

HYDROPATH



**At the Forefront of Sustainable
Cleantech for H₂O Treatment**

Introduction

HYDROPATH provides the ultimate in water care technology to global business, industry and consumers – reducing limescale, preventing biofouling and offering chemical-free solutions with a difference.

We do this by applying the very best in scientific understanding and discovery, leading product innovation, proven application and unrivalled service, tailored to our customers.



With over 30 years of experience, we manufacture electronic water conditioners for the prevention and removal of hard limescale, the treatment of bacteria and algae, and the improvement of filtration.

Our technology, manufactured in the UK, offers cost savings and environmental benefits for a wide range of applications, from the HVAC and swimming pool industries to the agricultural sector and heavy industry.

HYDROPATH'S range of water conditioners operate by use of a unique, chemical-free, patented ferrite technology that applies an electrical field to the pipe and the water contained within.

The units are easy to install, require no cutting of pipework and are suitable for all pipe materials. Units are available to treat pipes up to 200mm as standard, and larger units suitable for pipes from 220mm to several meters in diameter are available in our "custom range".

Limescale reduces the efficiency and longevity of boilers, increasing energy costs and incurring a cost to the environment too.

Limescale forms when there is a pressure or temperature change, causing it to adhere to the boiler's heat exchanger or heating element.

HYDROPATH technology works by emitting a varying electric field into the water, causing limescale to form in suspension, which is then washed away with the flow.

In addition to protecting against limescale, Hydropath provides units that improve water quality by controlling biofouling and improving filtration.

This ensures that heating surfaces remain free of biofouling and maintain their efficiency, and that water and energy wasted due to backwash are minimised.

*Hydro***FLOW**
BY HYDROPATH®

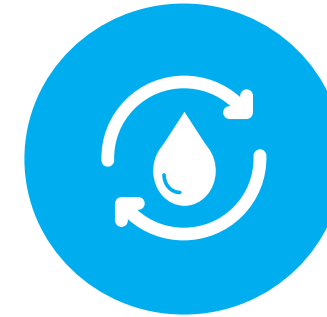


The Original

The trusted clean-tech water treatment solution for the world's best brands

HYDROPATH

HydroPath Technology Ltd, a cleantech manufacturer, produces innovative HydroFLOW® products for a range of sectors and applications, which:



Save Water

Water saved via reduced backwash and increased cycles.



Improve Lifespan

Equipment works more efficiently and lasts longer.



Award Winning

HydroFLOW has been awarded the "Solar Impulse Efficient Solution" Label, a proof of high standards in profitability and sustainability.



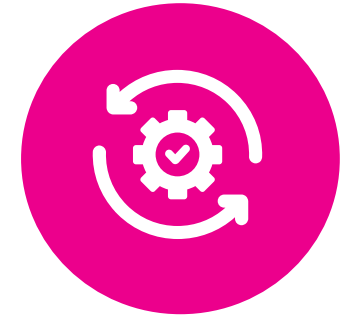
Optimise Chemicals

Systems are protected with little or no need for harmful chemicals.



Reduce Downtime

Downtime for cleaning is less frequent and cleaning becomes easier.



Improve Efficiency

Heat transfer improves and pipelines become clearer, saving energy.

⊕ Limescale ⊕ Biofouling ⊕ Flocculation

Green Technology



Our HydroFLOW® technology has received the “Solar Impulse Efficient Solution” Label, rewarding profitable solutions to protect the environment.

HydroFLOW® by Hydropath was attributed the “Solar Impulse Efficient Solution” Label following an assessment performed by external independent experts and based on verified standards.

It is thereby joining the #1000solutions challenge, an initiative by the Solar Impulse Foundation to select solutions that meet high standards in profitability and sustainability and present them to decision-makers to fast-track their implementation.

