GF Building Flow Solutions

uponor

Innovations 2025

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Uponor
I-Shower

Setting the standard of shower installation

+GF+ Novelty 2025

Installer's choice & user's favorite: Plug-and-Play system for individual shower pleasure.

Modern lifestyles demand digital solutions that enhance convenience, comfort, and efficiency. However, traditional shower systems struggle to meet these evolving expectations. Users experience inconsistent water temperature, unnecessary water wastage, and limited customization. Meanwhile, concealed shower systems pose challenges due to complex plumbing, structural modifications, specialized tools, and compatibility issues.

Uponor I-Shower redefines the showering experience by re-engineering the mixing unit into an electronic mixer within the Uponor Combi Port cabinet. This innovation eliminates installation complexities while offering a seamless, energy-efficient, and user-centric solution. The result? A high-performance digital shower system that simplifies installation, optimizes water usage, and provides a personalized experience at the push of a button. With its high-end design control unit, shower space layout becomes more flexible, while ensuring unparalleled individual comfort like never before.

Why Choose Uponor I-Shower?

50% Faster Installation
Only two pipes instead of four, minimizing complexity

Architectural Freedom
No mixing box installation required in waterproofed walls, allowing more creative freedom

Highest Shower Comfort
Electronic mixer with memory function for user profiles and precise temperature control

Uponor I-Shower is a revolution in showering technology. Designed for ease of installation, unparalleled comfort, and modern energy-saving solutions, it sets a new standard of shower installation. Visit uponor.com/innovations to learn more.

Leading with Water

Uponor Corporation
Ilmalantori 4
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Finland

GF Building Flow Solutions

GF EcoMate

30% energy savings - 0 risk

24/7 heat source management with intelligent software and IoT sensors.

Most existing buildings still rely on fossil heating systems, leading to high energy consumption, increased CO_2 emissions, and rising operational costs. With stricter environmental regulations, real estate owners face financial risks when their buildings fail to meet new sustainability standards. Meanwhile, traditional Building Management Systems (BMS) come with high upfront and operational costs, limiting their accessibility.

GF EcoMate revolutionizes heat source management by combining intelligent software with IoT sensors to optimize heating systems. This non-invasive solution achieves an average of 30% energy savings, leveraging real-time building occupancy insights and weather forecasting for precise energy adjustments. Designed for light commercial buildings, GF EcoMate offers a unique business model with a risk-free contracting service fee based on shared cost savings and no hardware investment required.

Why Choose GF EcoMate?

Guaranteed Energy Savings
Reduce heating energy consumption by an average of 30% with real-time energy monitoring and automated optimization

Optimized Carbon Footprint
Lower CO_2 emissions (reduction of approximately 30%) while meeting ESG goals

Increased Real Estate Value
Protect assets by ensuring compliance with environmental regulations

No Upfront Investment
Risk-free model with savings based service fees. Sensors and software are provided with no capital expenditure required

GF EcoMate is a smart, automated, and risk-free solution that optimizes building efficiency while maximizing sustainability and cost savings.
Visit uponor.com/innovations to learn more.

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Uponor
Ecoflex VIP 2.0

Next generation flexible pre-insulated pipe systems

Outstanding performance, unbeatable flexibility and long-lasting durability.

The European Union's ambitious sustainability and decarbonization goals call for energy-efficient and cost-effective solutions for local and district heating. However, the complexity of installation has slowed down the adoption of high-performance alternatives. Additionally, the decline in skilled labor and rising installation costs require more flexible and easier-to-install solutions.

Uponor Ecoflex VIP 2.0 is the second generation of Ecoflex VIP pipes and introduces the most efficient heat distribution pipe ever, designed for medium-to-large sized local heat distribution network applications, where the outer pipe size reduction is vital. By leveraging cutting-edge Vacuum Insulated Panel (VIP) technology, this innovation delivers unmatched thermal performance with a significantly smaller outer pipe diameter, making installation faster, easier, and more sustainable.

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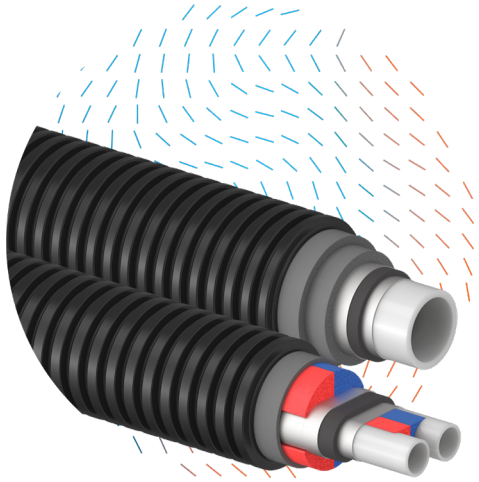

Now available up to 160mm
Full range: Twin 2x25–2x75mm, Single 40–160mm

Why Choose Uponor Ecoflex VIP 2.0?

