



FAIRBANKS NIJHUIS®  
FIRE PROTECTION

# WATER

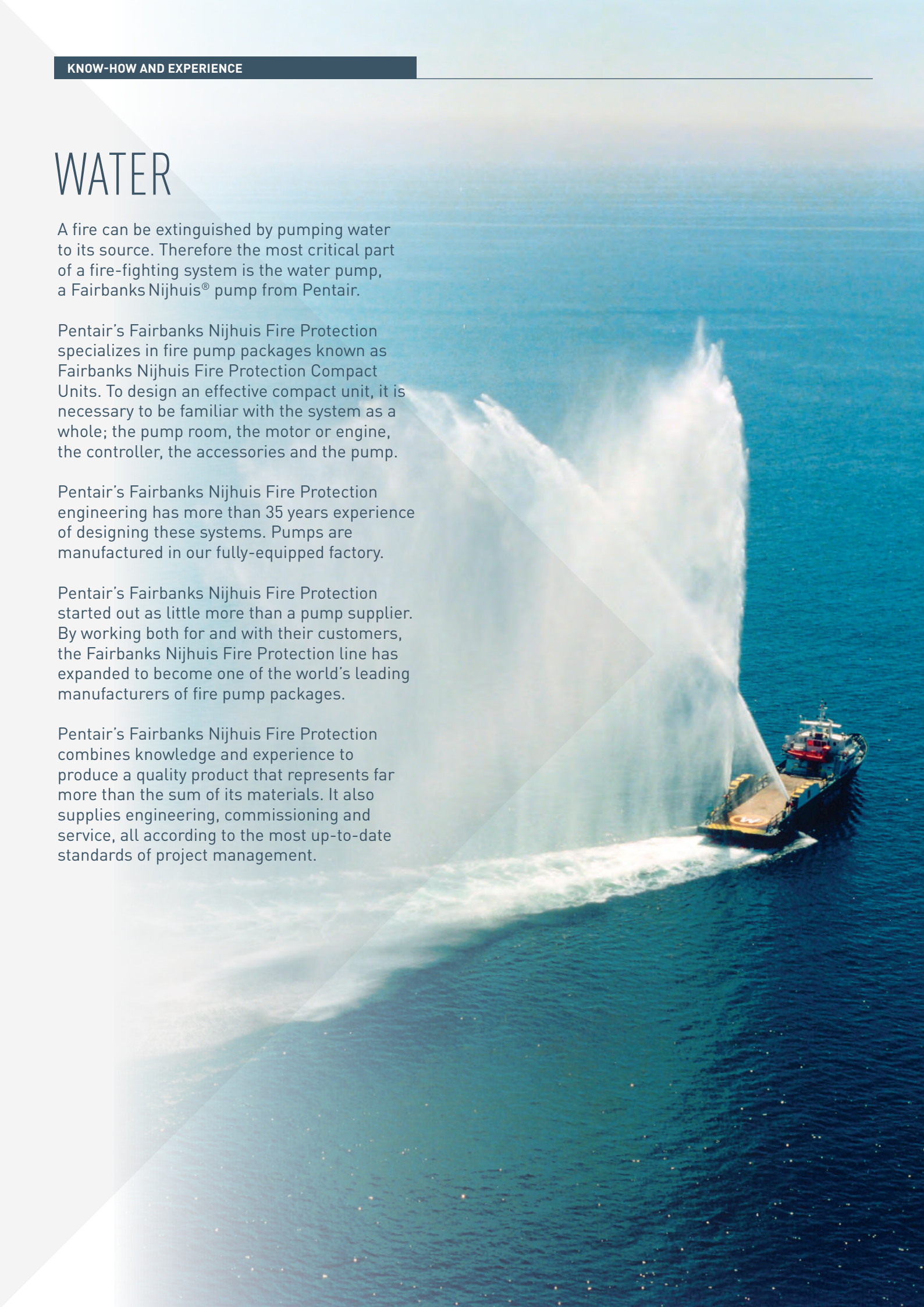
A fire can be extinguished by pumping water to its source. Therefore the most critical part of a fire-fighting system is the water pump, a Fairbanks Nijhuis® pump from Pentair.

