

Submersible and dry-installed pumps for aggressive environments

Recognised Grundfos quality means you get

- Correct choice of material for your application
- Trouble-free operation in aggressive media
- Reliable operation with less down time.

The extremely reliable and durable Grundfos SL wastewater pumps are made partly or entirely of high-grade stainless steel. These powerful pumps are built for handling wastewater, process water, seawater and unscreened raw sewage in aggressive environments that expose the pump to corrosive or abrasive liquids and fluctuating pH levels.



OPTIMAL IMPELLER CHOICE:

- **Greater Free Passage – SE1/SL1 pumps**

For applications with required high operating hours and where dry matter content is up to 3%, the S-**tube** impeller with spherical free passage up to 125 mm is perfect. the world class hydraulic efficiency that doesn't compromise free passage means better solids handling capabilities and greater non-clogging capabilities.

- **Higher dry matter content – SEV/SLV pumps**

For applications with required low operating hours and where dry matter content is over 3%, the SuperVortex impeller with spherical free passage up to 100 mm is ideal. the vortex generated in the pump housing keeps fibres or gassy sludge moving, ensuring trouble-free operation.



- **IE3 motor**

The highest standards of motor efficiency ensure substantial energy and cost savings.

- **Intelligent adaptive controls**

Auto *ADAPT* builds intelligent monitoring and controls into the pump system, ensuring tangible benefits during the operational cycle. installation and commissioning costs are reduced substantially, pump reliability is increased, and operation is with low energy consumption.

- **Integrated analogue sensors**

In addition to the standard thermal sensors in motor windings, many analogue sensor options and a digital leakage sensor offer complete monitoring of pump condition, offering you the advantage of continual surveillance, warnings and alarms.

- **Lifting handle**

The lifting handle is designed for optimum point-of-balance, ensures correct lifting and will protect the auto-coupling sealing.

- **Smooth, easy to clean surface**

The extremely robust impact-resistant surface is smooth and easily cleaned.

- **One cable to the pump**

With just one cable containing sensors and power supply, an important at-risk area is removed, simplifying pump installation, commissioning and maintenance.

- **Easy-to-remove cable entry**

The innovative and patented stainless steel cable entry ensures that liquid cannot penetrate through the cable inlet into the motor and is easy to dismantle in case of service.

- **Patented SmartSeal**

The patented Grundfos SmartSeal auto-coupling gasket provides a completely leak-proof connection between the pump and the base unit of the auto-coupling system.

- **Easy to open clamp (up to 11 kW)**

The stainless steel clamp assembly system requires no tools for the quick and easy disassembly of pump from motor unit, offers easy access for pump maintenance. the bolts used on larger pumps are easy to remove and do not require special tools.

- **Double mechanical shaft seal**

Primary and secondary seal in one cartridge unit providing longer seal lifetime and easy fail-proof replacement - even in the field. Replacement can be done without special tools.



Designed for the handling of wastewater, process water and unscreened raw sewage. The pumps can be installed submerged and / or dry.

Technical data

Motor size: 0.9 to 26.5 kW

Flow rate (Q): Maximum 304 l/s (1095 m³/h)

Head (H): Maximum 71.3 m

Liquid temperature: 0 to +40°C

Discharge diameter: DN 65 to DN 300

Free passage: Up to 160 mm

Insulation class: H

Maximum efficiency: 83,7%

Maximum system pressure: PN10

Available materials

Stainless steel impeller (SE, SL)

Stainless steel variants for standards EN 1.4408 and EN 1.4517/1.4539 (SL)