For more information, visit solarimpulse.com

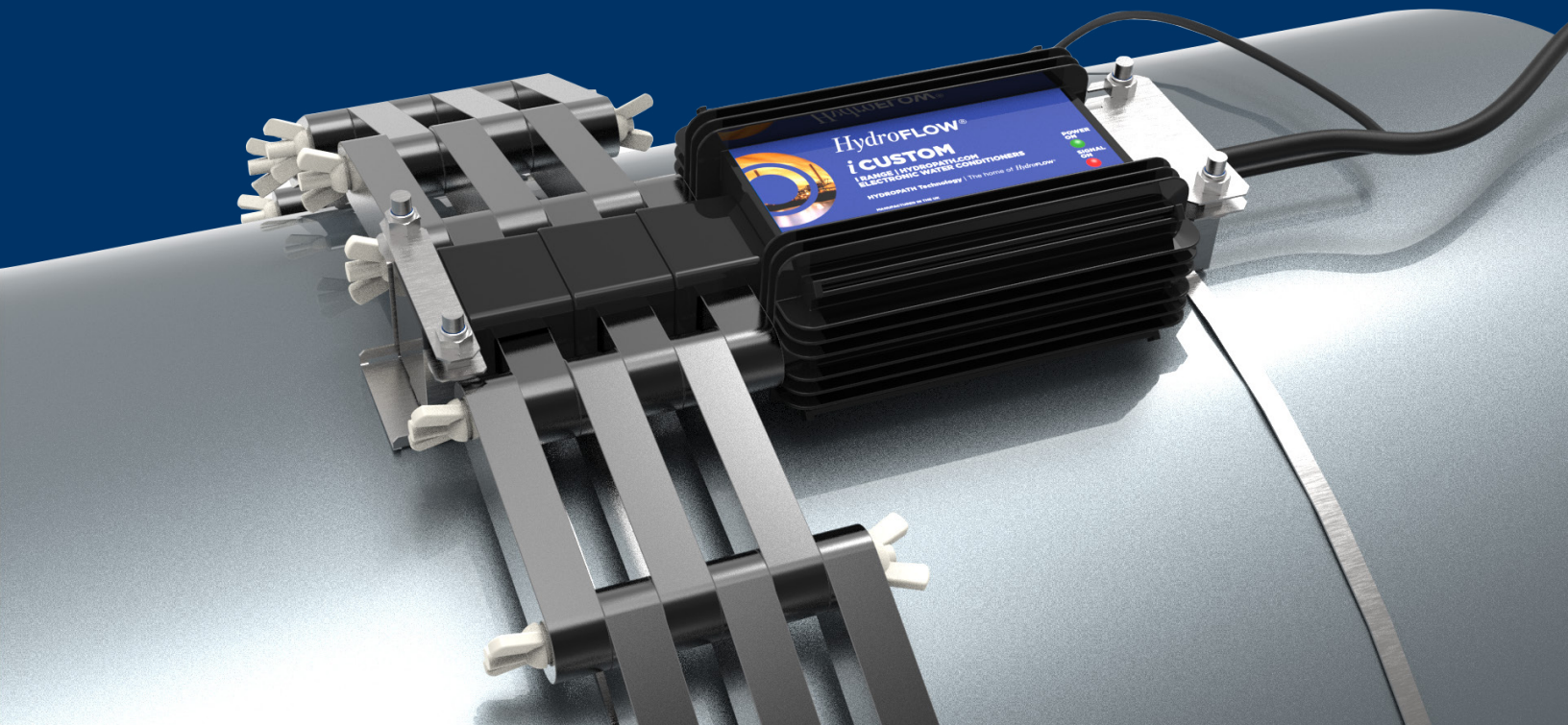
HydroFLOW® around the world



OVER 1,000,000
UNITS INSTALLED

We've established a worldwide network of committed distributors and partners who represent our technology all over the globe, led by our head office in the UK.

Wherever water is flowing, our pioneering technology is there, saving time, money, energy and of course, water.



Residential Product

Pearl

Designed to protect domestic plumbing systems against limescale build up.

The HydroFLOW® Pearl is suitable for houses of up to four bedrooms, and for combination boilers as well as vented and unvented cylinders.

