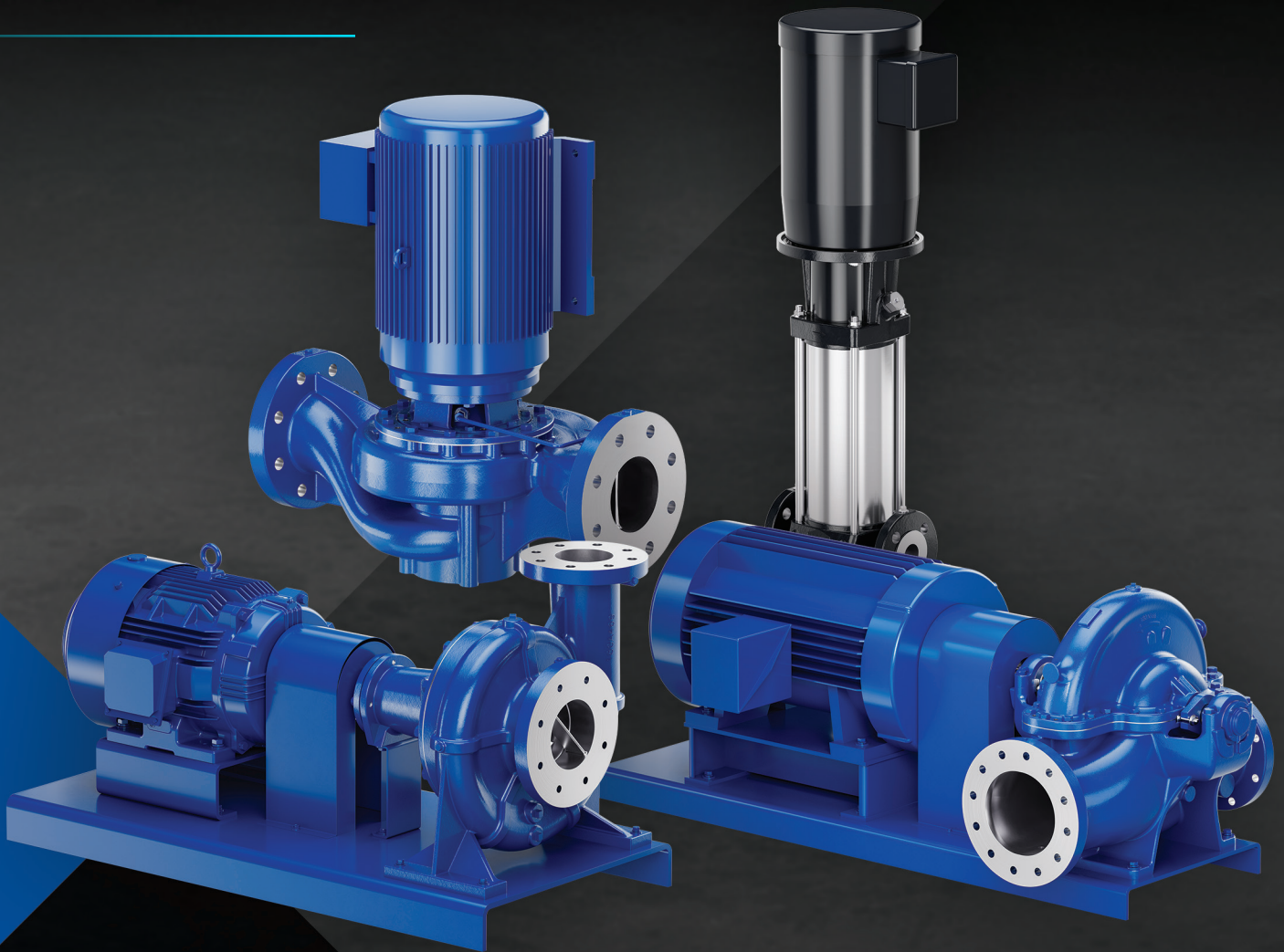




COMMERCIAL HVAC & WATER SUPPLY PUMPS



3800 SERIES

382B SERIES

400 SERIES

PVM SERIES

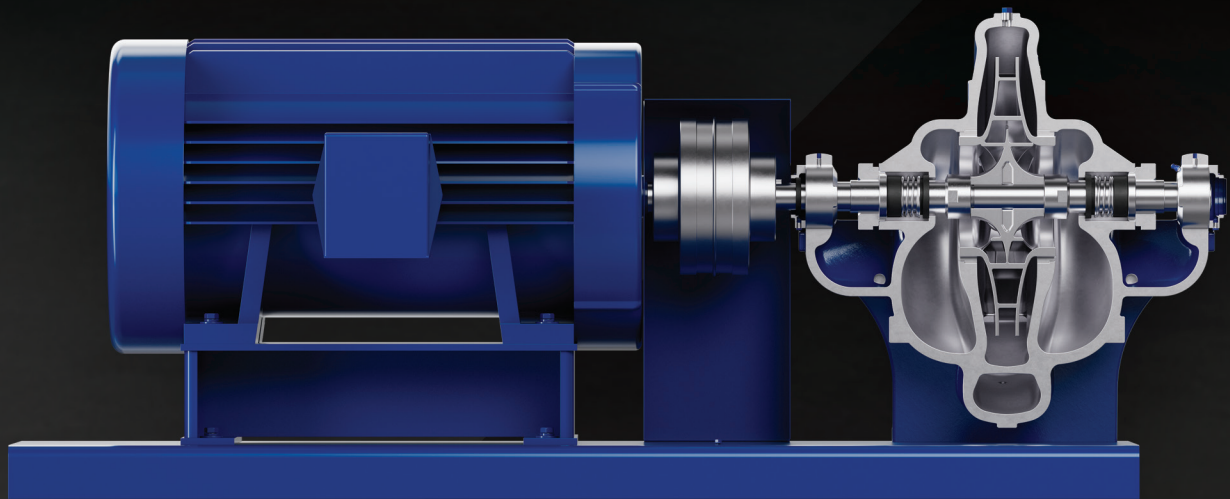
pentair.com/aurora



Contact us to learn more about
our NSF certified products.

ICONIC PERFORMANCE FROM A TRUSTED BRAND

Backed by over a century of innovation, **Pentair Aurora®** pumps deliver efficient, reliable performance in commercial HVAC and water boosting applications. Aurora pumps are designed to check all your boxes, from compact builds that can fit in tight spaces, to durable components that hold up in high-demand environments.



	Applications	Max Flow	Max Head	Max Temp	Stages	Coupling	Configurations	Certifications
3800 SERIES	HVAC Boosting Hot/cold water	4,200 gpm (954 m ³ /hr)	520 ft (158 m)	275° F (135° C)	Single	Close (3801) Flexible (3804)	Horizontal	NSF372 NSF61 ¹ NSF50 ¹
382B SERIES	HVAC Boosting Clean water pumping	12,000 gpm (2,725 m ³ /hr)	370 ft (112 m)	275° F (135° C)	Single	Close Split	Vertical	NSF372
