



# FAIRBANKS NIJHUIS™ END SUCTION PUMP

## Horizontal and Vertical End Suction Pumps

Pentair's Fairbanks Nijhuis line offers end suction pumps in a huge variety of sizes, materials of construction and designs. Useful in many types of commercial and (heavy) industrial applications, for fresh water, seawater or equivalents.

The pumps are available in both horizontal and vertical configuration.

- Horizontal one-stage or two-stage execution, radial split (type NC)
- Vertical and vertical closed-coupled execution, radial split (type VNC, VND and VCS)

### KEY FEATURES

- Capacity: 20 - 1,600 m<sup>3</sup>/h (88 - 7,044 GPM)
- Head: 9 - 250 mlc (29 - 820 feet)



# Technical Features

## IMPELLER

The impeller design can be fully adapted to the kind of liquid to be pumped. By means of pressure-leveling holes, the impeller is axially relieved. The impeller is fixed on the shaft cone, which is a great advantage with diesel drive. The cone is designed to enable a very easy disengaging of the impeller.

## PUMP CASING

The liquid velocities in the pump have been kept very low, which results in minimum wear. The flanges may be drilled according to DIN or ASA standards. The pressure flange may be fitted in 4 positions with intervals of 90°. The sealing between pump casing, suction cover and casing cover with stuffing box is obtained by "O"-rings.

## PUMP SHAFT

Standard pump design involves a ground stainless steel shaft, protected by a specially treated shaft sleeve, also made of stainless steel. Pump shaft and bearings are enclosed in a ball bearing cartridge, which enables a very quick replacement of the shaft and bearings unit. Moreover, this design enables an accurate axial adjustment of the impeller, which is an advantage with open impellers, equipped with a wearing plate. The front bearing is protected against the penetration of water by a rotating disk shaped water flinger.

## PACKING

The pump of standard design is equipped with an easily accessible stuffing box with split gland. Gland bolts and nuts are made of stainless steel. Many different gland arrangements are possible. Moreover, simple and twin mechanical seals can be built in.

## MATERIALS

Cast-iron, nodular cast-iron, ni-resist, bronze 90-10, 88-10-2, aluminiumbronze, monel metal, stainless steel. As we have our own foundry, we are able to give you instant service.





## 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, 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. Our 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.



THE NETHERLANDS  
NIJHUIS POMPEN BV  
PARALLELWEG 4  
7102 DE WINTERSWIJK  
T +31 (0)543 547474  
INFO.NIJHUIS@PENTAIR.COM

SERVICES DIVISIONS  
WATERLAND 4  
1948 RK BEVERWIJK  
T +31 (0)251 270270

STOELERIJ 14  
4762 AN ZEVENBERGEN  
T +31 (0)168 370 950

HANDELSWEG 23A  
9482 WG TYNAARLO  
T +31 (0)592 541 085

USA  
KANSAS CITY FACILITY  
3601 FAIRBANKS AVENUE  
KANSAS CITY, KANSAS 66106 USA

913-371-5000  
FAX: 913-748-4025

[www.FairbanksNijhuis.com](http://www.FairbanksNijhuis.com)