



The new Grundfos TPE3 in-line pump

**Intelligence and efficiency  
that elevates your  
net-zero journey**

**GRUNDFOS** 

Possibility in every drop





# Step into a greener future with Grundfos TPE3

From circular-focused product design to full transparency about environmental impact, our solutions are built to support your sustainability ambitions from day one. By integrating Environmental Life Cycle Assessments (LCAs) and Product Declarations (EPDs) into our development process, we ensure you have the insights needed to confidently advance your net-zero journey.

The Grundfos TPE3 builds on the strengths of the existing Grundfos TPE3 to deliver an expanded, uniform range that now goes from 0.25 kW to 22 kW with the highest possible efficiency. Designed for applications like HVAC and water systems in modern buildings and district energy setups, the Grundfos TPE3 is an intelligent in-line pump that sets new standards in energy efficiency, performance, and simplicity. It is engineered to elevate your sustainability journey by maximising output while minimising carbon emissions.

Equipped with improved hydraulics, digital connectivity, and an IES-rated MGE motor, the Grundfos TPE3 delivers unmatched energy efficiency and smarter system management. Its compact, user-friendly design ensures seamless installation and operation while minimising energy waste.

Built-in sensors and advanced controls enable real-time operational adjustments, ensuring optimal performance, reliability, and longevity. This adaptability makes the Grundfos TPE3 an indispensable part of responsible system management – striking the perfect balance between efficiency and durability to meet today's demands and prepare for tomorrow's challenges.





# Unmatched energy efficiency up to 22 kW

## Reducing emissions, reducing costs

With ambitious 2030 and 2050 sustainability targets, the demand for energy-efficient solutions is growing. The Grundfos TPE3 is engineered to meet these demands head-on.

By replacing traditional fixed-speed pumps in an in-line pump solution with the Grundfos TPE3, energy consumption can be reduced by up to 50%.<sup>1</sup> This is made possible by the built-in IE5-rated MGE motor, with improved hydraulic efficiency and intelligent control features contributing to its best-in-class energy efficiency.

The Grundfos TPE3 brings intelligent features like AutoAdapt, FlowAdapt, and FlowLimit that automatically regulate performance based on system demand, ensuring energy is used only when necessary. This maximises efficiency and significantly lowers CO<sub>2</sub> emissions, shortens payback times, and reduces lifecycle costs.

## With Grundfos TPE3, you get:

- **Lower CO<sub>2</sub> emissions:**  
Reduce your carbon footprint.
- **Shorter payback time:**  
Quick ROI through energy savings.
- **Reduced lifecycle costs:**  
Lower maintenance and operational expenses.
- **Big energy savings:**  
Save up to 50% energy compared to fixed-speed pumps.<sup>2</sup>
- **Boost performance:**  
Autonomous intelligence adjusts to demands.

1. Source: Grundfos calculation based on yearly energy consumption data.

2. Grundfos calculation based on yearly energy consumption data.





# Simplified from selection to operation

## Save time and reduce complexity

In the world of building management and system installations, time is everything. The Grundfos TPE3 is designed to streamline everything from selection to operation, saving time and money.

The compact design makes it easier to install in tight or unconventional spaces and maximises space utilisation without compromising functionality.

With the Grundfos GO app, it's easy to adjust settings, access performance data, monitor operations and manage maintenance. Bluetooth connectivity makes it straightforward to configure and commission the pump, while cloud-based architecture lets you stay updated with the latest features for a future-proof solution.

The Grundfos TPE3 features a uniform setup wizard across the entire pump range, simplifying commissioning. This makes every process intuitive and efficient, whether installing a single pump or scaling to multiple units. The compact design and reduced model variations also simplify selection.

## With Grundfos TPE3, you get:

- **Simplified selection:**  
A uniform pump range for improved selection and operations.
- **Easy installation & commissioning:**  
Intuitive setup with Grundfos GO app and Bluetooth.
- **Time & cost savings:**  
Significantly faster installation and commissioning processes.

# Intelligent connectivity for smart systems

## Collaborate seamlessly with your building systems

Modern commercial buildings are complex ecosystems where different components must communicate to ensure optimal performance, user comfort and system efficiency. The Grundfos TPE3 is designed to integrate seamlessly into any building system, providing intelligent connectivity to enhance performance.

With Modbus RTU, Bluetooth and Ethernet connectivity as a standard offering, the Grundfos TPE3 can integrate with cloud platforms and existing Building Management Systems. This seamless collaboration ensures the Grundfos TPE3 can communicate and adapt within the broader building automation framework, optimising performance across all connected systems.

The Grundfos TPE3 allows for real-time monitoring and cloud-based data access. System operators can track pump performance, analyse data trends, and make informed decisions anywhere. Compatibility with third-party systems ensures it can adapt to various analytics management tools and makes it possible to optimise performance based on real-time data insights.

## With Grundfos TPE3, you get:

- **Enhanced data analytics:**  
Use real-time data to fine-tune performance.
- **Optimised performance:**  
Superior integration with third-party compatibility.
- **Flexible integration:**  
Easily fits into existing and future building setups.





# About Grundfos

Grundfos is a global leader that designs, manufactures and delivers intelligent and energy-efficient pump and water solutions that tackle global water-related challenges.

Our solutions, including innovative products such as the ALPHA, MAGNA and TPE3, deliver reliable and efficient circulation in diverse applications ranging from water supply and wastewater management to district energy systems and HVAC, heating and cooling systems in large commercial buildings.

Guided by research and development, we create products engineered for peak performance to meet the rising demand for reduced resource consumption and lower CO<sub>2</sub> emissions.

By prioritising innovation and sustainability, we have become the trusted partner for contractors, consulting engineers, facility managers and installers, empowering them to build the most sustainable and efficient buildings and systems.

Visit **[www.grundfos.com](http://www.grundfos.com)** to explore our full range of energy-efficient pump solutions.