Inspired Solutions For A Changing World

An oil platform. A chemical plant. A power company. Industrial sites like these aren’t built alike and all have their own challenges when it comes to fire protection. Pentair has the proven experience and expertise to design custom fire pump solutions that meet and exceed the requirements of all types of industrial applications.

Proven Performance That Is “Better By Design”

Since 1919, we’ve been advancing fire protection standards beyond “compliance” to raise the bar – with UL-Listed and FM Approved pumps built to NFPA 20 standards, advanced metallurgies and single-point procurement responsibility to optimize long-term performance and reliability.
**PUMP COMPONENTS AVAILABLE IN ADVANCED METALLURGIES INCLUDE:****

- Casing
- Impeller
- Shaft & Shaft Sleeve
- Bowls
- Packing Glands

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**HORIZONTAL AND VERTICAL SPLIT CASE PUMPS**

<table>
<thead>
<tr>
<th>Performance</th>
<th>Rated Capacity</th>
<th>Rated Pressure</th>
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<tbody>
<tr>
<td>Vertical</td>
<td>250–7000 GPM</td>
<td>40–125 PSI</td>
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<tr>
<td>Horizontal</td>
<td>250–200 GPM</td>
<td>60–220 PSI</td>
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**FOAM AND WATER MIST PUMP**

A positive-displacement rotary-gear pump built specifically to address the demanding requirements of foam concentrate and water mist stationary and mobile fire protection.

**Standard Features:**
- Electric, diesel engine, or water turbine drive
- Handle a wide variety of foam concentrates
- Non-coating motors allow pump to run dry
- Rebuildable casing liners
- Self-priming

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**PACKAGED FIRE PUMP SYSTEMS**

Pentair provide a full line of pump systems, fully integrated and custom-engineered, designed and built to meet and exceed the requirements for each unique job specification. They are built to the stringent standards of NFPA 20, UL, FM, and other regulatory bodies, and are fully tested and certified to the highest quality standards. Packaged fire pump systems provide single source systems, responsibility for maximum reliability and uptime.

**Packaged Fire Pump Systems Include:**

- Pump
- Driver
- Controller
- Jockey pump and other accessory components

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**ADVANCED METALLURGIES**

In salt and brackish water conditions, advanced metallurgies from Pentair after corrosion protection.

- 316 Stainless Steel
- Duplex and Super Duplex Stainless Steel
- Nickel–Aluminum–Bronze

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**A GLOBAL FOOTPRINT**

Pentair plc (www.pentair.com) delivers industry-leading products, services and solutions for its customers’ diverse needs in water, fire protection, fluid systems, chemical and manufacturing operations. Partnering with Pentair, your team will design the optimal fire protection equipment solution to meet your needs.

**Distributors Who Understand Your Unique Needs**

Our distributors are experienced in the special needs of oil and gas, marine, power, chemical and manufacturing operations. Partnering with Pentair, your team will design the optimal fire protection equipment solution to meet your needs.

**Maximum Uptime**

With a fire protection solution from Pentair, you avoid the hassles and time delays of replacement parts not being available when you need them. That translates into maximum serviceability and uptime.
**Advanced Metallurgies**

In salt and brackish water conditions, advanced metallurgies from Pentair offer corrosion protection.
- **316 Stainless Steel**
- **Duplex and Super Duplex Stainless Steel**
- **Nickel-Aluminum-Bronze**

Pump components available in advanced metallurgies include:
- Casing
- Impeller
- Shaft & Shaft Sleeve
- Bowls
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**Maximizing Stellar Performance**

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With 2017 revenues of $7.0 billion, Pentair employs approximately 33,000 people worldwide.

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**VERTICAL TURBINE PUMP**

For below grade water sources, to address seawrack or brackish water applications, offered with internal metallurgies including 316 Stainless Steel, Duplex and Super Duplex Stainless Steel, and Nickel-Aluminum-Bronze. Standard Features:
- Cast iron and/or fabricated steel discharge heads
- Brass suction strainer
- Discharge heads
- Cast iron or fabricated steel
- Carbon steel open line shaft
- Stainless steel bowl shaft
- Cast iron bowl (multi-stage)

Standard Features:
- Nickel-Aluminum-Bronze
- Duplex and Super Duplex Stainless Steel
- Stainless Steel to address seawater and brackish water sources. Available in special alloys of steel, duplex and super duplex stainless, and nickel-aluminum-bronze.

