

THE QUIET REVOLUTION

GRUNDFOS LARGE WET ROTOR CIRCULATORS



UPS SERIES 200

GRUNDFOS 

THE QUIET REVOLUTION

Grundfos is the only commercial pump manufacturer of large, wet-rotor circulators in the U.S. with more than 40 years of proven performance. Our large UP(S) wet rotor circulators are whisper-quiet and maintenance-free. They feature an integrated pump and motor design with fewer parts, providing easier installation and durability.

QUIET OPERATION

Fans are often a source of noise and vibrations that can resonate throughout a building via pipe work. Wet rotor design eliminates the need for a fan to cool the motor: water being pumped surrounds the rotor, cooling and lubricating the shaft and bearings. No noise. Just quiet.

MAINTENANCE-FREE

The Grundfos large UP(S) wet rotor circulators are virtually maintenance-free and offer many advantages over three-piece, dry rotor pumps.

- **NO SEALS** – eliminates hot water leakage
- **NO OIL** – pumped water is the lubricant
- **NO COUPLERS** – ensures no maintenance required

INCREASED OPERATING EFFICIENCY

The large UP(S) uses dynamically balanced rotors and laser-welded, stainless steel, curved blade impellers. Stainless steel impellers provide a higher pump efficiency than cast-bronze or cast-iron impellers.

ENERGY AND COST SAVINGS

The speed switch on the large UPS motor allows you to adjust the pump speed to meet the needs of your system, thereby reducing energy consumption and saving you money.

REPLACEMENT VALUE

Most large UP(S) pumps can replace other manufacturers' three-piece dry runners without piping modifications and occupy less space.

BUILT TO LAST

The stainless steel impellers, rotor shaft, bearing plate, and rotor cladding on large UP(S) pumps are corrosion-resistant and built to last.

USER-FRIENDLY

Indicator lights on the terminal box ensure the electrical connections and rotation of your pump are correct.



PUMP APPLICATIONS

Large UP(S) pumps are available in varying sizes and material construction and are ideal for commercial buildings and large residences.

- Cast iron for closed systems (heating and air conditioning)
- Bronze for open systems (domestic hot water)
- Heating systems for apartments, colleges, and hospitals
- Hot water recirculation for apartments and hotels
- Snow melt, and hot water recirculation for large residential and light commercial
- Radiant heating for residential and commercial structures

CASE STUDY: LARGE UP(S) — AVON, COLORADO

“Our customers want absolute, unerring reliability and performance to match that of a finely-crafted European car,” says Tim Rosen, P.E., one of Concept Mechanical’s owners. “And, they don’t want to see or hear the mechanical equipment, not even in a garage or basement.”

To meet these needs, Concept Mechanical has developed a hydronic recipe for demanding clients that always includes Grundfos multi-speed circulators.

One recent job involved the installation of an extensive radiant heat system for a snow-melted driveway and several of the UP(S) circulators.

“Our customers are willing to pay for good workmanship, but they want absolutely no compromise,” Tim said. “Using the best equipment isn’t necessarily a matter of choice, but of necessity. We use the best products because our reputation, and their peace of mind, are on the line.”

For jobs with larger loads, Concept Mechanical selects Grundfos UP(S) pumps because of their three-speed adaptability and remarkably quiet operation.

They particularly like the ability to match a multi-speed pump to its need. Grundfos’ new, expanded line of wet rotor large UP(S) pumps have two or three different performance curves and are well suited for later system retrofits or changes.



THE QUIET REVOLUTION

Industry standard 2- or 4-bolt flanges with gauge taps

Stainless steel neck ring to reduce recirculation and increase efficiency

Durable tungsten carbide motor bearings lubricated by media

Stainless steel shaft

Dynamically balanced rotor encapsulated in stainless steel

Stainless steel impeller and bearing plate for corrosion resistance and maximum efficiency

Cast-iron or bronze pump housing

Stator with built-in thermal overload switch

Drop-In Replacement
Port-to-port length matches competitors' three-piece models



BUILT TO DELIVER BETTER PERFORMANCE

- Operates at less than 40 db
- Suitable for variable frequency drive applications (*3-phase only*)
- Built-in dimensions to match installed base – no piping modifications

IN PUMP SOLUTIONS

Self-venting pump

Terminal Box

- > Multiple-speed switch for optimum performance and energy savings
- > Fiber optic indicator lights for visual inspection of operation (On/Off), rotation, and troubleshooting

Add-On Modules (More for Less!)

Increase the versatility of your pump and reduce the need for, and cost of, buying additional pumps

- > Protection Module – enables direct connection to the mains switch (standard on single-phase motors)
- > Relay Module – features direct connection to mains switch, signals output for external operating or fault indications, and operates two pumps in parallel (duty, standby, and 24-hour alternating operation)

Inspection screw

- No risk of touching electrically hot windings or rotating parts
- Both pump AND motor designed and manufactured by ONE company
- Saves energy – pump can be set to required speed rather than running at maximum
- Pump runs quietly and with NO NOISE – what a revolution!



WE ARE IN THE WATER BUSINESS WITH YOU

As a pioneer and global leader in water pump technology, Grundfos creates intelligent, sustainable solutions to help solve the world's water and climate challenges. Through our heritage, we have the experience and innovative capabilities to help our partners, customers and communities move water in an increasingly energy and water efficient manner. We see this as not only a great business opportunity, but as an obligation to ensure the world heads toward a more sustainable tomorrow. Our complete portfolio of pumps and solutions are designed for commercial, residential, groundwater, municipal and industrial applications with emphasis in trendsetting, energy efficient technologies such as permanent magnet motors and advanced pump controls and monitoring. Because water matters, and so does your business.

To learn more, visit [grundfos.us](https://www.grundfos.us) or follow us on Facebook and LinkedIn.

Visit [grundfos.us/pei](https://www.grundfos.us/pei) to learn more about Department of Energy (DOE) pump energy index (PEI) requirements and PEI ratings on specific Grundfos models.