#### **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



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**BE THINK INNOVATE** 

### **MEET THE NEW SL!**

Long-lasting, service-friendly submersible wastewater pumps

*The newly extended SL range is industrial* The SL pumps work with your system. They design at its best. Created to optimize give you the choice – of impeller, of sensors, performance in your system, these pumps minimize risk factors, reduce maintenance ideal pump set-up. Grundfos can 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.

of speed control, etc. – that you need for the 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.



nstallation options nclude submerged instalation on auto-coupling with guide rails.





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







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



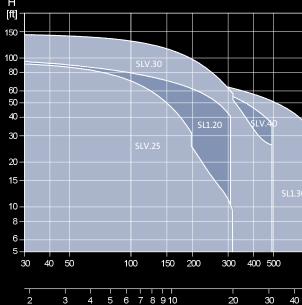
Short rotor shaft Compact motor construction reduces vibrations to protect shaft seals and bearings.

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Double mechanical shaft seal Primary and secondary seals are combined into a single cartridge to reduce maintenance time

#### **Performance overview**





# 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/ inte grated analogue sensors, motor nperature, water in the inter ate oil chamber, and motor insulation resistance



Easy-to-open clamp Easy access for pump maintenance. Enables 180° rotation of the motor positioning.



#### SuperVortex impeller

60 Hz 1000 1500 Q IUS GPIVII 30 40 50 60 70 Q [/s] 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:



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

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