



**AURORA<sup>®</sup>**  
**COMMERCIAL HVAC**  
**AND PLUMBING**  
**FLUID HANDLING**  
**SOLUTIONS**

[WWW.AURORAPUMP.COM](http://WWW.AURORAPUMP.COM)



# AURORA®

Aurora Pump provides commercial HVAC and Plumbing pumping solutions for a variety of markets throughout the world.

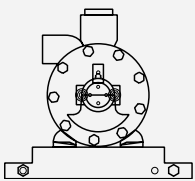
With over ninety years of experience, Aurora's commitment to excellence goes beyond the product line by being dedicated to keeping our customers, distributors and employees constantly educated and updated on the leading developments in technology. Our computer software programs assist with selecting the best pumps and systems along with providing pump drawings and specifications. These programs save valuable time in the selection and evaluation of pumps and systems.

As an ISO 9001 registered company, Aurora Pump is committed to quality. In addition, to meet your quick ship requirements, the Aurora Distribution Center is stocked with parts and pumps to handle same day shipments. These components, along with our outstanding customer service program, will keep your Aurora Pump system at peak performance for years to come. You can rely on Aurora Pump and our qualified distribution network to provide total fluid flow solutions.



Pictured at top: High Rise Building, Mexico City, MX. Pictured in the middle and at bottom: Texas Children's Hospital, Houston, TX.

## 100 SERIES

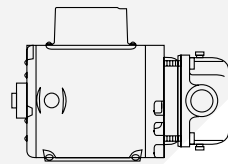


### Models 110A-120B

#### One and Two Stage Regenerative Turbine Pumps

Flows: Up to 150 GPM (34 m<sup>3</sup>/hr)  
Heads: Up to 920' (280 m)  
Temperatures: Up to 275°F (135°C)

- Ideal for high head low flow applications
- Handles liquids entrained with up to 20% gases and vapors
- Increases system reliability with constant flows



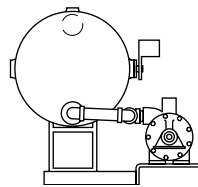
### Model 130

#### Close Coupled Single Stage Regenerative Turbine Pumps

Flows: Up to 50 GPM (11.4 m<sup>3</sup>/hr)  
Heads: Up to 700' (213 m)  
Temperatures: Up to 212°F (100°C)

- Self-priming feature (Model 133)
- O-ring gaskets prevent leakage
- Self-centering impeller
- Water slingers protect bearings
- Mechanical seal with carbon and Ni-resist faces for hot water performance
- Double suction impeller minimizes axial thrust
- Replaceable channel rings
- Straight through in-line piping (Models 134 and 135)

## 200 SERIES

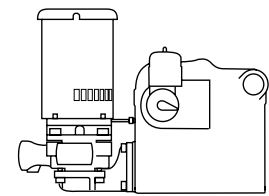


### Model 210

#### One and Two Stage Condensate Systems

Flows: Up to 150 GPM (34 m<sup>3</sup>/hr)  
Heads: Up to 270' (82.2 m)  
Temperatures: Up to 190°F (88°C)

- Long life receiver prevents corrosion
- Brass water level gauge
- Interchangeable design provides for future expansion
- Completely assembled piping
- Accessibility to pumps and other components
- Pumps handle entrained air and vapor with liquid to eliminate vapor lock



### Model 220

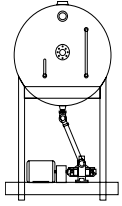
#### Single Stage Condensate and Boiler Feed Systems

Flows: Up to 180 GPM (40.8 m<sup>3</sup>/hr)  
Heads: Up to 170' (51.8 m)  
Temperatures: Up to 200°F (93°C)

- Long life fabricated steel receiver
- Optional back angle thermometer
- Optional brass water level gauge
- Trouble-free float switch
- Interchangeable design provides for future expansion
- Back pull-out design simplifies disassembly
- Dynamically balanced impeller
- Stainless steel shaft designed for minimum deflection

# Fluid Handling Products

## 200 SERIES



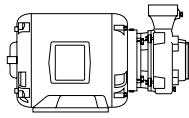
### Model 280

#### One and Two Stage Boiler Feed Systems

Flows: Up to 100 GPM (22.7 m<sup>3</sup>/hr)  
Heads: Up to 575' (175 m)  
Temperatures: Up to 210°F (99°C)

