# SUSTAINABLE **HOMES** COMFORTABLE **LIVES**

## Grundfos water solutions that ensure high performance in residential applications

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GRUNDFOS

# **RESIDENTIAL** SOLUTIONS

Grundfos offers a comprehensive range of customizable solutions that boost performance and reduce energy consumption in and around the home. From heating and hot water recirculation to boosting, Grundfos takes a holistic approach to residential buildings. Our integrated pumps, variable frequency drives, control units, communication modules and remote monitoring systems adapt to changes immediately, making Grundfos the intelligent choice for all application areas within the home.

## HEATING

Grundfos offers a full line of maintenance-free circulators for moving hot water from the boiler to heating devices. Energy-efficient options feature a permanent magnet motor capable of saving up to 80 percent of energy consumption when compared with conventional circulators.

## PRESSURE BOOSTING

Grundfos' versatile range provides a constant supply of fresh water for indoor and outdoor water supply, pressure boosting, rainwater harvesting and garden irrigation. Grundfos pressure boosting solutions ensure high efficiency, low energy consumption and maximum comfort.

## WASTEWATER

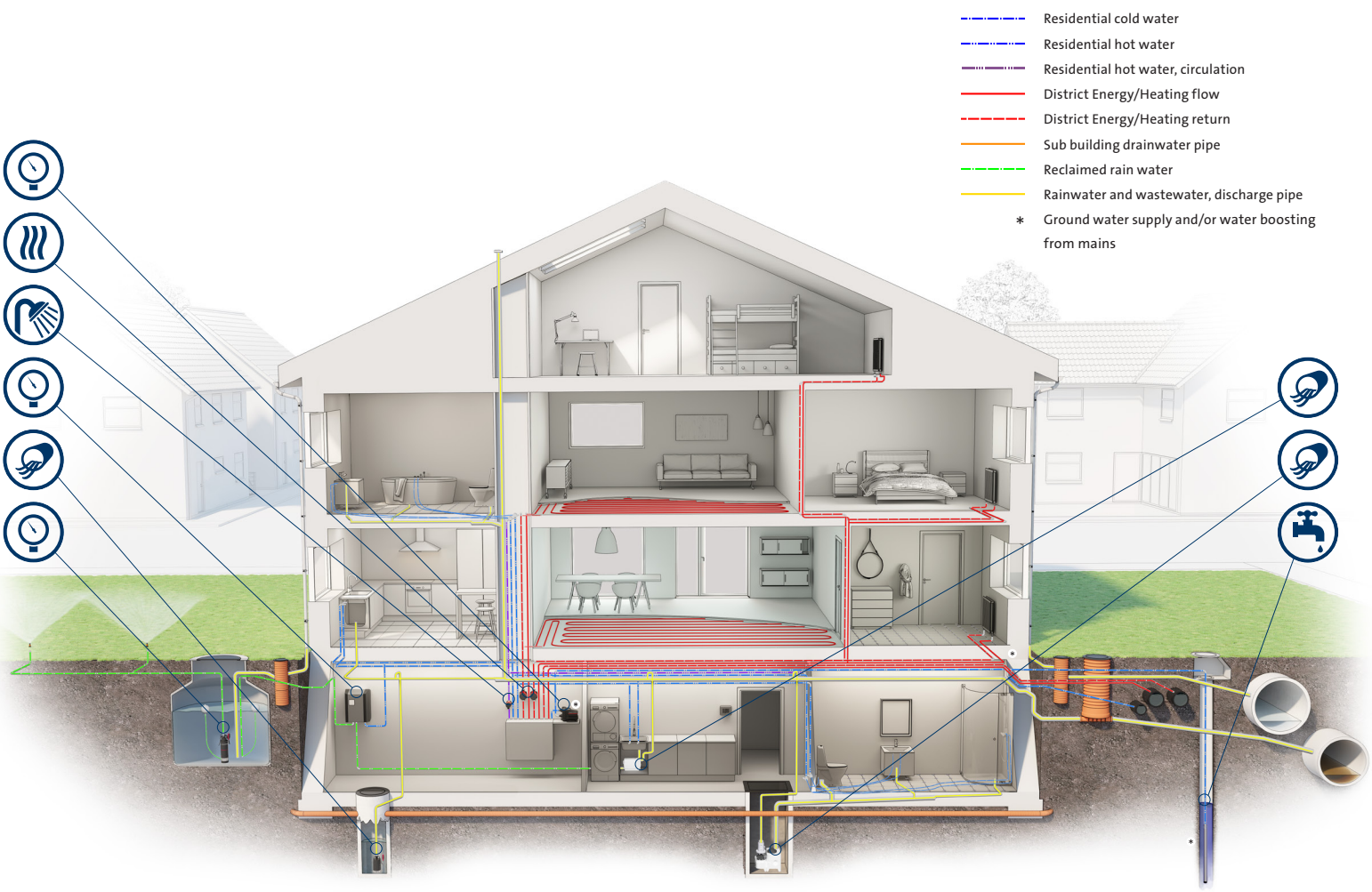
Grundfos wastewater solutions build on decades of expertise, allowing us to balance performance, reliability, cost efficiency and serviceability. Grundfos can design the entire system or provide high-quality components.

## HOT WATER

Available for both new home construction as well as retrofit projects, Grundfos hot water recirculation solutions eliminate the wait for hot water at showerheads and sink taps, preventing thousands of gallons of water from flowing down the drain as it warms.

## GROUND WATER

Grundfos offers a full range of products from jet pumps and traditional 4" submersibles to our advanced 3" SQE with constant pressure capabilities.




