

# OPTIMIZED WATER SOLUTIONS

Pumps and systems for today's  
water supply and wastewater  
challenges

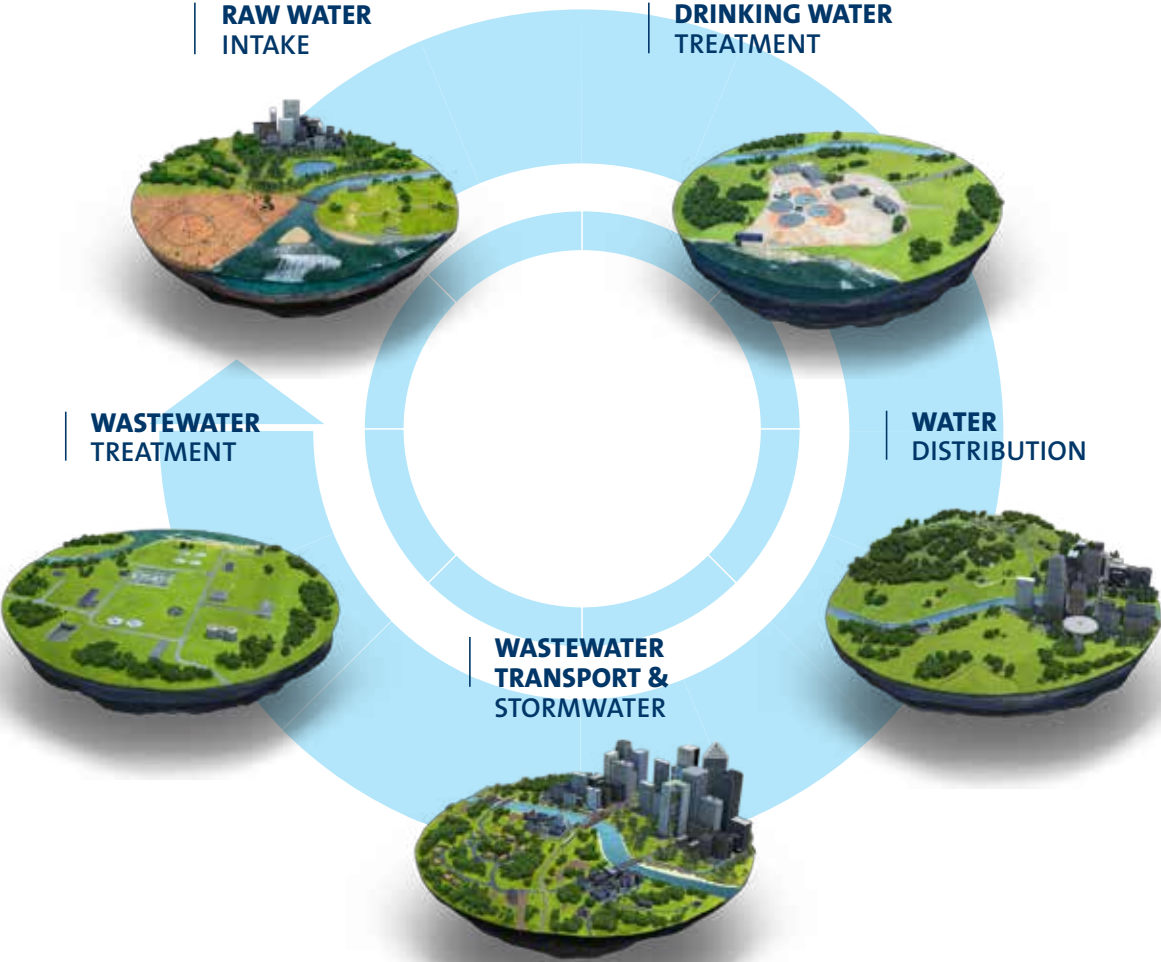
be  
think  
innovate

GRUNDFOS 

# OPTIMIZED SOLUTIONS FOR THE ENTIRE WATER CYCLE

Grundfos and its legacy brands provide a comprehensive range of optimized solutions for the North American Water Utility industry. From raw water intake and drinking water treatment to water distribution, stormwater and wastewater treatment, Grundfos is a full-line supplier of reliable products and robust service offerings for each application within the water cycle.