400 SERIES	HVAC Boiler feed Condensate High-pressure water service	15,000 gpm (3,407 m ³ /hr)	663 ft (202 m)	275° F (135° C)	Single Multi	Flexible	Vertical Horizontal	NSF372 ² NSF61 ^{1,2} NSF50 ^{1,2}
PVM	Pressure boosting Boiler feed Condensate	550 gpm (124.9 m ³ /hr)	700 ft (213 m)	248° F (120° C)	Multi	Direct	Vertical	NSF372 ³ NSF61 ³

¹ optional

² 410 series only

³ PVMX1-90 only

COMMERCIAL HVAC & WATER SUPPLY PUMPS



3800 SERIES

Single Stage End Suction Pumps

3800 Series pumps bring more flexibility, durability, and exceptional performance to your pump room. A simplified line of rugged close- and flexible-coupled pumps simplifies your slate of options without limiting ranges or interchangeability.

Five-year warranty for increased peace of mind.

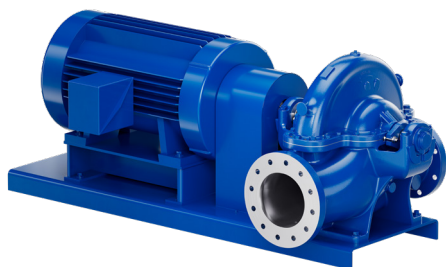


382B SERIES

Single Stage Vertical In-Line Pumps

With shared hydraulic parts, premium materials, and efficiency standards that exceed U.S. Department of Energy compliances, 382B pumps are specifically designed for direct pipeline mounting to save space in a pump room — all while delivering next-level performance.

