

GRUNDFOS SL1 AND SLV RANGES

Submersible wastewater pumps 1.5 – 15 HP

THE SL PUMP: CREATED WITH YOUR SYSTEMS IN MIND

Submersible pumps for wastewater applications



BE > THINK > INNOVATE >

GRUNDFOS 

MEET THE NEW SL!

Long-lasting, service-friendly submersible wastewater pumps

The newly extended SL range is industrial design at its best. Created to optimize performance in your system, these pumps minimize risk factors, reduce maintenance requirements, and last longer.

Like any Grundfos product, SL pumps are remarkably durable. They employ innovative features – several of them unique to Grundfos – to minimize known risk factors. The SL pumps enable you to plan service visits for maximum efficiency, resulting in shorter service visits.

The SL pumps work with your system. They give you the choice – of impeller, of sensors, of speed control, etc. – that you need for the ideal pump set-up. Grundfos can give you design support for optimum results.



THE SL AT WORK

For domestic wastewater, municipal wastewater, industrial wastewater, and process water

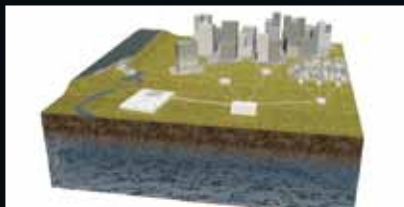
SL pumps are designed for submerged use in:

- network pumping stations
- wastewater treatment plants
- public buildings
- housing projects
- industry

SL pumps will handle:

- municipal wastewater
- wastewater with fibers
- drainage and groundwater
- industrial wastewater
- process and cooling water

For even more demanding applications, a wide range of customizing possibilities is available, e.g. casted parts in various stainless steel grades.



SL pumps can be used for alternating or continuous operation throughout the water cycle.

See examples online.



In large-scale applications, the submerged SL pumps will handle continuous operation with ease.



Installation options include submerged installation on auto-coupling with guide rails.



In smaller pumping stations, alternating SL pumps meet peak demands while ensuring efficient operation overall.

SL PUMP FEATURES

– and what they do for you



Moisture-proof plug

A two-component sealant filling the plug prevents moisture from entering the motor via the cable core.



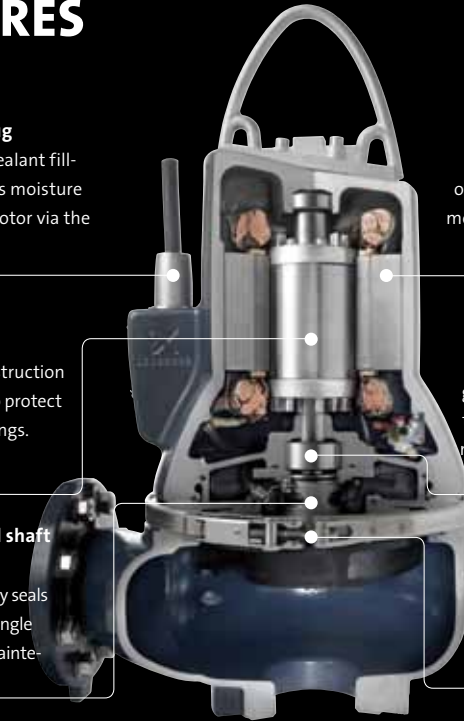
Short rotor shaft

Compact motor construction reduces vibrations to protect shaft seals and bearings.



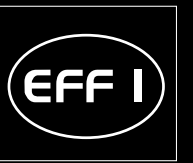
Double mechanical shaft seal

Primary and secondary seals are combined into a single cartridge to reduce maintenance time.



Eff1-type motor

SL models have motors based on Eff1 components, improving motor efficiency and prolonging pump life.



Many sensor options

SL models are available w/ integrated analogue sensors, motor temperature, water in the intermediate oil chamber, and motor insulation resistance.

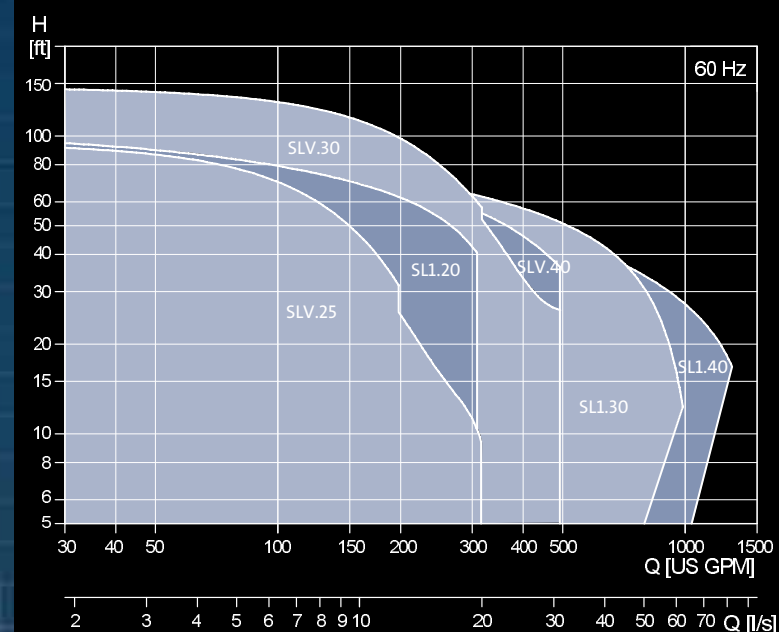


Easy-to-open clamp

Easy access for pump maintenance. Enables 180° rotation of the motor positioning.



Performance overview



SuperVortex impeller

SuperVortex impeller pumps (SLV) are available for free passage of solids up to 4" / 100 mm. Ideal for liquids with high content of solids, fibers, or gassy sludge.



Channel impeller

Channel impeller pumps (SL1) are available for free passage of solids up to 4" / 100 mm. Ideal for large flows of raw sewage.



The entire range is available in explosion-proof versions. All SL1 and SLV models with motors from 1.5 HP to 15 HP are provided with a Class 1, Division 1, Groups C and D T4 and T3 explosion-protection classification according to UL 778 C22.2 No. 108 and FM 3600, FM3615 and FM3615.80.

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.

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