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



# PUMPS AND PRODUCTS FOR EVERY APPLICATION



## RAW WATER INTAKE

- APPLICATIONS:
- Groundwater
  - Renewable intake
  - Seawater
  - Rivers & lakes
  - Recycled water

- PRODUCTS:
- Dosing & disinfection
  - Submersible well pumps
  - Split case pumps
  - Controls & monitoring



## DRINKING WATER TREATMENT

- APPLICATIONS:
- Chemical treatment
  - Desalination
  - Water reservoirs
  - Disinfection
  - Sedimentation
  - Filtration & backwash
  - Flocculation & aeration

- PRODUCTS:
- Boosting pumps
  - Dosing & disinfection
  - End suction pumps
  - Inline pumps
  - Pump systems
  - Split case pumps
  - Mixers & flowmakers
  - Controls & monitoring



## WATER DISTRIBUTION

- APPLICATIONS:
- Distribution
  - Local stations
  - Water towers
  - Boosting

- PRODUCTS:
- Boosting pumps
  - Dosing & disinfection
  - End suction pumps
  - Pump systems
  - Split case pumps
  - Inline pumps
  - Vertical turbine pumps
  - Controls & monitoring



## WASTEWATER TRANSPORT & STORMWATER

- APPLICATIONS:
- Network pumping stations
  - Lift stations
  - Wastewater discharge
  - Road drainage
  - Stormwater retention
  - Flood control

- PRODUCTS:
- Sewage pumps
  - Pump systems
  - Mixers & flowmakers
  - Controls & monitoring



## WASTEWATER TREATMENT

- APPLICATIONS:
- Inlet
  - Primary treatment
  - Chemical treatment
  - Biological treatment
  - Tertiary treatment
  - Sludge treatment
  - Equalization

- PRODUCTS:
- Boosting pumps
  - Dosing & disinfection
  - Sewage pumps
  - Pump systems
  - Vertical turbine pumps
  - Mixers & flowmakers
  - Controls & monitoring



# OVERVIEW OF APPLICATIONS



## RAW WATER INTAKE

### SP, SPE

Submersible pumps renowned for high efficiency and reliability



### Peerless AE

Single stage, double suction pumps available in 42 hydraulic configurations and 25 pump sizes



### TU, TUT

Multi-stage, single suction, horizontal pumps



### GRM

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

### SQE-NE

Submersible well pumps for 3-inch and larger wells

### VT

Highly efficient vertical turbine pump provides a wide range of hydraulic and mechanical coverage; offered in numerous material and designs

### KPV

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

### KP

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



## DRINKING WATER TREATMENT



### 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



### OXIPERM PRO

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



### Dosing Skid System

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



### DMX

Mechanical diaphragm metering pumps



### Dosing Tank Station

Intended for storing and dosing liquid chemicals. Many different configurations can be selected and applied flexibly to fulfill various dosing tasks



### DDI

Provides digital dosing from 0.019 up to 39.6 gph with real setting of the flow rate



### CR, CRE

Energy efficient vertical inline multi-stage pumps



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

All the benefits of the renowned Grundfos CR for an ANSI dimensional solution



### BMS

Booster module with directly coupled pump and variable frequency drive



### CM, CME

Non-self-priming, horizontal, multistage, end-suction centrifugal pumps



### VL, VLSE, VLSC

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



### KPV

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



### VSM, VSMS

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



### LCS, LCSE

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



### LF, LFE

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



### Peerless F/C

General purpose, frame mounted, end suction pumps flexibly coupled to drivers and equipped with coupling guards



### Peerless 8175

Heavy-duty industrial paperstock slurry pumps



### KP

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### Peerless AE

Single stage, double suction pumps available in 42 hydraulic configurations and 25 pump sizes



### TU, TUT

Multi-stage, single suction, horizontal pumps



### Hydro MPC BoosterpaQ

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



### SMD, SMG, SFG

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



### GRM

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



## GRUNDFOS GO

The Grundfos GO Remote gives you intuitive handheld pump control and full access to the Grundfos online tools on the go. So get ready to save valuable time on pump control, data collection and reporting with the most comprehensive mobile platform on the market.

