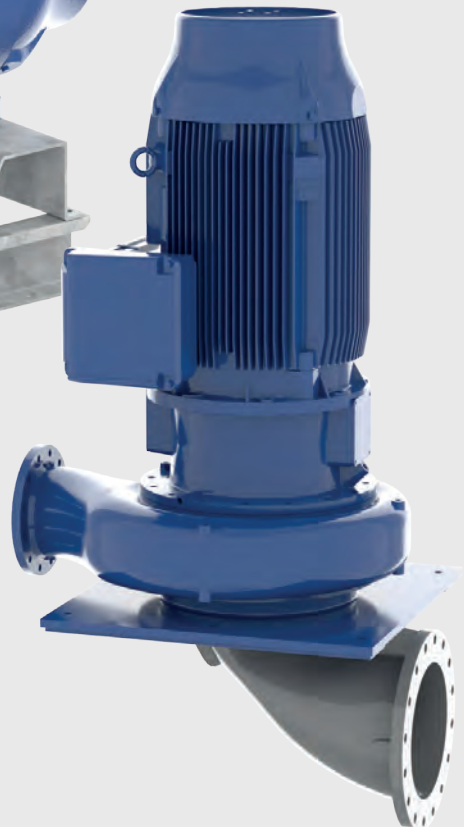


# WIN WITH XCENTRIC TECHNOLOGY XRW SERIES



Superior Clog Resistance  
Reduced Capacity Drift



Reduced Energy Consumption



Lower Operational Costs

# PENTAIR FAIRBANKS NIJHUIS™ XRW SERIES

## Featuring Pentair Xcentric™ Technology

**Boost your defense against modern flushables with the Pentair Fairbanks Nijhuis XRW Series. A groundbreaking advancement in Solids Handling Pumps, equipped with our revolutionary Pentair Xcentric™ Technology. Our aim is for customers to experience a world with enhanced clog resistance and capacity drift, where energy efficiency reaches new heights, and where vibration is minimized for a smoother operation. Our extensive range of capacities and heads guarantees that you'll find the perfect pump for your needs. With the XRW Series, you're not just purchasing a pump; you're investing in peace of mind!**

At the heart of the XRW Series is our groundbreaking impeller design, inspired by Xcentric Technology. This innovative impeller has no traditional leading edges on the impeller blades, preventing flushables from adhering to or becoming trapped between the impeller and the wear plate. Moreover, this unique design improves balance, minimizing vibration.

### Added value of the XRW Series:

- ◆ Mitigates clogging and capacity drift\*
- ◆ Reduces energy consumption\*
- ◆ Minimizes vibration levels\*
- ◆ Lowers total cost of ownership (TCO)\*
- ◆ Decreases downtime due to clogging\*
- ◆ Optimizes footprint with compact design

### Applications:

- ◆ Wastewater lifting stations
- ◆ Wastewater booster stations
- ◆ Wastewater treatment plants
- ◆ Sewage lifting stations
- ◆ Sewage booster stations
- ◆ Sewage treatment plants
- ◆ Sludge treatment
- ◆ Surface water pumping stations

The impeller's versatility goes beyond solids handling, with a design that is also proven to be fish-friendly (tested according to NEN8775 norm<sup>1</sup>). This makes it equally suitable for clean water applications, broadening its utility across various environmental and industrial contexts.



<sup>1</sup> The test was carried out according to NEN 8775 "Fish Safety - Method for determining the fish safety of pumps, jacks and enclosed water turbines used in pumping stations and hydropower plants" under the standards committee 390 020 "Environmental Quality".

\* Actual results will vary based on application and a range of other factors. Clogging resistance, capacity drift, reduced vibration, energy savings/efficiency, and total cost of ownership information are based on estimates using data gathered from the results of prior retrofit applications of Pentair's Xcentric impeller at several pumping stations, including Amsterdam, Carlsbad, Aalst, Pretoriaaan, Damsterdiep, and Selwerd. The source of such data is Pentair field testing, as well as customer-gathered data and testimonials.

# HIGH-EFFICIENCY SOLIDS HANDLING PUMPS

Engineered for performance

## Mitigates clogging and capacity drift\*

- ◆ Meticulously engineered to help reduce clogging and maintain peak hydraulic performance.
- ◆ High-efficiency design reduces capacity drift.

## Lowers cost of ownership\*

- ◆ Patented impeller design lowers power requirements and energy consumption over the pump's lifetime.
- ◆ Decreases downtime due to clogging, allowing for more reliable operation.

## Ease of installation and maintenance

- ◆ Innovative balanced design ensures smooth operation and minimizes vibration.\*
- ◆ Permanently lubricated bearings in a compact bracket for easier handling.
- ◆ Sliding frame facilitates maintenance.