Five-year warranty for increased peace of mind.



400 SERIES

Split Case Pumps

400 Series pumps are built to last using high-quality materials and protective design elements that help keep your pump operational for decades. 410 Series pumps are best for installations with small- to medium-scale pumping needs, while 420 Series models offer increased flow rates and pressure ranges for demanding municipal, industrial, and commercial water systems.

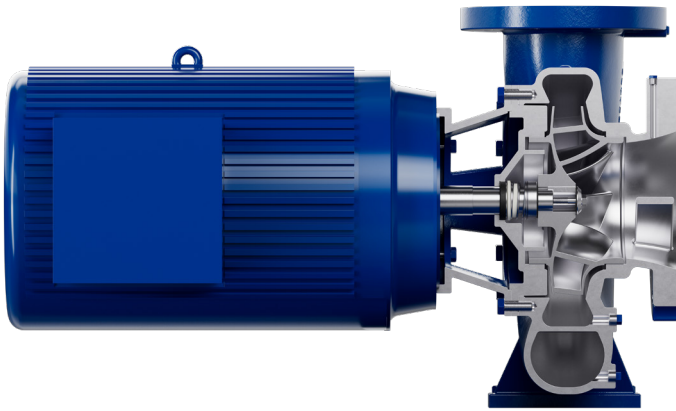


PVM SERIES

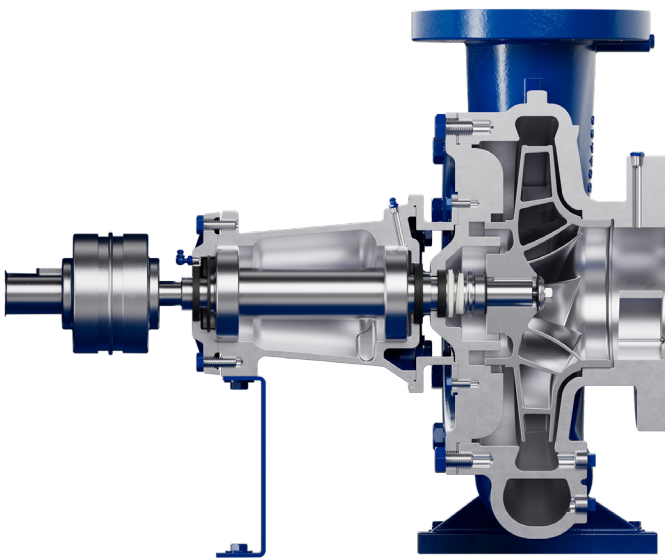
Vertical Multistage Pumps

Equipped with powerful premium-efficient EPAct motors, incredibly durable components, and flexible connection options, PVM Series pumps are built to deliver reliable performance in commercial applications.