- Full control over pump performance
- Easy-to-access information and assistance
- Greater connectivity 24/7

# OVERVIEW OF APPLICATIONS



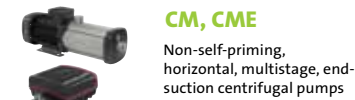
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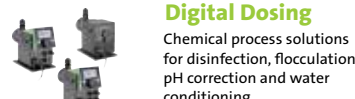
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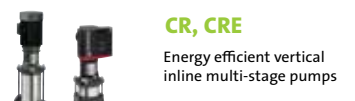
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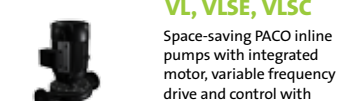
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**Digital Dosing**  
Chemical process solutions for disinfection, flocculation, pH correction and water conditioning



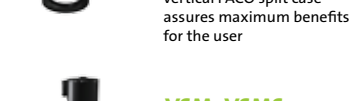
**CR, CRE**  
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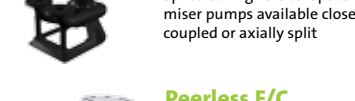
**VL, VLSE, VLSC**  
Space-saving PACO inline pumps with integrated motor, variable frequency drive and control with Grundfos sensor technology



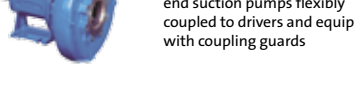
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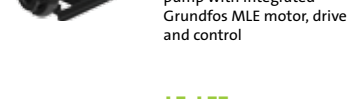
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**GRM**  
Secure, internet-based remote management system for monitoring and managing pump installations



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



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



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



**Yeomans Series 9100, Chicago 2152**  
Submersible solids-handling wastewater pumps



**Yeomans 9235, Chicago 2235**  
Dry-pit submersible solids-handling wastewater pumps



**KPL, KMW**  
Axial and mixed flow propeller pumps



**Yeomans 6000, Chicago 2111 & 2110**  
Dry-pit solids-handling wastewater pumps



**Morris 7100**  
Large dry-pit, solids-handling pumps used for sewage, wastewater, raw water and light slurry applications



**Sewer Chewer**  
Wastewater and sludge grinder featuring state-of-the-art twin-shaft design



**Packaged Lift Station**  
Single supplier solution for collection and transfer of wastewater includes polyethylene pump pit, pumps, piping, floats and controls



**SMD, SMG, SFG**  
Mixers and flowmakers prevent sedimentation and support processes in a variety of applications



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



**Dedicated Controls**  
Advanced controller for up to 6 pumps for wastewater pumping stations



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**GRUNDFOS PRODUCT CENTER**  
[www.product-selection.grundfos.com](http://www.product-selection.grundfos.com)

- Online sizing tool for quick pump selection and CAD drawings
- Easy-to-use service information on each pump
- Instant access to saved items, including complete projects
- Optimized for mobile devices

# GRUNDFOS TECHNICAL INSTITUTE

The Grundfos Technical Institute (GTI) offers busy professionals the opportunity to maintain their continuing education credits through a wide variety of flexible learning avenues.

Visit [www.grundfos.us/training](http://www.grundfos.us/training), to choose from a number of education possibilities that suit your needs and schedule, including face-to-face classes, group webinars and self-directed online courses.

**GRUNDFOS** 



## BEYOND THE PUMP

Grundfos and its legacy brands provide a comprehensive range of customizable solutions and a holistic approach to commercial buildings. Grundfos has served North America for more than 40 years, flourishing from one small factory in Fresno, Calif., to 17 manufacturing, logistics, sales and service facilities throughout the region. Together, Grundfos, Paco, Peerless, Yeomans, Sewer Chewer and Morris provide a complete portfolio of products for the North American Water Utility market.