate fittings for providing water supply to fire protection systems in buildings, plants and yards.
Capacities	250 to 5,000 gpm (57 to 1,136 m ³ /hr)	50 to 1,500 gpm (11 to 114 m ³ /hr)	Up to 1,500 gpm (114 m ³ /hr)	250 to 5,000 gpm (57 to 1,136 m ³ /hr)
Head	92 to 630 feet (28 to 192 meters)	Up to 406 feet (123 meters)	Up to 340 feet (104 meters)	92 to 1,176 feet (28 to 359 meters)
Pressure	Up to 640 psi (45 kg/cm ² , 4,414 kPa)	Up to 175 psi (12 kg/cm ² , 1,207 kPa)	Up to 147 psi (10 kg/cm ² , 1,014 kPa)	Up to 500 psi (35.15 kg/cm ² , 3,515 kPa)
Horsepower	Up to 800 hp (597 kW)	Up to 125 hp (93 kW)	Up to 75 hp (56 kW)	Up to 600 hp (448 kW)
Drives	Horizontal electric motors, and diesel engines	Vertical close coupled electric motors	Horizontal electric motors and diesel engines	Vertical electric motors and diesel engines with right angle gears
Liquids Pumped	Water.	Water.	Water.	Water.
Temperature	Ambient within the limits for satisfactory equipment operation.	Ambient within the limits for satisfactory equipment operation.	Ambient within the limits for satisfactory equipment operation.	Up to 115°F (46°C)
Materials of Construction	Cast iron, bronze fitted as standard. Optional materials available for sea water applications.	Cast iron, bronze fitted.	Cast iron, bronze fitted.	Cast iron, bronze fitted as standard. Optional materials available for sea water applications.





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Accessories

To meet the rigorous requirements of the NFPA 20 standards, certain accessories are required for all fire pump installations. They will vary, however, to fit the needs of each individual installation and the requirements of the local authority having jurisdiction. Peerless Pump provides a wide range of fire pump fittings which include: concentric discharge increaser, casing relief valve, eccentric suction reducer, increasing discharge tee, overflow cone, hose valve head, hose valves, hose valve caps and chains, suction and discharge gauges, relief valve, automatic air release valve, flow meter, and ball drip valve. No matter what the requirements, Peerless Pump has a complete line of accessories available and can satisfy the requirements of each installation.

The charts below graphically illustrate the many accessories as well as the optional drives that are available with all Peerless fire pumps and packaged systems.