Pentair's Fairbanks Nijhuis Fire Protection specializes in fire pump packages known as Fairbanks Nijhuis Fire Protection Compact Units. To design an effective compact unit, it is necessary to be familiar with the system as a whole; the pump room, the motor or engine, the controller, the accessories and the pump.

Pentair's Fairbanks Nijhuis Fire Protection engineering has more than 35 years experience of designing these systems. Pumps are manufactured in our fully-equipped factory.

Pentair's Fairbanks Nijhuis Fire Protection started out as little more than a pump supplier. By working both for and with their customers, the Fairbanks Nijhuis Fire Protection line has expanded to become one of the world's leading manufacturers of fire pump packages.

Pentair's Fairbanks Nijhuis Fire Protection combines knowledge and experience to produce a quality product that represents far more than the sum of its materials. It also supplies engineering, commissioning and service, all according to the most up-to-date standards of project management.



## Pump Room Engineering

Pentair's Fairbanks Nijhuis® Fire Protection offers a complete pump room engineering service based on fire-fighting and customer specifications. Pentair's Fairbanks Nijhuis Fire Protection also supplies materials and supervises installation in the pump room.

## Benefit From Experience

Customers can benefit from over 35 years obtained on-site experience, owing to the in-depth knowledge and understanding of the latest and extremely specific fire-fighting standards. Pentair's Fairbanks Nijhuis Fire Protection is able to guarantee that pump rooms supplied are fully compliant. We will integrate every detail in a fully coordinated system to ensure that the heart of the system performs perfectly, now and in the future.

## Pentair's Fairbanks Nijhuis Services

Pentair's Fairbanks Nijhuis Services, certified to VCA standards, is able to offer a wide range of after-sales services. For example (containerized fire pump sets) product training, installation of complete systems, maintenance, repairs and delivery of original spare parts. The parts are produced in the Fairbanks Nijhuis foundry and machine shop. Pentair has workshops in Winterswijk, Beverwijk, Zevenbergen and Tynaarlo in the Netherlands, and a worldwide network of service representatives.



Pentair's Fairbanks Nijhuis® Fire Protection is recognized throughout the world as a competent and reliable partner by a wide range of customers which include leading sprinkler installers, engineering firms, industrial and petrochemical companies requiring fire pump packages.

## The Scope of Supply

- Bare shaft end pumps
- Complete compact units:
  - driven by electric motors
  - driven by diesel engines
  - driven by hydraulic motors
- Complete range of accessories for the pump room:
  - piping
  - valves
  - gauges
  - flow meters, etc.
- Containerized compact units
- Complete pump room engineering
- Complete pump room installation

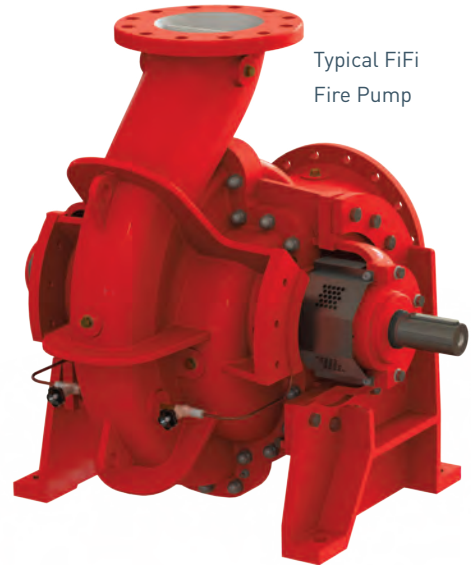
## Applicable Standards

The Pentair's Fairbanks Nijhuis Fire Protection compact unit packages fully comply with NFPA-20, VAS, NVBB/ANPI, CEA and APSAD standards. They are FM, VdS, CNBOP, PAVUS and TSU approved and UL listed.

## Applications

- Pumps on board fire-fighting vessels Class FiFi I/II/III with Lloyd's, ABS, BV, DNV etc. certification
- Onshore pump packages
- Pump packages on offshore oil rigs

Diesel driven pump set



Typical FiFi  
Fire Pump

## Onshore fire pumps

The Fairbanks Nijhuis Fire Protection Compact Unit packages are used in storage areas, aircraft hangars, on industrial sites and in large buildings.

