

# OPTIMIZED SOLUTIONS FOR **MUNICIPALITIES**

Innovative pumps and systems  
for water supply and  
wastewater challenges

# PIONEERING THE FUTURE OF WATER & WASTEWATER SOLUTIONS

Grundfos water and wastewater pumps are unmatched in their efficiency and reliability, so our partners in municipalities can best serve their communities, and everyone can rest a little easier. The need for pumps is essential. But at Grundfos, we design and build more than pumps. We create intelligent systems, controls and monitoring solutions to meet America's water needs today and in the future.

For more information: [www.grundfos.us/wu](http://www.grundfos.us/wu)

Because water matters, and so does your business.

As a company we will contribute by:



Cutting our water consumption in half by 2025



Providing safe drinking water to 300 million people in need by 2030



Becoming climate positive by 2030



BECAUSE  
**WATER  
MATTERS**



THE NEED FOR **WASTEWATER  
INFRASTRUCTURE** EXCEEDS  
**\$271 BILLION**  
IN THE UNITED STATES



IT'S PROJECTED THAT IN **2025**  
**50%** OF THE WORLD'S  
POPULATION WILL  
RESIDE IN **WATER-STRESSED AREAS**



GLOBALLY, IT IS LIKELY THAT OVER  
**80%** OF **WASTEWATER**  
IS RELEASED INTO  
THE ENVIRONMENT **WITHOUT**  
**ADEQUATE TREATMENT**



BY SWITCHING EVERY PUMP TO AN  
**EFFICIENT ONE** THE WORLD WOULD SAVE:  
**528 BILLION**  
**GALLONS OF WATER**  
**5%** OF **GLOBAL ELECTRICITY**  
CONSUMPTION

# NO COMPROMISE INDUSTRY LEADING EFFICIENCY

## GRUNDFOS SL/SE PUMP RANGE

The toughest wastewater applications demand a robust pump that brings together reliability, efficiency and intelligent controls. With the SL/SE range, Grundfos answers this need and offers the industry's best performing pumps for dry and submerged applications. Optimum wire-to-water efficiency means you benefit from low life-cycle costs while enjoying the trouble-free operation of this innovative design, because today's challenges demand pumps without compromise.

### S-Tube® IMPELLER DESIGN

S-Tube impellers offer world-class hydraulic efficiencies without compromising free passage.



## GRUNDFOS ENGINEERED SYSTEMS

With no two projects exactly the same, you deserve a pumping solution as unique as your project. At Grundfos, we leverage our experience and pumping expertise to design and engineer your perfect fit, plug-and-pump Grundfos Engineered System (GES).

Systems begin with any number and combination of Grundfos pumps to best suit the operating conditions. Then, controls and monitoring components are integrated. All GES packages are constructed on a steel base and can be enclosed in a fiberglass or steel structure. GES packages arrive on site pre-wired, pre-piped and pre-commissioned, eliminating the scheduling challenges and cost overruns of a site-built system.





# WATER TREATMENT AND DISTRIBUTION

## BOOSTING PUMPS & SYSTEMS



### BM, BMS

Booster module with directly coupled pump and variable frequency drive



### CM, CME

Non-self-priming, horizontal, multistage, endsuction centrifugal pumps with magnetic drive



### CR, CRE

Vertical inline multistage pumps offering industry-leading performance, efficiency and reliability



### CR-H, CRN-H, CRE-H, CRNE-H

Inline multistage pumps for an ANSI dimensional solution



### Hydro MPC BoosterpaQ

Our premier fully integrated pre-engineered packaged pumping system with advanced control capability and energy efficient vertical inline multistage pumps



### Grundfos Engineered Systems

Complete, custom plug-and-pump systems solutions designed to include any combination of Grundfos pumps, motors, controls and monitoring equipment on a steel base or in a custom enclosure

## INLINE PUMPS



### VL, VLSE, VLSC

Space-saving inline pumps with integrated motor, variable frequency drive and control with Grundfos sensor technology



### VSM, VSMS

Space-saving vertical space miser pumps available close coupled or axially split

## DOSING PUMPS & SYSTEMS



### DME

Dosing pumps that combine perfect precision with user-friendliness for large dosing quantities from 15.9 to 248gph



### Digital Dosing

Chemical process solutions for disinfection, flocculation, pH correction and water conditioning