3801 CLOSE-COUPLED



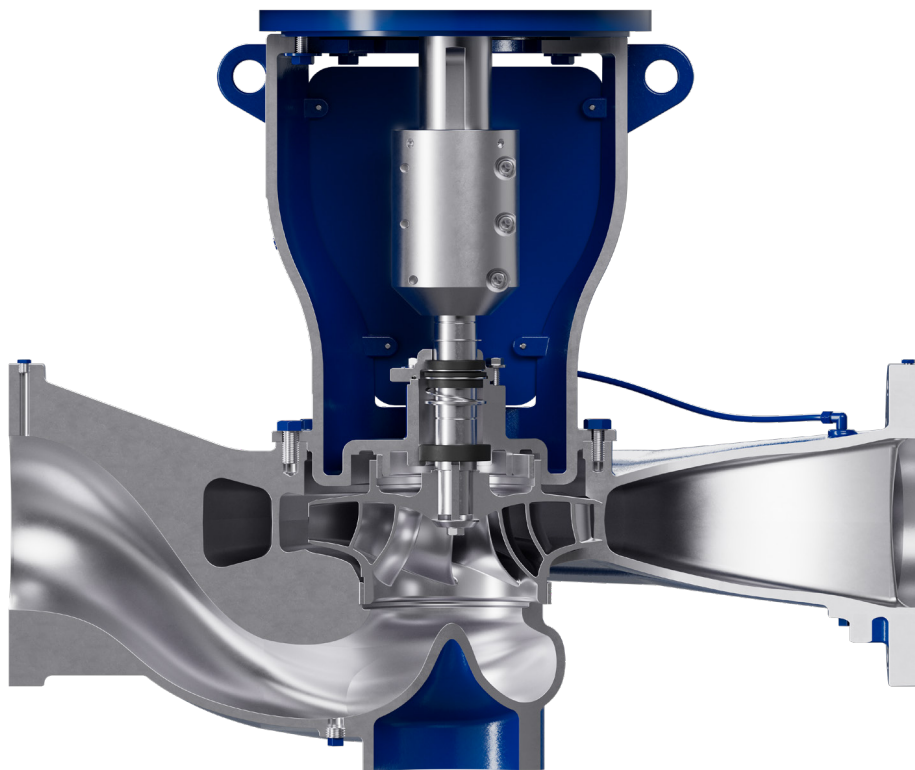
3804 FLEXIBLE-COUPLED



PUMP FEATURES

- **High-performance motors** reduce pump noise during operation.¹
- **Ductile iron casings** allow for higher working pressures and a longer overall pump life.
- **Factory hydrostatic testing** guarantees casing and seal integrity.
- **Double volute discharge** on select models reduce bearing loads.²
- **Suction splitter capabilities** on select models reduces pre-rotation and boosts pump efficiency.
- **Back pullout casing feet** make it easy to service pumps without disturbing suction and discharge pipelines.
- **Gauge taps on suction and discharge flanges** give you more visibility into your pump's performance.
- **Carbon mechanical seal** uses 303 SST metal parts and Buna-N® flexible elastomers to keep your pump operational longer.
- **Stainless steel shaft sleeve** protects the motor shaft.
- **Stainless steel impeller** is keyed and secured to the shaft extension. Additional gaskets help prevent leakage.
- **Optional casing wear rings** help reduce internal recirculation.
- **Optional seal materials** match your largest installed base flange to flange.³
- **Re-greaseable bearings** reduce friction and help extend pump life.³
- **Steel shaft** reduces deflection.³
- **Heavy-duty power frame** delivers 100,000 hours of re-greaseable bearing.³

382B SINGLE SUCTION



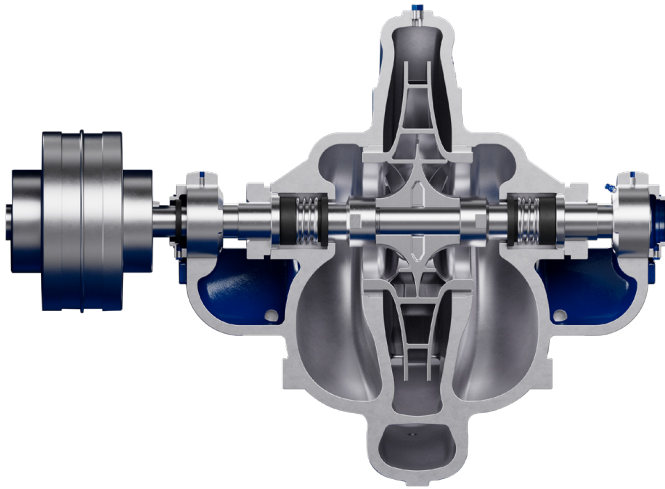
Meets Department of Energy (DOE) 2020
Standards for Pumps: Final Rule

PUMP FEATURES

- **Patented jacking mechanism¹**
Eliminates the need for an extra technician.
- **Ductile iron casings**
Allows for higher working pressures and a longer overall pump life.
- **Standard C-Face motor²**
Enables low noise level pump operation.
- **Vertical configuration**
Allows for less disruptive pump service when performing routine maintenance.
- **Dynamically balanced stainless steel impeller**
Enclosed, keyed, and secured to the shaft extension with gaskets to help prevent leakage.
- **Stainless steel shaft¹**
Designed for minimal deflection.
- **Carbon ceramic mechanical seal**
Uses 303 stainless steel parts and Buna-N® flexible elastomers to help maximize uptime.
- **Factory hydrostatic testing**
Guarantees casting seal integrity.
- **Relief line**
Ensures adequate seal chamber venting and seal face lubrication.
- **Smooth suction passage vortex breaker**
Helps minimize pre-rotation.
- **Single or double volute discharge**
Minimizes side load on shaft to extend mechanical seal life.