## Offshore fire pumps

Only pumps that meet the highest class of internationally recognized standards are acceptable for use as fire pumps. Pentair's Fairbanks Nijhuis Fire Protection fire pumps are used on oil platforms and the marine industry.

When designing pump packages, the Fairbanks Nijhuis® Fire Protection line always bears in mind that the installation technicians, the operators and the maintenance technicians need advice and service in combination with the supply of equipment.

## Fire Protection Specialist

At Pentair's Fairbanks Nijhuis Fire Protection there is no such thing as a standard package. We follow customer specifications and use modern Computer Aided Design Programmes and the highest quality materials. Our Fairbanks Nijhuis Fire Protection products are subject to the most exacting standards in engineering, assembly and testing, and comply with the latest regulations regarding safety, health and the environment. In other words, Pentair's Fairbanks Nijhuis Fire Protection products are more than just the sum of their material parts.

## Meeting Customer Requirements

To ensure that customer requirements are complied with, the Fairbanks Nijhuis Fire Protection line applies their own Quality Control Programme (certified ISO 9001) and/or that of their customers. Pentair's Fairbanks Nijhuis Fire Protection also string tests every pump package in their modern test rig where systems up to 5 m<sup>3</sup>/sec. can be tested.

## Testimonial

Pentair's Fairbanks Nijhuis Fire Protection reference list includes the world's leading companies in fire-fighting, engineering, industry and offshore. People who set the standards (NFPA-20, UL, FM) benefit from their experience.

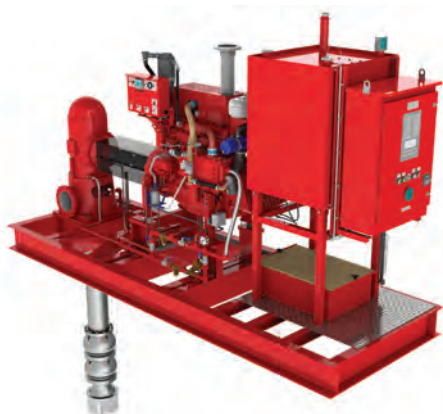
## Design

The most modern CAD Systems are used by the Fairbanks Nijhuis Fire Protection engineers. Rapid response to advances in technology and changes in the markets are therefore assured.

## Testing

Every pump is subjected to a thorough inspection and a series of tests to ensure that it meets the required specifications before leaving the factory.

Typical  
Pump for an  
Offshore Rig





## WORLDWIDE

### Sales and Service Organizations

Pentair's Fairbanks Nijhuis® pump line delivers high-quality products and services based on more than 100 years experience in the design, production and application of centrifugal pumps and pumping systems according to customers' specifications. In our facilities (Winterswijk, The Netherlands and Kansas and Illinois, USA), our dedicated staff continuously sets the standard for product improvement based on the latest developments in the market. Using advanced computer-aided technology, we develop tailor-made pumps with the highest achievable efficiencies. After-sales service is offered, supported by a global network of service centers, staffed by experts in state-of-the-art pump technology. Customers who ordered pumps from Fairbanks Nijhuis decades ago are still regular customers, which indicate they trust and rely on our pumps and related services. The quality assurance program is certified by Lloyd's according to ISO 9001 and guarantees that products and services meet all international standards. The Fairbanks Nijhuis line embraces the values of sustainability, openness, reliability and social responsibility within the company and especially in cooperation with customers, suppliers and the world around us.

## Pentair's

### Global Solutions Areas

#### FILTRATION & PROCESSING SOLUTIONS

Our advanced filtration, separation, treatment and quality control of water and other fluids provides solutions for restaurants and breweries, local municipalities and corporate office buildings.

#### FLOW MANAGEMENT SOLUTIONS

We enable the control, isolation and movements of fluids, gases and other media – solutions that help maintain crucial operations in industries as diverse as refineries, agriculture and municipal infrastructure.

#### EQUIPMENT PROTECTION SOLUTIONS

We create solutions that enclose, protect and cool essential electrical and electronic equipment to help keep vital systems running.

#### THERMAL MANAGEMENT SOLUTIONS

We help our customers manage heat requirements to maintain critical processes and provide greater control over a full array of thermal management demands.



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