



**INDUSTRIAL PUMPS  
POWER**

# Applications

## Cooling Tower Pumps

Pentair's tradition as a leader in vertical turbine and split case pumps continues with the rugged and heavy duty, family of Pentair vertical turbine and split case pump products, designed to successfully operate in a multitude of water sources such as raw water intake, liquid transfer, cooling water circulation, booster service, storm water, flood control, marine, process services, volatile fluids, condensate, fuel pumps and mine dewatering.



## Circulating Water Pumps

Strong. Dependable. Reliable.

Pentair's tradition of leadership continues with these attributes in the manufacture of Vertical Mixed and Axial Flow Propeller Pumps. Designed for moderate to high volume fluid movement from moderate to low discharge pressures, both product lines have excellent low NPHS requirements and are only separated by the amount of head or pressure to be developed.

The advantages of mixed flow pumps include minimum footprint, no priming required. In addition, vertical mixed flow pumps are easily adaptable to various design codes, can be modified for changing hydraulic conditions, and generally experience less wear due to the lower operating speeds they require.

Pentair vertical axial flow propeller pump applications are found in a variety of markets including urban and rural municipal water, government, industrial, irrigation, and more.



## Boiler Feed Pumps

With the 7600 series turbine pump Pentair brings its century of experience to a pinnacle. The 7600 series pump is a multistage, horizontal, radially split pump for high pressure service.

With 30-50% fewer stages, 10+ point higher efficiencies allowing for the use of smaller motors and less power consumption and available pressures up to 2000psi (1400 mlc), The 7600 series maximizes cost containment and other operational efficiencies for the user.



Contact your local sales representative for availability.



# Applications

## Fire Water Pumps

Pentair, with its Fairbanks Nijhuis® and Aurora® line of products, is the world leader in UL/FM, NFPA 20 fire pumps in the world. Vertical turbine, horizontal split case, vertically mounted split case, inline and end suction labeled fire pumps are available.



## General Service Pumps

The Pentair Aurora line of end suction and ANSI Std. B73.1M pumps are one of the most comprehensive product line offerings available. Vertical mountings, in line mounting and even sump pumps are available with Pentair Aurora pumps.

Both flanged and threaded connections are available depending upon model.



## Ash Sluice Pumps

Pumping fly ash in water suspension is tough duty for a pump. Pentair's Fairbanks Nijhuis 4500/4600/4700 series high chrome iron, recessed impeller pumps are up to the task.

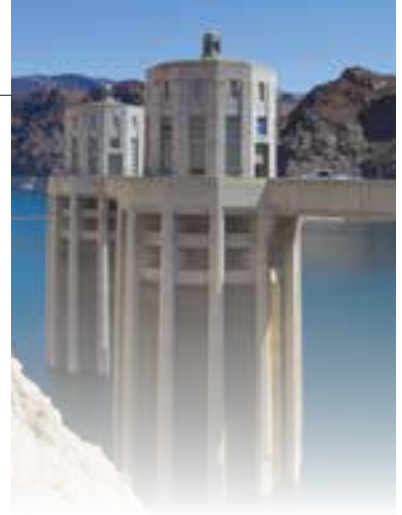
They also can be used in other abrasive services which require a 600+ Brinell Hardness to resist wear and premature failure.



# Applications

## Raw Water Intake Pumps

Pentair's Fairbanks Nijhuis® and Aurora® lines of products have extensive experience in both vertical turbine and horizontal split case pumps in raw water intake services. High reliability and rugged construction maximize service life while high efficiencies reduce power consumption.



## Condensate and Heater Drain Pumps

Pentair's vertical pumps are up to the task of pumping hot condensate efficiently and reliability. Broad material selection is based on properties of the condensate.

Low NPSHA impellers are available on many sizes to minimize installation costs and suction vessel length.



Product quality, dependability, and innovation are all part of the Pentair commitment to excellence. Whatever your needs, Pentair has you covered!



# Power

The Pentair family of pump products has been serving the power industry for well over 90 years, offering a broad range of solutions that effectively and efficiently move fluids for the power industry.

Pentair's distinctive products, market leadership, excellent customer service, and longevity in the industry are all a result of the quality and dedication of our personnel. Our products are manufactured to the highest quality standards, are extremely efficient and highly reliable.

From cooling towers, boiler feed, ash sluice, river water intake applications and much more, the next time you're in need of a pump for your Power application needs, think of the Pentair family of products.



Pentair brands have served this industry throughout the years with reliability and confidence.

**AURORA®**

**AURORA® EDWARDS SERIES**

**AURORA® LAYNE VERTI-LINE SERIES**

**FAIRBANKS NIJHUIS™**

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



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## 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.