

FAIRBANKS NIJHUIS™ MIXED FLOW PUMP

TYPE HMF, VMF

www.FairbanksNijhuis.com

Materials

Ductile cast iron, Cast iron, Bronze, Aluminum bronze, Stainless steel, (Super) duplex stainless steel

- Cast iron
- Ductile cast iron
- Bronze
- Aluminum bronze
- Stainless steel
- (Super) duplex stainless steel



Shaft Seals and Bearings

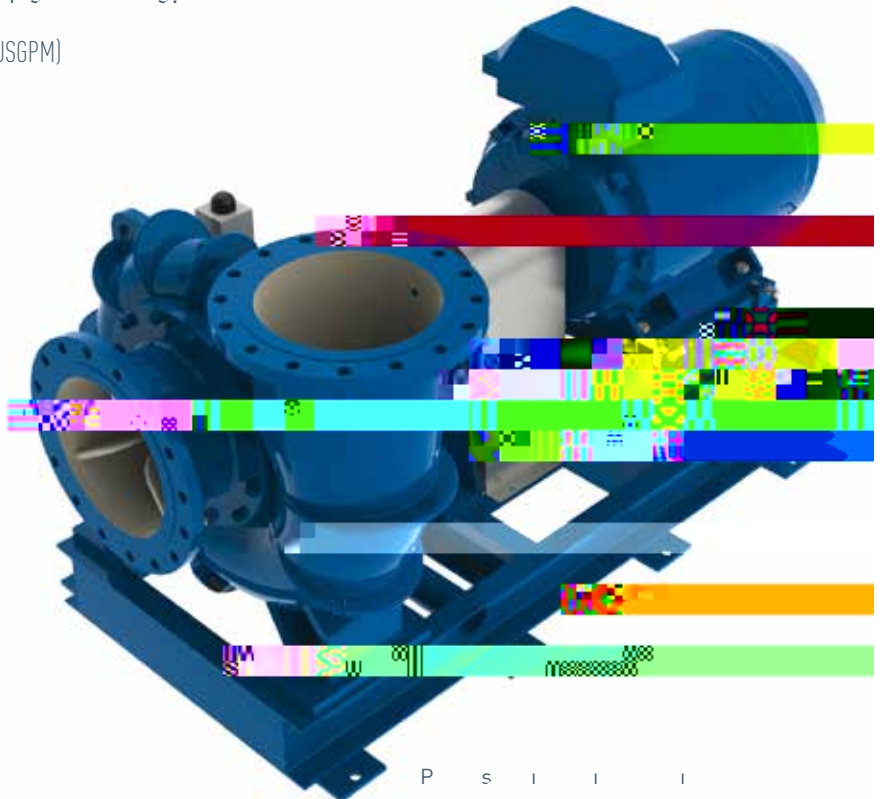
Standard shaft seals and bearings are available for most pump models. Custom shaft seals and bearings are also available for special applications.

About Pump Curves

Flow rate and head are the two most important parameters for pump selection. The pump curve shows the relationship between flow rate and head for a given pump.

- Capacities: 150 - 11,000 m³/h (660 - 48,431 USGPM)
- Head: 5 - 40 mlc (16 - 131 feet)

Head loss is the energy lost as water flows through a pipe. Head loss is caused by friction between the water and the pipe walls, and by turbulence in the water. Head loss is proportional to the square of the flow rate.



Water & Responsibility

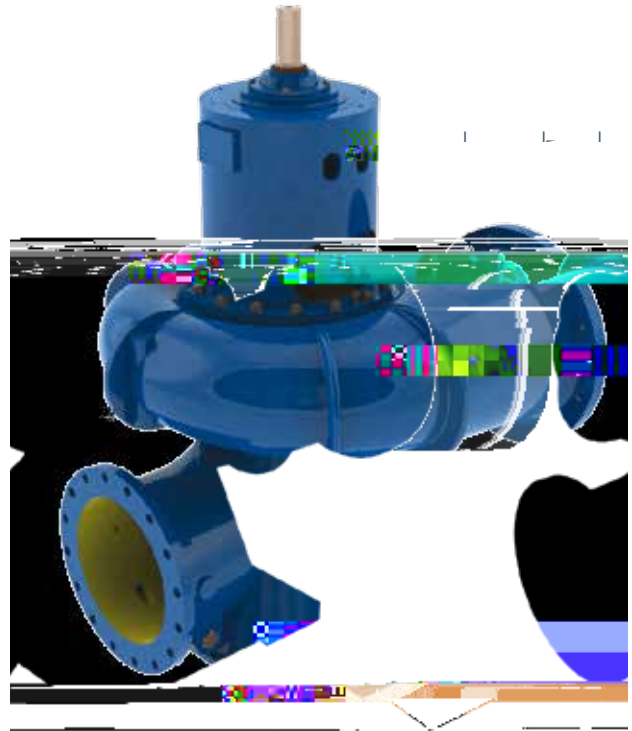
Fairbanks Nijhuis is a leading provider of water and wastewater treatment solutions. Our mixed flow pumps are designed for high efficiency and low energy consumption, making them an ideal choice for a wide range of applications. We are committed to providing high-quality, reliable products and services that help our customers achieve their water and wastewater treatment goals.

Applications

- Drinking water
- Sewage water
- Cooling water
- Effluent
- Irrigation
- Drainage
- Desalination

Pump Configurations

Pentair's Fairbanks Nijhuis mixed flow pumps are available in two configurations: (HMF) and (MF). The HMF configuration is designed for applications where the pump is mounted on a higher floor level, while the MF configuration is designed for applications where the pump is mounted on the same floor level as the water source.



PUMP OPTIONS

- The pump can be configured in two ways:
 - with the motor mounted on the pump or independently on a higher floor level.
 - as a closed-coupled pump where the impeller is mounted directly onto the extended motorshaft.
- The pump is available in two configurations: (HMF) and (MF).



Features and Benefits

FEATURES

- Oversized shafts and reduction of the overhang

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- For ease of maintenance, the entire rotating

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- Larger mixed flow pumps in sewage systems

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- Large access holes with contoured covers give

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BENEFITS

- High efficiencies and reduced energy consumption

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- Low NPSH values
- High suction lift
- Less civil works
- Low operating costs by appropriated material selections
- Space-saving vertical configurations reduce the footprint.
- Low maintenance requirements through reliable
- Back pull-out design for easy access.