**END SUCTION PUMP**

Features a single impeller, ideal for retrofit applications. Standard Features:
- Stainless steel impeller
- Removable shaft sleeve
- Ductile iron casing
- Steel column pipe
- Cast iron or fabricated steel discharge heads
- Brass suction strainer
- Packed stuffing box
- Electric or diesel driven

**VERTICAL IN-LINE PUMP**

Offers space-saving efficiency, and flexibility for smaller spaces.

**HORIZONTAL AND VERTICAL SPLIT CASE PUMPS**

The industry standard for below grade water sources. Available in special metallurgies including 316 Stainless Steel, Duplex and Super Duplex Stainless Steel to address seawater and harsh environments.

Standard Features:
- Available as single-stage or multi-stage for maximum efficiency
- Bronze impeller
- Cast iron or ductile iron casings
- Casing wear rings
- Removable shaft sleeves
- Grease lubricated long-life bearings
- Placed stuffing box
- Electric or diesel driven

**FOAM AND WATER MIST PUMP**

A positive-displacement rotary-gear pump built specifically to address the demanding requirements of foam concentrate and water mist stationary and mobile fire protection.

Standard Features:
- Electric, diesel engine or water turbine drive
- Handle a wide variety of foam concentrates
- Non-contacting rotors allow pump to run dry
- Reversible casing liners
- Self priming

**PACKAGED FIRE PUMP SYSTEMS**

Pentair’s fire pump systems are fully-integrated and custom-engineered, designed and built to meet and exceed the requirements for each unique job specification. They are built to the stringent standards of NFPA 20, UL, FM, and other regulatory bodies, and are fully tested and certified to the highest quality standards. Packaged fire pump systems provide single source system responsibility for maximum reliability and uptime.

Pentair’s Fire Pump systems include:
- Pump, driver, controller, jockey pump and auxiliaries
- Electric motor or diesel engine driven, and other required components mounted on a common base or package. Whether simplex, duplex, triplex or tripackage configuration, electric motor or diesel engine driven, systems are pre-piped and pre-wired for ease and speed of installation. Every detail is integrated in a fully coordinated system to ensure that the heart of the system performs perfectly, now and in the future.

Pentair’s Packaged Fire Pump systems are available with full protective enclosures suitable for any climate or site conditions. To address applications in harsh environments or with sea or brackish water, pumps and other components are available in advanced metallurgies including 316 Stainless Steel, Duplex and Super Duplex Stainless Steel, and Nickel-Aluminum-Bronze.

Pentair’s Packaged Fire Pump systems perform perfectly, now and in the future. Maximum uptime is a given, eliminating delays of replacement parts not being available when you need them. That translates into maximum serviceability and uptime.

**SYSTEMS designing.” **

Maximum Uptime

With a fire protection solution from Pentair, you avoid the hassles and time delays of replacement parts not being available when you need them. That translates into maximum serviceability and uptime.

**Packaged Fire Pump systems include:**
- Jockey pump
- Auxiliaries

**SYSTEMS designing.” **

**Distributors Who Understand Your Unique Needs**

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**HORIZONTAL AND VERTICAL SPLIT CASE PUMPS**

The industry standard for above grade water sources. Available in special metallurgies including 316 Stainless Steel, Duplex and Super Duplex Stainless Steel to address seawater and harsh environments.

**Standard Features:**
- Can be driven electrically or by diesel engine.
- Casing feet for easy back pullout.
- NEMA-HI T-frame motor.
- Grease lubricated long-life bearings.
- Ductile iron casing.
- Stainless steel impeller.
- Cast iron or ductile iron casings.
- Bronze impeller.
- Renewable shaft sleeves.
- Casing wear rings.
- Cast iron or ductile iron castings.
- Nickel-Aluminum-Bronze.
- Duplex and Super Duplex Stainless Steel.
- 316 Super Stainless Steel.
- Stainless Steel to address seawater and harsh environments.

**Standard Features:**
- Can be driven electrically or by diesel engine.
- Casing feet for easy back pullout.
- Electric or diesel-driven.
- Self-priming.
- Replaceable casing liners.
- Non-contacting rotors allow pump to run dry.
- Bronze construction.
- Robust shaft material and construction.
- Non-corrosive metals allow pump to run dry.
- Replaceable casing liners.
- Self-priming.

**FOAM AND WATER MIST PUMP**

A positive-displacement rotary-gear pump built specifically to address the demanding requirements of foam concentrate and water mist stationary and mobile fire protection.

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Pentair’s Packaged Fire Pump systems include the pump, driver, controller, jockey pump and other required components mounted on a common framework. Whether single, duplex, or triplex configuration, electric motor or diesel engine driven, the systems are pre-piped and pre-wired for speed and ease of installation. Every system is integrated in a fully coordinated system to ensure that the heart of the system performs perfectly, now and in the future.

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