Best-in-Class Insulation
VIP provides a Lambda of 0.004 W/mK—10x better than PE and 5x better than PUR

Less Outer Pipe Diameter and Heat Loss
Up to 60% less heat loss and 70% smaller jacket size (compared to similar heat loss and jacket size with PE insulation)

Superior Flexibility and Time Savings
Up to 20% time savings vs. stiff pre-insulated pipes and up to 50% vs. steel pipes

Seamless Compatibility
Fully compatible with all Ecoflex fittings and accessories

Uponor Ecoflex VIP 2.0 sets a new standard in heat distribution and meets the growing demand for scalable and eco-friendly heating networks in residential and commercial applications. Visit uponor.com/innovations to learn more.

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Uponor
Combi Port E-Hybrid

Hot water on demand - without compromises

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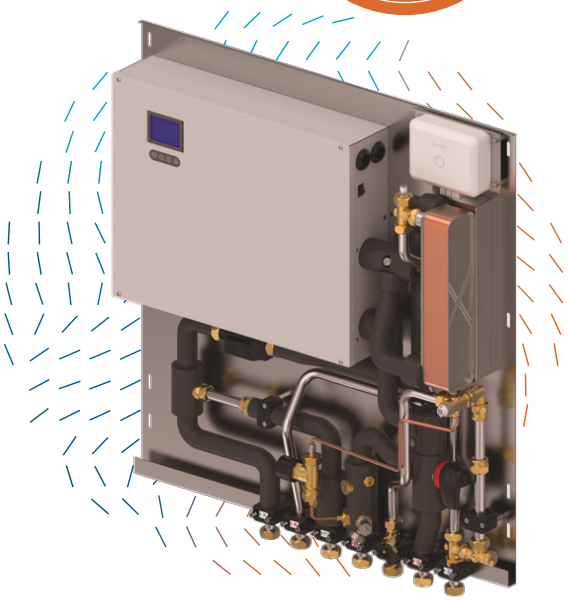

Next generation water hygiene solution for low temperature systems.

The shift towards electrification and energy-saving solutions is accelerating, driving the market from gas generators to heat pumps. However, when combined with on-demand domestic hot water systems like Heat Interface Units (HIU), this transition can lead to reduced flow rates, causing user discomfort and higher energy consumption. In many cases, additional booster pumps are required to compensate for pressure losses, adding to installation complexity and operational costs.

Uponor Combi Port E-Hybrid revolutionizes this process by integrating an electrical heater on the heating side of the HIU. This breakthrough eliminates pressure losses on the tap water side, removing the need for an extra booster pump while improving overall comfort and efficiency. With significantly higher tap flow rates and optimized energy use, this next-generation HIU ensures instant hot water without unnecessary waste, enhancing both user experience and sustainability.

Why Choose Uponor Combi Port E-Hybrid?

18% Energy Savings
In Heat Pump installations, optimizing performance and reducing energy consumption

25% Increased Maximum Flow Rate
For higher comfort: 15 L/min compared to previous 12 L/min

88% Less Pressure Drop
In normal operation: Pressure drop reduced to 0.2 Bar @ 9 L/min, down from 1.7 Bar

Uponor pioneered the first Hybrid Heat Interface Unit and now sets a new benchmark with the Uponor Combi Port E-Hybrid, delivering instant hot water, enhanced hygiene, and superior efficiency for energy-conscious buildings. Visit uponor.com/innovations to learn more.

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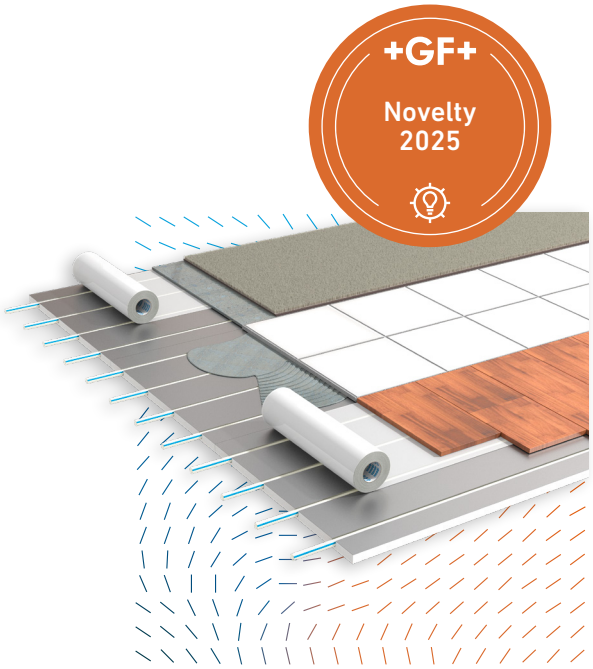
Uponor Siccus 16

Radiant Renovation, Reinvented

Renovations without limitations in floors, ceilings and walls.



As Europe prioritizes energy-efficient renovations over new builds, the construction industry faces challenges in upgrading existing buildings while maintaining structural integrity and meeting modern energy directives. Traditional underfloor heating systems require thick screeds, increasing installation height, structural load, and installation time, all issues that make retrofitting difficult.