### DMX

Mechanical diaphragm metering pumps



### Dosing Skid System

Complete chemical-feed packaged systems featuring the latest technology from Grundfos Dosing



### Dosing Tank Station

For storing and dosing chemicals, with many configuration options that can be selected and applied to fulfill various dosing tasks



### OXIPERM PRO

Chlorine dioxide production systems for fighting Legionella and other germs in drinking water

## SPLIT-CASE PUMPS



### KPV, KPVS

The innovative hydraulic design, ease of maintenance, low life-cycle cost, and energy efficiency of vertical split case assures maximum benefits for the user in a small footprint



### KP

The innovative hydraulic design, ease of maintenance, low life-cycle cost, and energy efficiency of horizontal split case assures maximum benefits for the user

## END-SUCTION PUMPS



### LCS, LCSE

Compact single stage, end suction, split coupled pump with integrated Grundfos MLE motor, drive and control



### LF, LFE

Frame mounted end suction pumps available with integrated MLE variable speed motor to optimize energy efficiency

## MIXERS



### SMD, SMG, SFG

Mixers and flowmakers prevent sedimentation and support processes in a variety of applications

## CONTROLS & MONITORING



### GRM

Secure, internet-based remote management system for monitoring and managing pump installations



### CU362

The CU362 is the 'brains' of the Dedicated Controls system and is used with Grundfos wastewater pumps such as the S, SL, SE, and SEG

# EDUCATION ON DEMAND WITH GRUNDFOS TECHNICAL INSTITUTE

Register with Grundfos Technical Institute (GTI) for a wide variety of technical training at a time that's right for you. Visit [grundfos.us/training](https://grundfos.us/training) for a wealth of content, including:

- Self-paced online courses, webinars and face-to-face classes
- YouTube library of How-To pump application videos
- CEU or PDH qualifying credits on most courses
- 24/7 accessibility from any device





# WASTEWATER TRANSPORT AND TREATMENT

## SUBMERSIBLE PUMPS



### SEG

Submersible grinder pump for pumping effluent and sewage in small communities or areas without sewer systems



### SL

Submersible pumps designed to handle sewage, effluent and large volumes of surface and process water



### SE

Pumps designed to handle sewage, effluent and large volumes of surface and process water in dry and submerged applications



### S

Designed for pumping raw water, unscreened raw sewage, water containing sludge and industrial effluent

## PROPELLER PUMPS



### KPL, KMW

Axial and mixed flow propeller pump

## MIXERS



### SRG

Created to handle large flows against low head



### SMD, SMG, SFG

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Secure, internet-based remote management system for monitoring and managing pump installations



### CU362

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### LC231/241

Part of the Grundfos range of controls, PLCs and VFDs, this controller, featuring bluetooth connectivity, is ideal for emptying and filling related to small wastewater transport and tank-filling applications

## DOSING PUMPS



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Dosing pumps that combine perfect precision with user-friendliness for large dosing quantities from 15.9 to 248gph



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### DMX

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### Dosing Tank Station

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## ADDITIONAL SOLUTIONS



### CM, CME

Non-self-priming, horizontal, multistage, endsuction centrifugal pumps with magnetic drive



### CR, CRE

Vertical inline multistage pumps offering industry-leading performance, efficiency and reliability



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### Grundfos Engineered Systems

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## GRUNDFOS EXPRESS

Select, configure and quote engineered pumps or systems in a few easy clicks through the Grundfos Express selection tool. Just enter your customers' equipment requirements and find details on matching products, including:

- Specs and performance data
- Submittal documents
- Pump schedules

Plus, you can save your inputs in the project portal for future use. [grundfos.us/express](https://grundfos.us/express)

#### WE ARE IN THE WATER BUSINESS WITH YOU

As a pioneer and global leader in water pump technology, Grundfos creates intelligent, sustainable solutions to help solve the world's water and climate challenges. Through our heritage, we have the experience and innovative capabilities to help our partners, customers and communities move water in an increasingly energy and water efficient manner. We see this as not only a great business opportunity, but as an obligation to ensure the world heads toward a more sustainable tomorrow. Our complete portfolio of pumps and solutions are designed for commercial, residential, groundwater, municipal and industrial applications with emphasis in trendsetting, energy efficient technologies such as permanent magnet motors and advanced pump controls and monitoring. Because water matters, and so does your business.

To learn more, visit [grundfos.us](http://grundfos.us) or follow us on Facebook and LinkedIn.

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