- 3/16" carbon steel receiver
- Brass float valve
- Brass water level gauge with shut-off valve
- Interchangeable design provides for future system expansion
- 3-way strainer valve provides dependable operation
- Completely assembled piping
- Pumps designed for boiler feed will handle entrained air and vapor

## 300 SERIES

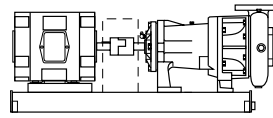


### Model 320

#### Single Stage End Suction Pumps

Flows: Up to 400 GPM (90.8 m<sup>3</sup>/hr)  
Heads: Up to 210' (64 m)  
Temperatures: Up to 225°F (107°C)

- Low noise level
- Vertical centerline discharge makes pump self-venting
- Back pullout design simplifies disassembly
- Case wearing rings are easily replaceable
- Dynamically balanced impeller is keyed to shaft
- Stainless steel shaft designed for minimum deflection

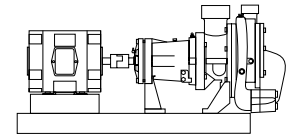


### Models 340-360

#### Single Stage End Suction Pumps

Flows: Up to 4500 GPM (1,022 m<sup>3</sup>/hr)  
Heads: Up to 360' (110 m)  
Temperatures: Up to 300°F (149°C)

- Flexible and close coupled models
- Horizontal and vertical mounting (close coupled pumps)
- Computer machined components with 360° registered fits
- Vacuum cast impeller
- Power frames provide maximum interchangeability
- Factory hydrostatic test
- Certified performance test available
- Back pullout design simplifies disassembly



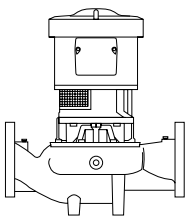
### Model 370

#### Two Stage End Suction Pumps

Flows: Up to 310 GPM (70.4 m<sup>3</sup>/hr)  
Heads: Up to 790' (241 m)  
Temperatures: Up to 300°F (149°C)

- Dynamic balanced impeller
- Case wearing rings are easily replaceable
- High temp mechanical seal is standard
- Carbon steel shaft designed for minimum deflection
- Relief line assures adequate venting
- Bronze shaft sleeve prevents shaft wear
- Factory hydrostatic test
- Certified performance test available

## 300 SERIES



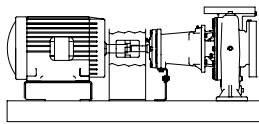
### Model 380

#### Single Stage In-Line Pumps

Flows: Up to 600 GPM (136.3 m<sup>3</sup>/hr)  
Heads: Up to 170' (51.8 m)  
Temperatures: Up to 250°F (121°C)

- Back pullout casing with in-line suction and discharge
- Case wearing ring prevents wear on casing
- Dynamically balanced impeller is keyed to the shaft
- Carbon steel shaft is designed for minimum deflection
- Relief line assures adequate venting
- Bronze shaft sleeve prevents shaft wear
- Integral cast support feet

## 3800 SERIES



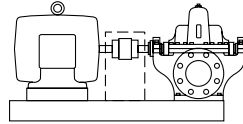
### Models 3801-3804

#### Single Stage End Suction Pumps

Flows: Up to 4,200 GPM (954 m<sup>3</sup>/hr)  
Heads: Up to 520' (180 m)  
Temperatures: Up to 300°F (149°C)

- Offered in two models: Model 3801 close coupled and Model 3804 flexible coupled-frame mounted
- 316 stainless steel impeller
- Double volute on 4" discharge and larger to reduce bearing loads
- Gauge taps on suction and discharge on flanged models
- 4 power frame sizes
- Casing feet for easy back pullout
- Regreaseable bearings (Model 3804 only)
- Coupling guard (flex coupled design)
- Formed steel base (flex coupled design)

## 400 SERIES

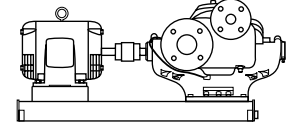


### Models 410-420

#### Single Stage Double Suction/ Two Stage Single Suction Split Case Pumps

Flows: Up to 15,000 GPM (3,406 m<sup>3</sup>/hr)  
Heads: Up to 600' (183 m)  
Temperatures: Up to 275°F (135°C)

