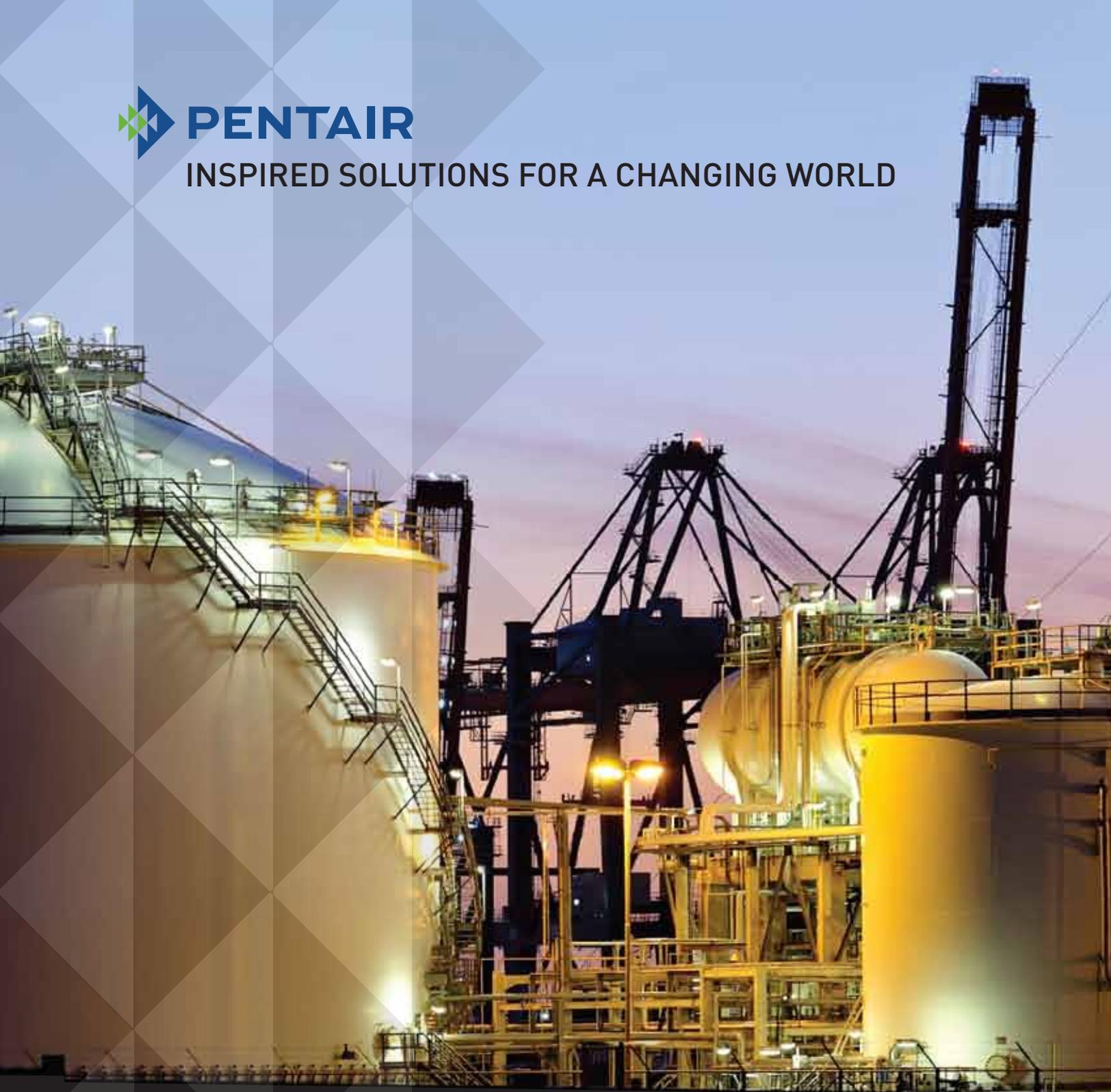




PENTAIR

INSPIRED SOLUTIONS FOR A CHANGING WORLD



OIL & GAS * MARINE * POWER * CHEMICAL * MANUFACTURING

**INDUSTRIAL
FIRE PROTECTION
SOLUTIONS**

Offshore, onshore and between shores, Pentair Industrial Fire Pumps are designed to meet the toughest demands of industrial sites. Whether the water source is above grade or below, look to Pentair for the most advanced and proven solutions available.

