



Horizontal and Vertical End Suction Pumps

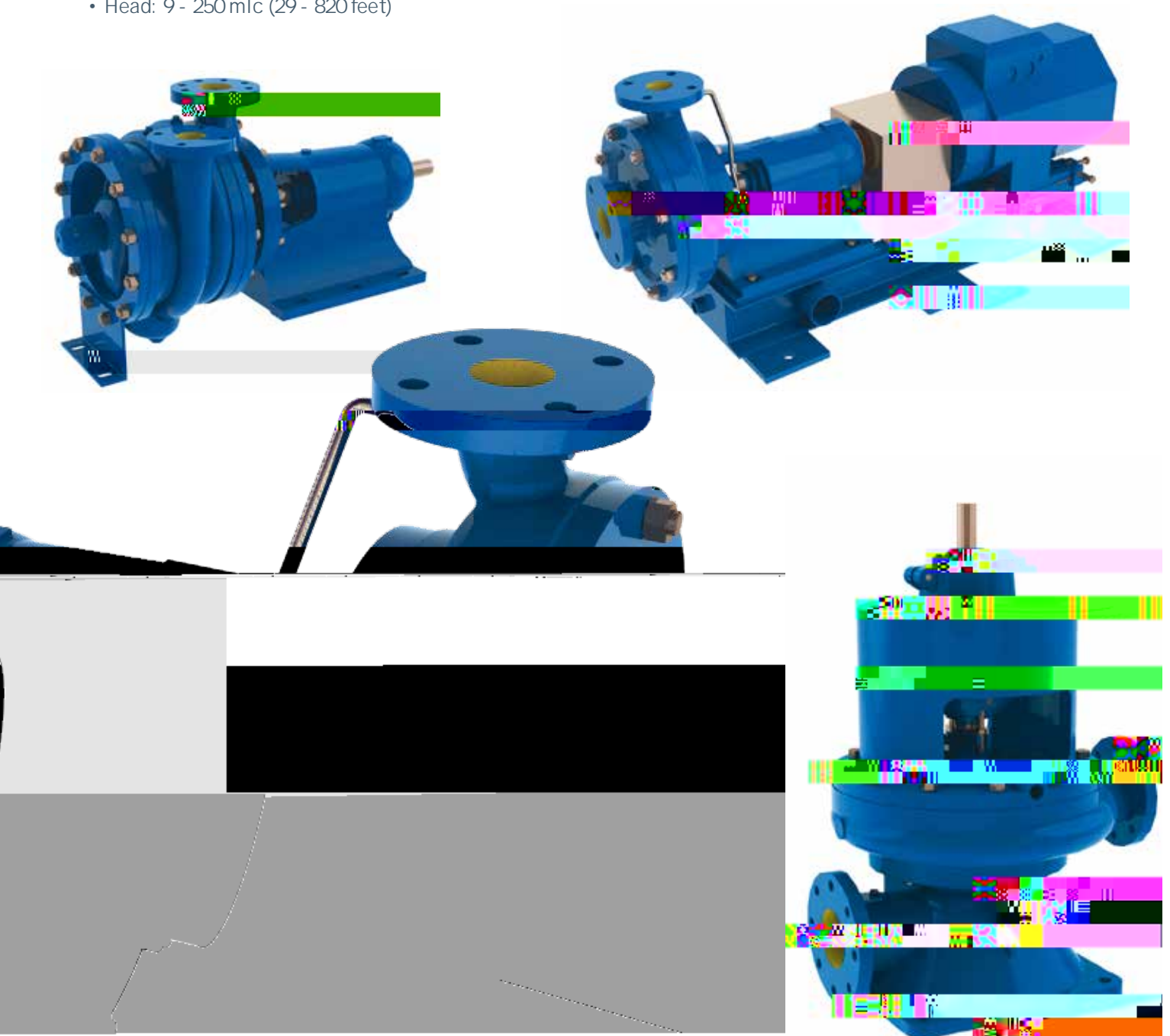
Pentair's Fairbanks Nijhuis line offers end suction pumps in a huge variety of sizes, materials of construction and designs. Useful in many types of commercial and (heavy) industrial applications, for fresh water, seawater or equivalents.

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 m³/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

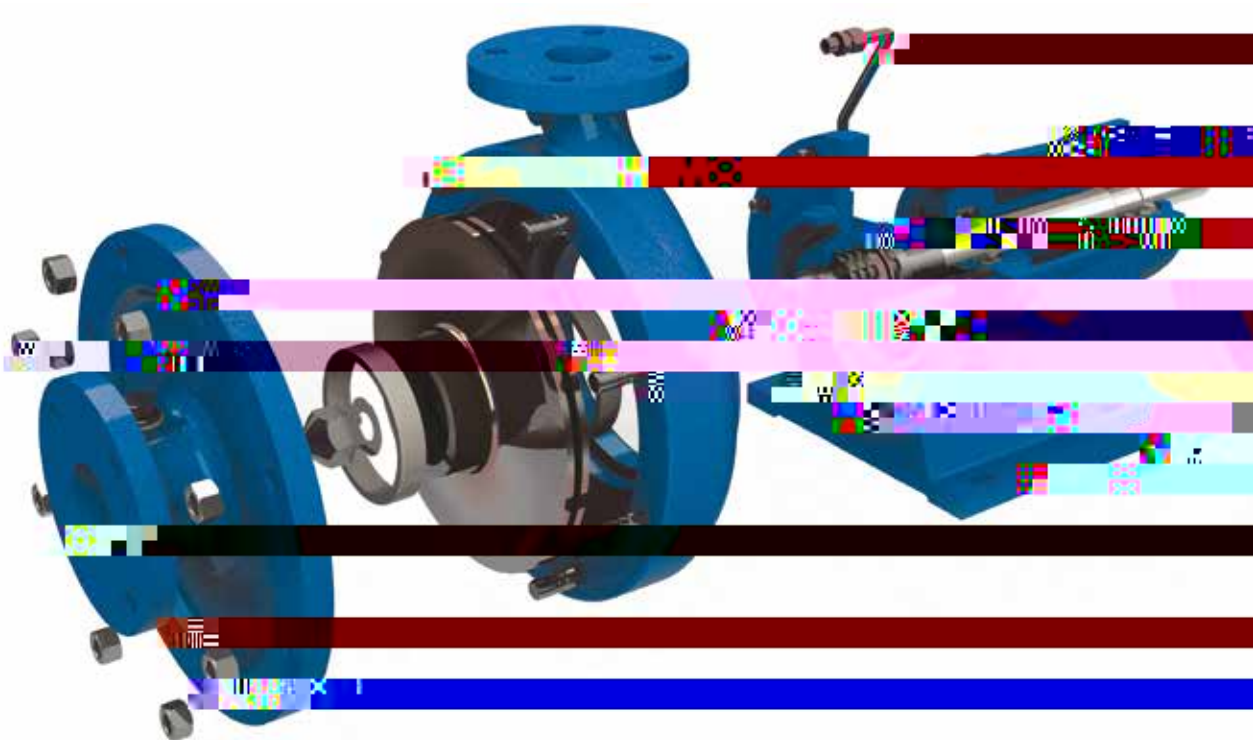
Standard pump design involves a ground stainless steel shaft, protected by a specially treated shaft sleeve, also made of stainless steel. Pump shaft and bearings are enclosed in a ball bearing cartridge, which enables a very quick replacement of the shaft and bearings unit. Moreover, this design enables 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.





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