Double Suction models are also available

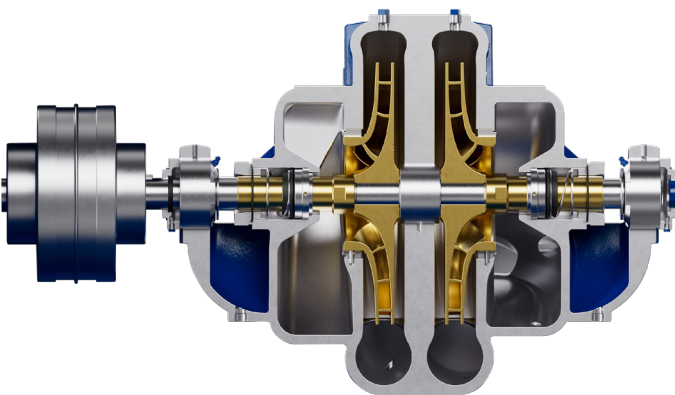
410 SERIES



PUMP FEATURES

- **Split case design** makes it easy to remove upper casing without disturbing suction and discharge for simpler servicing and inspection.
- **Dynamically balanced impeller** is keyed to shaft and secured by adjustable shaft sleeves via a vacuum cast process that boosts efficiency and performance.
- **Bronze shaft sleeve** extends the entire length of each stuffing box to prevent shaft wear.
- **Interchangeable stuffing boxes** come equipped with 303 stainless steel parts and Buna-N® elastomers for a longer pump life.
- **Mechanical seals** are included in standard constructions and include carbon against ceramic face for optimal hot water performance.
- **Grease lubrication bearings** are conveniently located for quick access and outfitted with oil seals and non-sparking neoprene rotating slingers to protect bearings during operation and washdowns.
- **High-load bearings** provide a minimum of 50,000 hours of performance at maximum load thanks to double-row thrust ball bearings and arms that help eliminate misalignment.
- **Left-hand rotation** is available with standard parts.
- **Performance certification** with positive suction pressure or suction lift is available on each pump for customer approval. All pumps are hydrostatically tested for optimal performance.
- **Case wearing rings** prevent wear on pump casing and are easy and cost-effective to replace.

420 SERIES



Vertical Configurations are also available.

AURORA PVM SERIES VERTICAL MULTISTAGE PUMPS

High-thrust TEFC motor delivers more protection against weather, dirt, and moisture.



Cartridge mechanical seal can be easily replaced without dismantling the pump.

Stainless steel impellers and diffusers resist corrosion and help increase pump life.*

*PVM AISI 304 + PVMX AISI 316

Multiple connection options include flanged, grooved, or NPT for easier installation in new and existing frameworks.

LIFECYCLE SUPPORT FOR YOUR PUMP

When it's time to service your pump equipment with replacement parts, there's no room to gamble on unknown suppliers. We carry thousands of genuine OEM parts tailored to Pentair pumps and ready to ship quickly.

HYDRONIC ACCESSORIES

Get the most out of your system with a wide range of hydronic accessories that can help boost performance and reliability.

Learn more at pentair.com/pumpcare

YOUR PUMP PARTNER **FOR** **THE WHOLE** **BUILDING**

PROTECTING LEGACIES LIKE YOURS
FOR MORE THAN A CENTURY

Our extensive pump portfolio, crafted with a tradition of quality and excellence, has countless applications in commercial buildings.

Whether it's fire suppression for safety or HVAC and boosting applications for comfort, your building is covered with dynamic water movement solutions that fit your needs.

No matter where it's used, you can trust that your pump is backed by a dedicated team providing unwavering support throughout its lifetime. Because every decision counts when selecting pump equipment that protects your building and the people inside.

Scan the QR code or visit **pentair.com/aurora** to learn more.



EXPLORE OUR
PUMP PORTFOLIO

FIRE SUPPRESSION • HVAC • PRESSURE BOOSTING



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