- Split case design simplifies disassembly
- Dynamically balanced impeller is keyed to the shaft
- Case wearing rings prevent casing wear
- Replaceable shaft sleeve prevents shaft wear
- Interchangeable stuffing box for mechanical seals or packing
- Grease lubrication purges old grease from bearings
- Double row thrust bearings promote long life
- Bearings selected for 50,000 hour minimum life



### Model 430

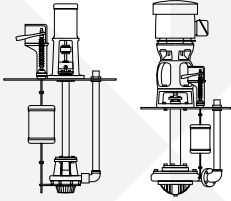
#### Two Stage Single Suction Diagonal Split Case Pumps

Flows: Up to 400 GPM (90.8 m<sup>3</sup>/hr)  
Heads: Up to 1,000' (305 m)  
Temperatures: Up to 300°F (149°C)

- 45° discharge allows suction discharge to be in bottom half of casing
- Dynamically balanced impeller is keyed to shaft
- Double row thrust bearings promote long life
- Bearings selected for 50,000 hour minimum life
- Case wearing rings prevent casing wear
- Replaceable shaft sleeve prevents shaft wear
- Grease lubrication purges old grease from bearings
- Interchangeable stuffing box for mechanical seals or packing

# Fluid Handling Products

## 500 SERIES



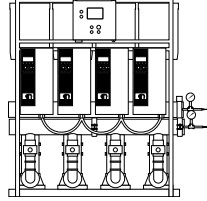
### Models 520–530; 630–640

#### Single Stage Vertical Wet Pit Sump and Sewage Pumps

Flows: Up to 1,200 GPM (272.5 m<sup>3</sup>/hr)  
Heads: Up to 180' (54.8 m)  
Temperature: Up to 180°F (82°C)

- Motor mounting bracket assures alignment with tongue and groove machining
- Bronze sleeve bearing provided for extra life
- Thrust ball bearing is regreaseable and is protected from contamination
- Liquid end includes an impeller which can be adjusted externally
- Discharge pipe is secured to baseplate and threaded for convenient piping
- Line shaft bearings provide rigid support

## 700 SERIES

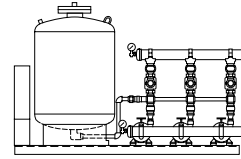


### Models 7710–7720

#### Variable Speed Pumping Systems

The system supports up to four variable speed pumps and one constant speed pump

- System includes pumps, motors, VFD drives and sensors
- One contact point of responsibility
- Easy start-up with menu-driven programmable control
- Save money with Best Efficiency Control
- Space saving design
- Increased system security



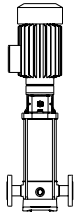
### Models 770/790

#### Constant Pressure Booster Systems

Flows: Up to 10,000 GPM (2,271 m<sup>3</sup>/hr)  
Heads: Up to 500' (152 m)  
Temperature: Up to 275°F (135°C)

- System includes pumps, motors, controller and sensor
- Completely assembled and prewired for easy installation
- Sensing control panel in NEMA 1 enclosure is UL Listed
- Pressure gauges located on suction and discharge manifold
- Groutable formed steel base provides complete support for easy installation

## PVM SERIES



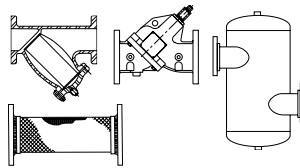
### PVM Series

#### Multi-Stage Vertical In-Line Centrifugal Pumps

Flows: Up to 210 GPM (13 LPS)  
Heads: Up to 895' (273 m)  
Temperature: Up to 250°F (121°C)

- Boiler Feed
- Condensate Return
- Jockey Pump
- Irrigation
- Chemical Feed
- Car Wash

## 1000 SERIES



### Hydraulics Accessories

- Series 1020 Y-Strainers
- Series 1030 Suction Diffusers
- Series 1040 Combination Valve
- Series 1050 Air Separator
- Series 1060 Expansion Tanks
- Series 1070 Circulators
- Series 1080 Heat Exchangers
- Series 1090 Flexible Connectors



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