Grinder Pumps

Grundfos SEG

The Grundfos SEG range of grinder pumps are specifically designed for pumping effluent and untreated sewage in small communities or sparsely populated areas with no sewer systems or areas where gravitation systems are unsuitable. The high discharge pressure enables transfer of effluents and sewage over longer distances to the public sewer or sewage treatment plan. Designed to reduce energy consumption and to keep downtime costs to a minimum, while maintaining peak performance throughout the lifetime of the system, the SEG combines dependability, efficiency and cost-effectiveness.

Key Features and Benefits

- Cartridge shaft seal system, together with the polyurethane-sealed cable plug system, prevent liquid from penetrating into the motor
- Compact construction with short shaft outside bearings, ensures less stress on bearings and, consequently, longer lifetime
- Double mechanical cartridge shaft seal system provides longer operating time and less downtime—easy to replace in the field without use of special tools
- Feet on the pump housing facilitate suction for freestanding installation
- Unique clamp system enables quick and easy dismantling of pump and motor unit and enables 180° rotation of motor housing
- Specially designed lifting handle ensures correct lifting regardless of installation or motor positioning
- Built-in thermal switches in the motor windings provide protection against overheating, ensuring a long lifetime
- Leakage detection for protection against water intrusions in case of component failure
- Patented grinder system ensures extremely high efficiency and reliable operation with quick and easy dismantling for replacement of wear parts
- Patented SmartTrim system enables quick and easy impeller clearance adjustment, without dismantling the pump, in order to maintain peak performance

Applications

- Wastewater treatment
- Commercial wastewater
- Municipal wastewater
- Industrial wastewater

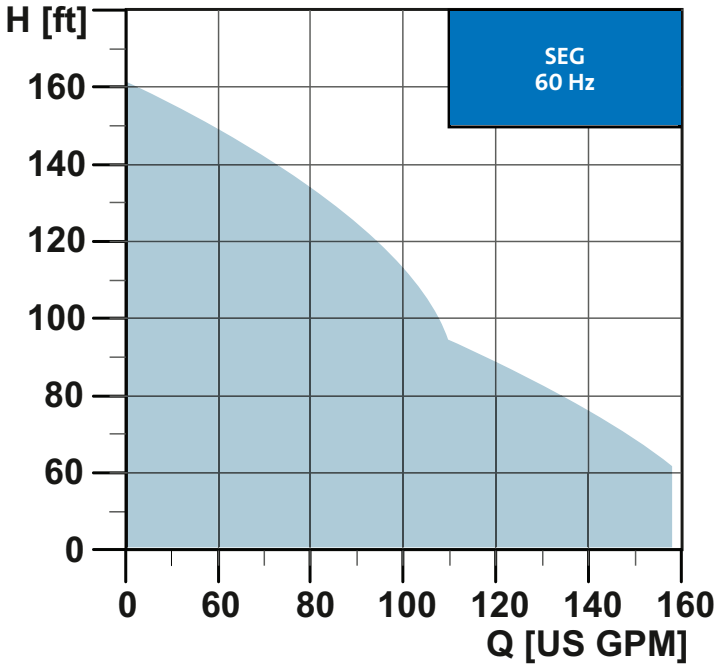
GRUNDFOS

Possibility in every drop

Technical Data

SEG	
Flow, Q:	max. 160 gpm
Head, H:	max. 160 ft tdh
Liquid Temperature:	max. 104°F
Working Pressure:	90+ psi
Motor size:	2 hp, 3 hp, 4 hp, 5.5 hp

Performance Data



Visit grundfos.us/pei to learn more about Department of Energy (DOE) pump energy index (PEI) requirements and PEI ratings on specific Grundfos models.

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