

Sewage and raw water pumps 1.65 to 520 kW

The S range from Grundfos consists of submersible sewage pumps available in a wide range of models and motor sizes. These robust, reliable pumps are designed to handle unscreened raw sewage as well as large quantities of raw water in wastewater/water infrastructure and industrial applications everywhere.

Grundfos S pumps are constructed to give you years of trouble-free service under the most demanding operating conditions. Depending on model, the pumps are available with a highly efficient channel impeller or the unique Grundfos SuperVortex impeller. All models can be installed submerged. Dry installation is possible when the pump is fitted with a cooling jacket.

Unique benefits

Permanent peak efficiency

Sophisticated technology makes the S pumps very efficient and dependable. The SmartTrim feature, for example, lets you maintain peak performance.

Less maintenance time

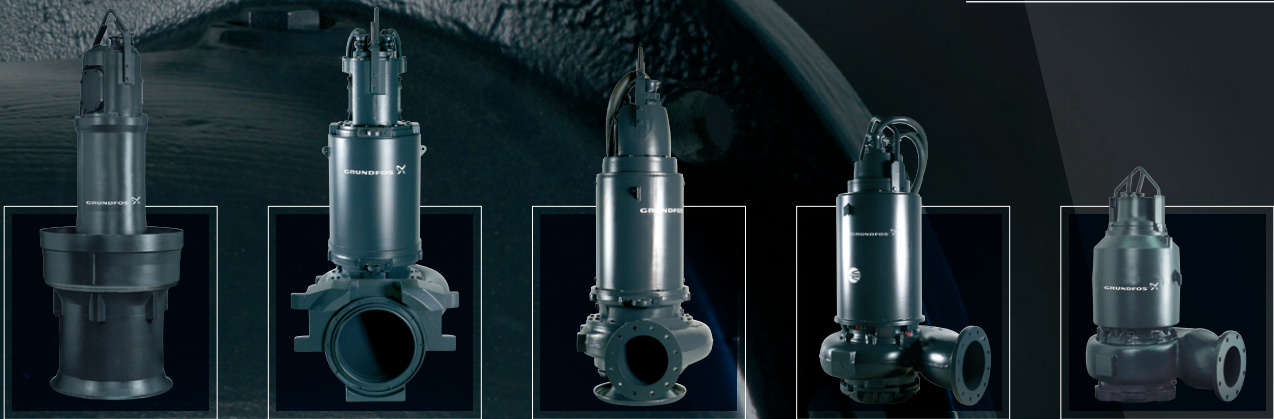
Excellent solids handling minimises downtime and substantially reduces maintenance costs associated with pump jamming or clogging.

Early detection of maintenance needs

The S range offers a variety of different sensors for monitoring conditions in the pump. This allows for early detection of developing faults, avoids costly breakdowns and substantially reduces operating costs.

Lifelong reliability

S pumps are strongly built and designed for continuous pumping under the most difficult operating conditions.

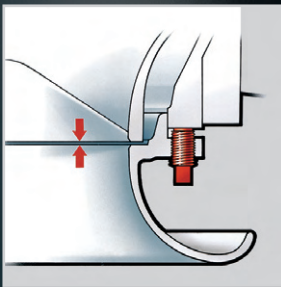


GRUNDFOS S PUMP RANGES 34-78

Advanced technology – inside out

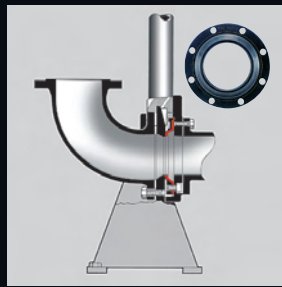
The S pumps are designed for continuous operation, day in and day out. The well-proven construction reflects our long experience from four decades in the wastewater business.

The pumps are suitable for submerged installation on an auto-coupling system, for dry installation vertically or horizontally, or for free-standing submerged installation.



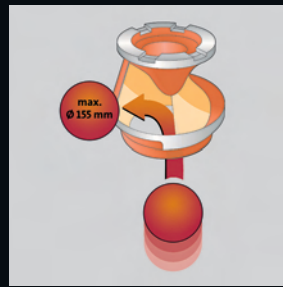
SmartTrim impeller adjustment

The Grundfos-patented SmartTrim impeller adjustment system lets you maintain the factory-set impeller clearance at all times simply by tightening the adjustment screws on the exterior of the pump housing. This can be done on-site without dismantling the pump.



Leak-proof flange connection

The Grundfos SmartSeal auto-coupling gasket mounted on the pump discharge flange gives you a completely leak-proof connection between the pump and the base unit of the auto-coupling system.



Channel impeller

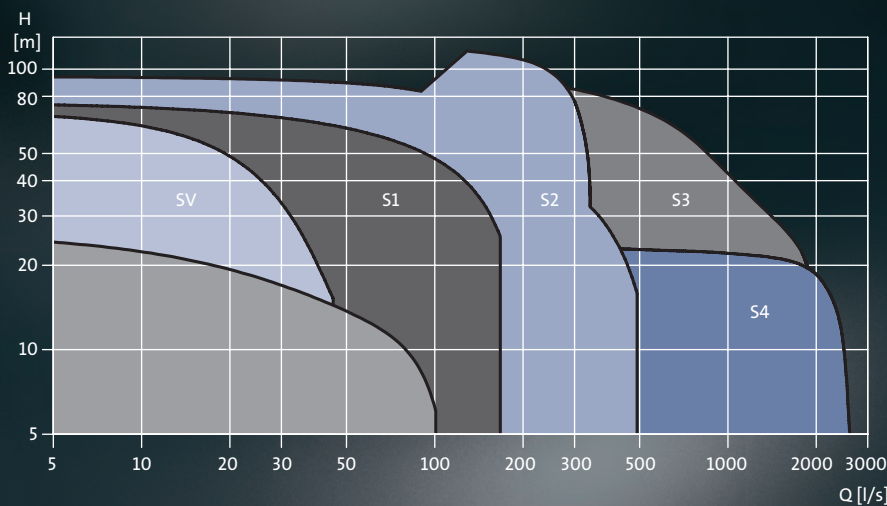
S pumps with channel impellers are ideal for large flows of raw, unscreened sewage. Depending on the model, these channel-impeller pumps are capable of handling solids up to 155 mm. The result is less clogging and increased pumping efficiency.



SuperVortex impeller

For liquids containing large quantities of solids or fibres, or gassy sludge, S pumps fitted with a SuperVortex impeller are ideal. Available in motor sizes up to 29 kW, the Grundfos SuperVortex-impeller pumps allow for free passage of solids of up to 100 mm.

Performance overview



Range	Max motor size [kW]
34	=> 3.2
42	=> 5.2
50	=> 13
54	=> 21
58	=> 29
62	=> 50
66	=> 68
70	=> 155
72	=> 225
74	=> 315
78	=> 520