# PUMPS AND PRODUCTS
## FOR EVERY HOME

### GIVE YOUR CUSTOMERS RESIDENTIAL WATER SOLUTIONS THAT ENSURE HIGH PERFORMANCE IN HOMES.

Residential heating, hot water recirculation, pressure boosting, water supply, wastewater, and rainwater harvesting. With Grundfos, you get a complete range of reliable, energy efficient water solutions that cover all homeowner needs. Grundfos solutions are easy to select, install and operate, and you get the job done right the first time.

# APPLICATION OVERVIEW

## HEATING

### CIRCULATORS

#### ALPHA1, ALPHA2
Small circulator pumps that automatically analyze the heating system, find the optimum setting and continue to adjust its operation to changes in demand

#### UP, UPS
Wet rotor circulators, specifically designed for heating and cooling system

#### MAGNA1, MAGNA3
Broad range of small, medium and large circulator pumps fitted with communication equipment and motors with electronic speed control based on permanent magnet technology

#### TP, TPE, TPE3
Plug-and-pump in-line circulator pumps designed for a wide range of heating and cooling applications

### HEATING ACCESSORIES

#### UPZC
Single and multiple-zone controls for zone pumps and zone valves

#### UPZV
Incorporates the latest in robust motor and gearing technology, ensuring long life and quiet operation

## PRESSURE BOOSTING

### BOOSTER PUMPS

#### SCALA1, SCALA2
All-in-one integrated self-priming pressure boosters designed for domestic use and ensure a constant supply of clean water to households, gardens and light commercial applications

#### CMBE
Commercial-grade yet compact constant pressure booster pump

#### CM, CME
Efficient variable-speed end suction-type multistage pump

#### SB, SBA
All-in-one clean water submersible pump is designed for use in domestic applications and especially suitable for rainwater applications and wells

#### JP
Self-priming, single-stage shallow well jet pumps designed for pressure boosting from tanks and wells in residential, agricultural and light commercial applications

### PUMP SYSTEMS

#### Hydro Multi-B
A unique combination of efficient variable-speed end suction-type multistage pumps and easy-to-use user interface

#### Hydro Multi-E
Fully integrated pre-engineered packaged pumping system with control capability through an integrated VFD and energy efficient vertical inline multi-stage pumps

HOT **WATER**

GROUND **WATER**

**WASTEWATER**

## CIRCULATORS

### UP 10-16

Energy-efficient hot water recirculation pump with low-noise permanent magnet motor

### Comfort System

Hot water recirculation system that eliminates cold water runoff at the faucet using a bypass valve and pump with a timer to control water flow

### ALPHA SS, ALPHA HWR

Enhanced circulators with ECM motor design for larger operating capacities and tankless systems. The ALPHA 15-55 HWR-T delivers hot water in homes using a wireless temperature sensor that functions like an aquastat

### UPS SS

Hygienic, stainless steel wet rotor circulators

### MAGNA SS

Full range of intelligent circulators available in stainless steel for larger hot water recirculation systems

### TP, TPE, TPE3 BRONZE and SS

Direct coupled circulators with both bronze and stainless steel body

## SUBMERSIBLE PUMPS

### SP

Submersible pumps renowned for high efficiency and reliability

### SQ, SQE

Submersible pumps designed to fit in wells three inches or larger with built in dry-run protection.

### SQ Flex

Environmentally-friendly water supply system fitted with a permanent magnet motor that is powered from a wide range of supply options

## CONTROLS & MONITORING

### CU 301

Easy-to-use controller for operating the SQE pump in constant pressure mode.

## SUMP, SEWAGE & EFFLUENT PUMPS

### Unilift AP

Single-stage submersible wastewater pumps

### Unilift KP

Single-stage drainage pump with semi-open impeller, designed for the pumping of drain water and grey wastewater

## GRUNDFOS **SELECTION TOOLS**

Need to configure, size or select a product? From performance data to submittal documents and everything in between, Grundfos can help you find the perfect-fit pumping solution. To learn more about our selection tools for standard pumps and systems, digital dosing and engineered-to-order solutions, visit: **grundfos.us/select**

# HEATING

Grundfos offers a full line of maintenance-free circulators for moving hot water from the boiler to heating devices. Energy-efficient options feature a permanent magnet motor capable of saving up to 80 percent of energy consumption when compared with conventional circulators.

**BENEFITS OF GRUNDFOS HEATING PRODUCTS:**

- Easy to install, operate, and maintain
- Energy saving potential up to 85% of costs or more
- Easy integration into Building Management Systems
- Reliable, quality-built products
- Wide range of models in both cast iron and stainless steel

**Visit grundfoscrossreference.com for pump options**

# HOT WATER RECIRCULATION

Available for both new home construction as well as retrofit projects, Grundfos hot water recirculation solutions eliminate the wait for hot water at showerheads and sink taps, preventing thousands of gallons of water from flowing down the drain as it warms.

**BENEFITS OF HOT WATER RECIRCULATION PRODUCTS:**

- Easy to install, operate, and maintain
- Reliable, quality-built products
- Comfort and convenience of hot water right away
- Reduces water waste
- Saves money on water bills

**Visit youtube.com/GrundfosUSA to learn more about our products**

# PRESSURE BOOSTING

Grundfos' range of booster pumps offer a variety of water pressure solutions, from a basic and reliable solution to intelligent pump control that will automatically adapt to varying inlet pressure and overall water consumption in the home. So, you can ensure optimal comfort for your customers with the pump that best suits their needs.

**BENEFITS OF PRESSURE BOOSTING:**

- All-in-one boosters that include pump, motor, tank, pressure & flow sensor, controller and check valve
- Plug-and-pump design for reduced installation time
- Easy to install, operate, and maintain
- Compact and designed to last
- All components – pump, VFD motor, connections, and accessories – come from one supplier, which streamlines ordering and maintenance

## 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** 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

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** or follow us on Facebook and LinkedIn.

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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