VERTICAL TURBINE PUMP

For below grade water sources. To address sea/brackish water applications, offered with special metallurgies including 316 Stainless Steel, Duplex and Super Duplex Stainless Steel, and Nickel-Aluminum-Bronze.

Standard Features:

- Cast iron bowl (multi-stage)
- Stainless steel bowl shaft
- Carbon steel open line shaft
- Steel column pipe
- Cast iron or fabricated steel discharge heads
- Brass suction strainer
- Packed stuffing box
- Electric or diesel driven

Pump Performance

| | |
|----------------------------------|--------------------------------|
| Rated Capacity 250 - 5000 GPM | Rated Pressure 75 - 387 PSI |
|----------------------------------|--------------------------------|



END SUCTION PUMP

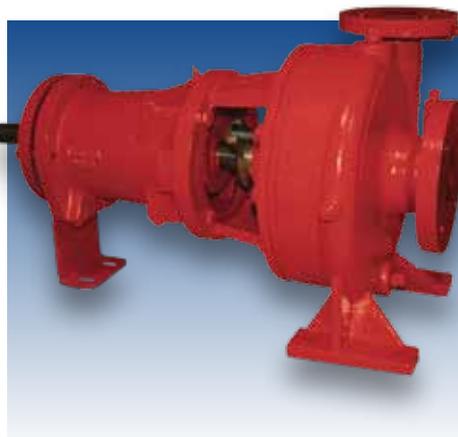
Features a small footprint, ideal for retrofit applications.

Standard Features:

- Stainless steel impeller
- Renewable shaft sleeve
- Ductile iron casing
- Carbon steel shaft
- Packed stuffing box
- Grease lubricated long life bearings
- NEMA-HI T-frame motor
- Casing feet for easy back pullout
- Electric or diesel driven

Pump Performance

| | |
|---------------------------------|--------------------------------|
| Rated Capacity 50 - 1500 GPM | Rated Pressure 40 - 225 PSI |
|---------------------------------|--------------------------------|



VERTICAL IN-LINE PUMP

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

Standard Features:

- Bronze impeller
- One-piece, in-line casing
- Casing wear ring
- Renewable shaft sleeve
- Integral vertical motor
- Packed stuffing box

Pump Performance

| | |
|---------------------------------|---------------------------|
| Rated Capacity 50 - 1500 GPM | Rated Pressure 160 PSI |
|---------------------------------|---------------------------|





PACKAGED FIRE PUMP SYSTEMS

Pentair packaged 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 ship fully tested and certified to the highest quality standards. Packaged fire pump systems provide single source system responsibility for maximum reliability and uptime.

Packaged Fire Pump systems include the pump, driver, controller, jockey pump and jockey pump controller, and other required components mounted on a common base. Whether simplex, duplex, or triplex configuration, electric motor or diesel engine driven, the 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 condition. 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.

System accessories include a full range of jockey pumps, UL/FM valves and other UL/FM accessories.

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:

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

| | | |
|-----------------------------------|----------------|----------------|
| Horizontal Split Case Performance | Rated Capacity | 250 – 7000 GPM |
| | Rated Pressure | 40 – 506 PSI |
| Vertical Split Case Performance | Rated Capacity | 250 – 2500 GPM |
| | Rated Pressure | 40 – 200 PSI |

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
- Bronze construction
- Robust shaft material and construction
- Non-contacting rotors allow pump to run dry
- Replaceable casing liners
- Self-priming

Foam and Mist Pump Rated Performance

| Flow Range | Rated Pressure |
|---------------|----------------|
| 140 – 330 GPM | 0 – 300 PSI |





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.



Advanced Metallurgies

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

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

Pump components available in advanced metallurgies include:

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

A Global Footprint

Pentair plc (www.pentair.com) delivers industry-leading products, services and solutions for its customers' diverse needs in water and other fluids, filtration, thermal management and equipment protection. With 2014 revenues of \$7.0 billion, Pentair employs approximately 30,000 people worldwide.



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.



Pentair Industrial Fire

UNITED STATES

North Aurora Facility
800 Airport Road
North Aurora, IL 60542
630-859-7000

Kansas City Facility
3601 Fairbanks Avenue
Kansas City, Kansas 66106
913-371-5000

THE NETHERLANDS

Parallelweg 4
7102 DE, Winterswijk, The Netherlands
+31 (0)543 547474

For additional information, contact us at
IndustrialFire@Pentair.com



Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.
© 2015 Pentair plc. All Rights Reserved.
(Brochure code number) 04/___/15