The Uponor Siccus 16 dry underfloor radiant heating system is designed to overcome these challenges. By enabling direct flooring installation, it eliminates unnecessary layers, reducing installation height, simplifying assembly, and cutting installation time by up to 40%. Its lightweight construction ensures compatibility with floor load restrictions, making it the perfect solution for renovation projects.

Why Choose Uponor Siccus 16?

First-of-Its-Kind Direct Tiling Solution
With no additional layers required

40% Faster Installation
Saves time and reduces overall renovation costs

Ultra-Low Installation Height
Only 20mm height, with full flooring height between 28-38mm depending on final flooring

Optimal Heating Performance
Achievable in 20 minutes due to its fast reaction time

Lightweight & Easy to Install
Dry Underfloor Heating technology reduces floor load and structural impact, making it ideal for all dry renovations

With Uponor Siccus 16, buildings can be easily modernized with a low-height, high-efficiency radiant heating system that simplifies installation while maximizing performance. Visit uponor.com/innovations to learn more.

Leading with Water

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GF Hycleen Balance

The intelligent valve for an optimal balance in the hot water system

Hydraulic balancing is the key for a functioning, efficient and hygienically safe hot water circulation. The GF Hycleen Balance valve was developed to set a new standard in achieving exactly that. Advanced electronic components, digital controls and intelligent algorithms ensure a consistently self-optimizing distribution of the hot water across the entire building. Avoidance of longer stagnation periods, balancing safe temperatures, self-maintenance procedures and alerts are automated and can individually be set according to latest laws and regulations.

The GF Hycleen Balance valve is easy to install and commission in a plug & play manner. Once set-up it runs fully automatic and documents all operations in a standard format. This adds significant efficiency and peace of mind for operators, investors and installers alike.

Why Choose GF Hycleen Balance?

Hygiene
Immediately after commissioning, GF Hycleen Balance regulates the consistent distribution of the selected temperature throughout the building. By setting it at 55° and avoiding long periods of stagnation, it prevents the growth and proliferation of legionella

Efficiency
Thanks to precise temperature control and optimal distribution, GF Hycleen Balance minimizes heat loss and reduces energy waste. Energy savings of up to 25% in the preparation and distribution of hot water have been measured in reference objects

Comfort
Thanks to the digitally controlled hydraulic balancing, GF Hycleen Balance ensures that warm water is immediately available at the desired temperature. Minimized waiting time improves comfort and life quality and reduces water consumption

Visit
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to learn more.

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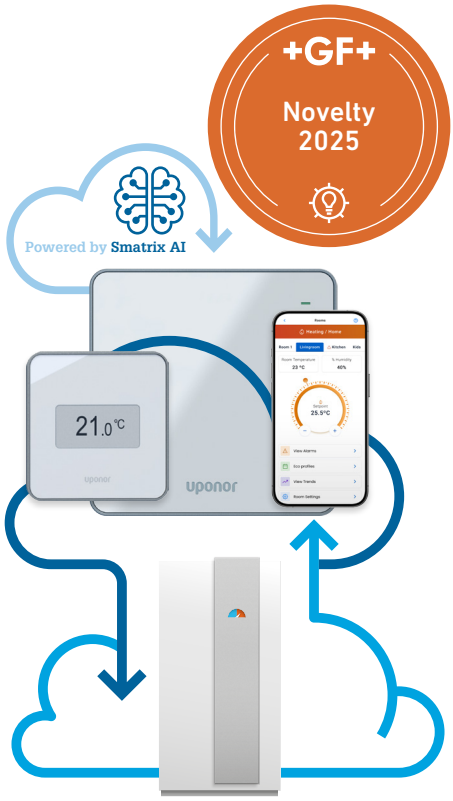
Uponor
Smatrix AI

Pioneering AI in radiant control software



Energy reduction through Smatrix intelligence.

New regulations for energy efficient buildings have successfully reduced energy consumption through better insulation, but they have also made radiant heating systems less responsive to sudden weather changes. Additionally, fluctuating weather conditions demand faster response systems. To set optimal heat curves for individual comfort and high energy savings remains a task for experts in our days.

Uponor Smatrix AI revolutionizes underfloor heating control by integrating Artificial Intelligence to predict, adapt, and optimize heating performance. Seamlessly connected to heat pump via cloud-to-cloud integration, it ensures fast response times, effortless setup, and maximum energy efficiency. By analyzing weather patterns, room temperature factors, and user preferences, Smatrix AI continuously adjusts heating output, keeping indoor temperatures just right throughout the seasons.

Uponor Smatrix AI offers you:

Maximum Comfort & Energy Savings
At least 10% energy savings considered on local climate conditions and building parameters

Always the Perfect Temperature
AI considers weather changes and proactively adjusts heating before you feel any discomfort

Cloud Connectivity
Cloud-to-cloud integration enables quick setup for both new and existing Uponor Smatrix Pulse installations

Faster Set-up Time
Saves labor costs due to fast digital set-up

With AI-powered intelligence, Uponor Smatrix AI takes radiant heating to the next level, providing unparalleled comfort, energy efficiency, and effortless smart control for modern homes and buildings. Visit uponor.com/innovations to learn more.

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