LASTING MOVEMENT

Recirculation pumps for high-flow, low-head applications
RELIABLE RECIRCULATION

The Grundfos range of recirculation pumps is the final result of decades of engineering experience. Created to handle large flows against low head, the SRP models are equally suitable for wastewater treatment plants and flood control. Built for strength and reliability, the SRP will keep things moving — whether for steady process support or emergency relief.

SRP units come in three main variants - DN300 (~12"), DN500 (~20"), or DN800 (~32"), respectively, fitted with motors from 1.1 - 32.6 HP. The units share many features with the AMG and AFG gear-driven mixers and flowmakers, making them instantly familiar to service staff and facilitating easy maintenance. All materials are selected for strength, and every component is thoroughly tested for durability before assembly. Recent evolutions include a triple sealing system for maximum protection of the mechanical shaft seal as well as a very installation-friendly bracket.

THE SRP AT WORK

For wastewater treatment or flood control

Being designed for recirculation, these specialised pumps will handle very large flows indeed — up to 22,000 gal/min (Maximum head: 6.9 ft). They are typically seen in wastewater treatment plants or waterworks, where they help maintain a steady flow in large-scale basins. But they are also used in industrial processes — and can play a crucial part in flood control setups thanks to their ability to shift large volumes of water quickly and reliably.

Typical application areas
- Wastewater treatment plants
- Water reservoirs
- Flood control
- Industrial process control

SRP features

- Motor protection: The motor is protected against overload and overtemperature by three thermal switches or three thermistors placed in each motor winding.
- Water tight cable entry: A water tight cable entry prevents cable damage.
- Active electronic leak detector: Indicates possible liquid in the gear housing. Even the smallest quantity of liquid in the gear housing is quickly detected, allowing ample time for service before any damage is done.
- Two tapered roller bearings: The gear shaft rests on two tapered roller bearings, which accommodate both axial and radial forces.
- Planetary gear: The gear housing has a slim design for optimal hydrodynamic properties.
- Watertight cable entry point: A watertight cable entry prevents cable damage.
- Triple sealing system: Protects the mechanical shaft seal for maximum reliability and durability.

Performance overview

These performance curves should be seen as an indication of what the SRP range can do.
SEE THE BIGGER PICTURE

Grundfos is a global leader within water handling technology. Our passion is to bring you all the products you require to create and operate pump systems that combine reliability, cost-efficiency – and innovation. Our products are for use in water supply and wastewater infrastructure on any scale.

Grundfos has a full line of products and systems for the intake, treatment, and distribution of drinking water and for the transport and treatment of wastewater. We also offer expertise and industry insight that can increase reliability and reduce lifecycle costs for water utilities.

Key product areas include:

- Submersible pumps
- Surface pumps
- Sewage pumps
- Mixers, flowmakers & recirculation pumps
- Pumping stations
- Monitoring & controls
- Dosing & disinfection
- Aeration equipment

Our products are the result of decades of engineering expertise. Supported by a worldwide service network.