## Designed for durability and longevity

- ◆ Compatible with IEC B5 motors as a standard option, offering flexibility in motor brand selection.
- ◆ Double mechanical seal for increased durability.
- ◆ Adjustable durable wear rings.



# CONFIGURATIONS AND OPTIONS

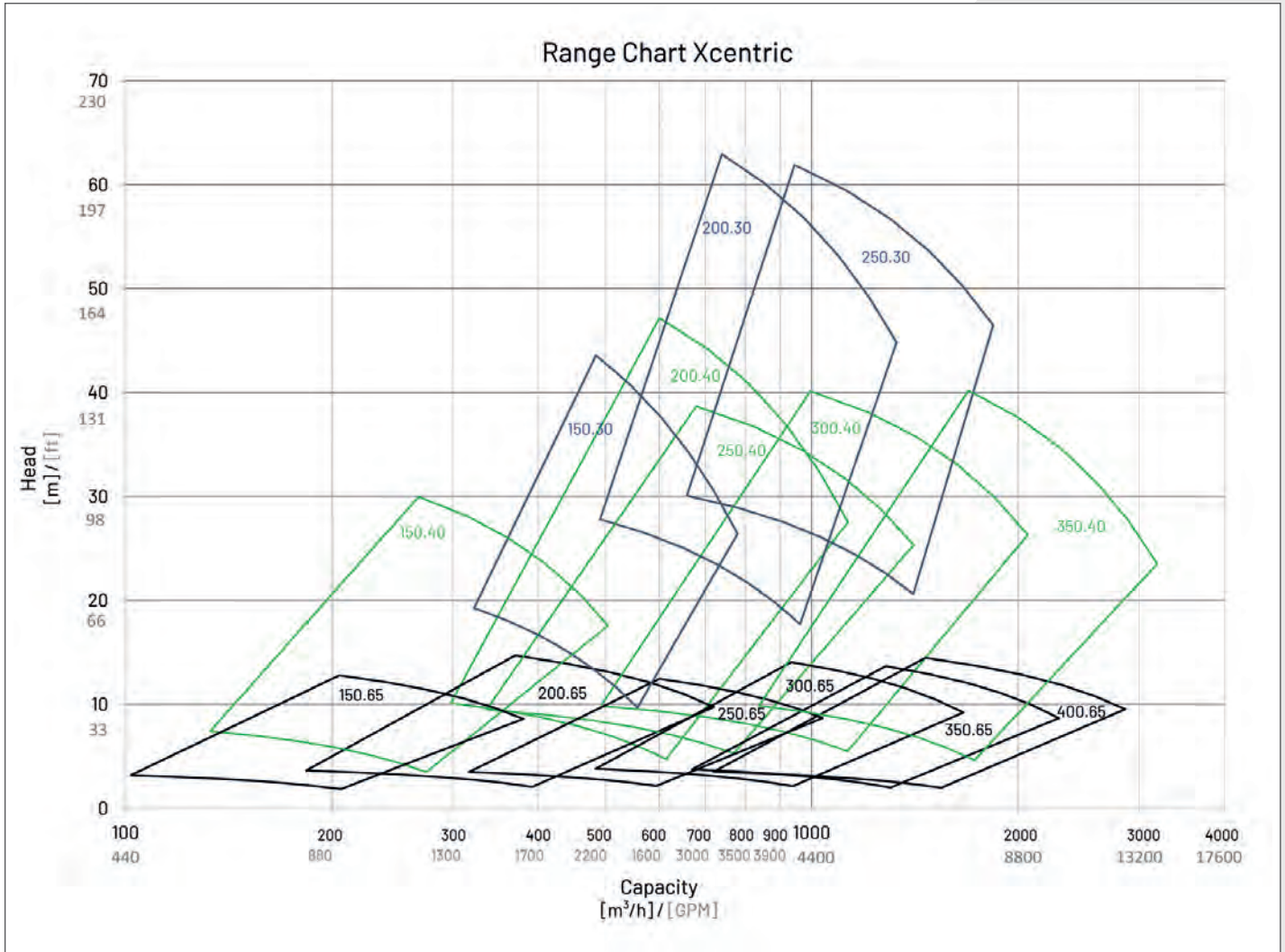
- ◆ Available in both horizontal and vertical orientations.
- ◆ A robust coated or galvanized pump frame featuring cantilever construction for enhanced durability and performance.
- ◆ Advanced remote monitoring capabilities when paired with available Pentair CMD19 system, ensuring optimal performance and early detection of potential issues.



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# XRW SERIES PERFORMANCE DATA

The XRW Series covers flow rates up to 3000 m<sup>3</sup>/h (13,000 GPM) and a head up to 60m (200 ft). To ensure you make a confident choice, our experts are here to guide you in selecting the ideal pump that perfectly matches your application and operating requirements.



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