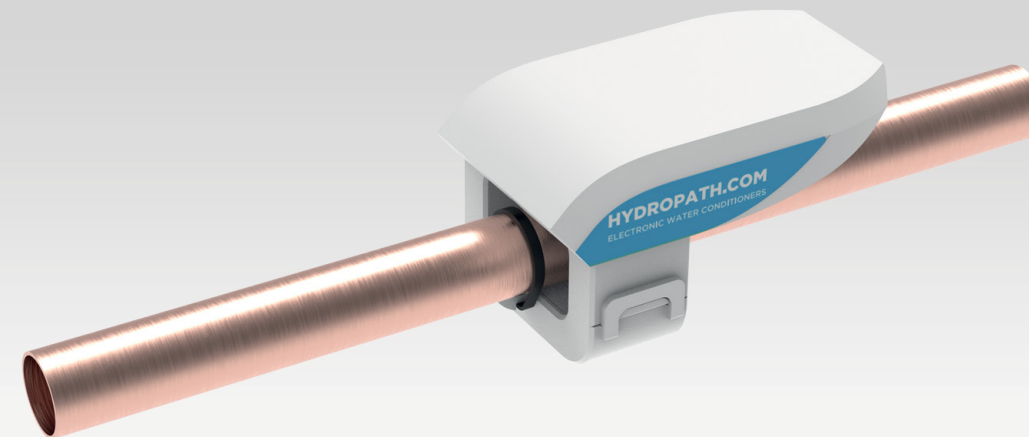
The Pearl is designed to protect against hard limescale deposits in domestic pipelines and on heating elements and surfaces, to protect appliances such as dishwashers and washing machines, and to make limescale-stained taps, sinks and bathtubs easier to clean.

Suitable for

⊕ Limescale ⊕ Biofouling ⊕ Flocculation

- **Suitable for houses of up to four bedrooms**
- **Protects house-hold appliances including boilers**
- **Chemical-free technology**
- **Dissolves and removes existing scale**
- **Prevents new scale build-up**

∅ UP TO 24MM



HydroFLOW
BY HYDROPATH®

Residential Product

Pearl Plus

The HydroFLOW® Pearl Plus is suitable for houses of more than four bedrooms, and a popular choice for use in low-pressure steam boilers, steam ovens and steam rooms and for humidifiers and evaporators.

The HydroFLOW® Pearl Plus is the solution for hard limescale deposits in your small business premises.

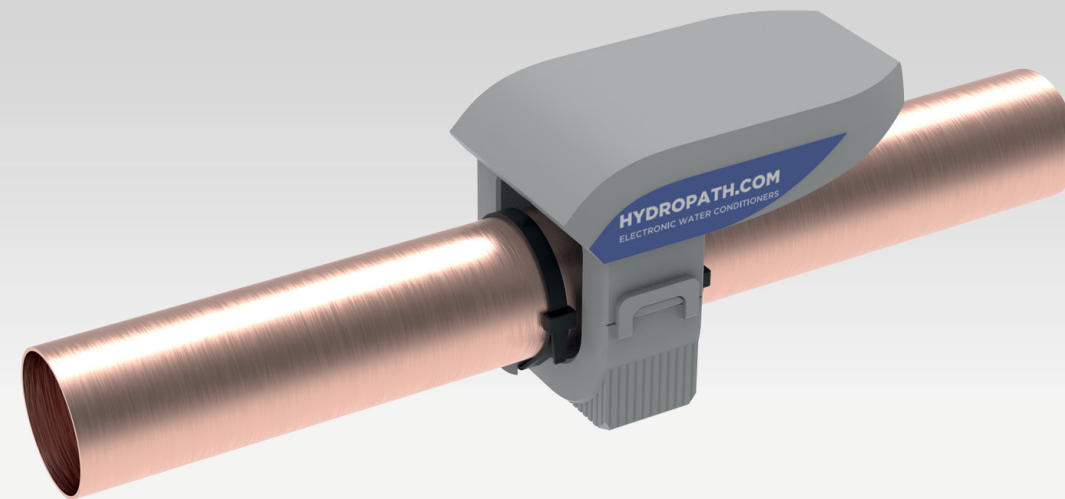
More powerful than the domestic version, the Pearl, the HydroFLOW® Pearl Plus is designed protect commercial heating systems, as well as appliances such as dishwashers and washing machines, and to make limescale-stained taps, sinks and surfaces easier to clean.

Suitable for

⊕ Limescale ⊕ Biofouling ⊕ Flocculation

- **Suitable for houses of more than four bedrooms**
- **Protects house-hold appliances including boilers**
- **Chemical-free technology**
- **Dissolves and removes existing scale**
- **Prevents new scale build-up**

∅ UP TO 41MM



*Hydro***FLOW**
BY HYDROPATH®

Residential/Commercial Product

hs 40

The HydroFLOW® hs40 is designed for domestic systems and is especially suitable for multi bath-roomed homes.

Similar to its cousin the Pearl, the larger and more powerful hs40 is designed to offer a chemical-free alternative in addressing the effects of new and existing hard limescale encrustation on plumbing systems and the impact that this hard limescale has on the efficiency of and longevity of boilers and their increased energy usage.

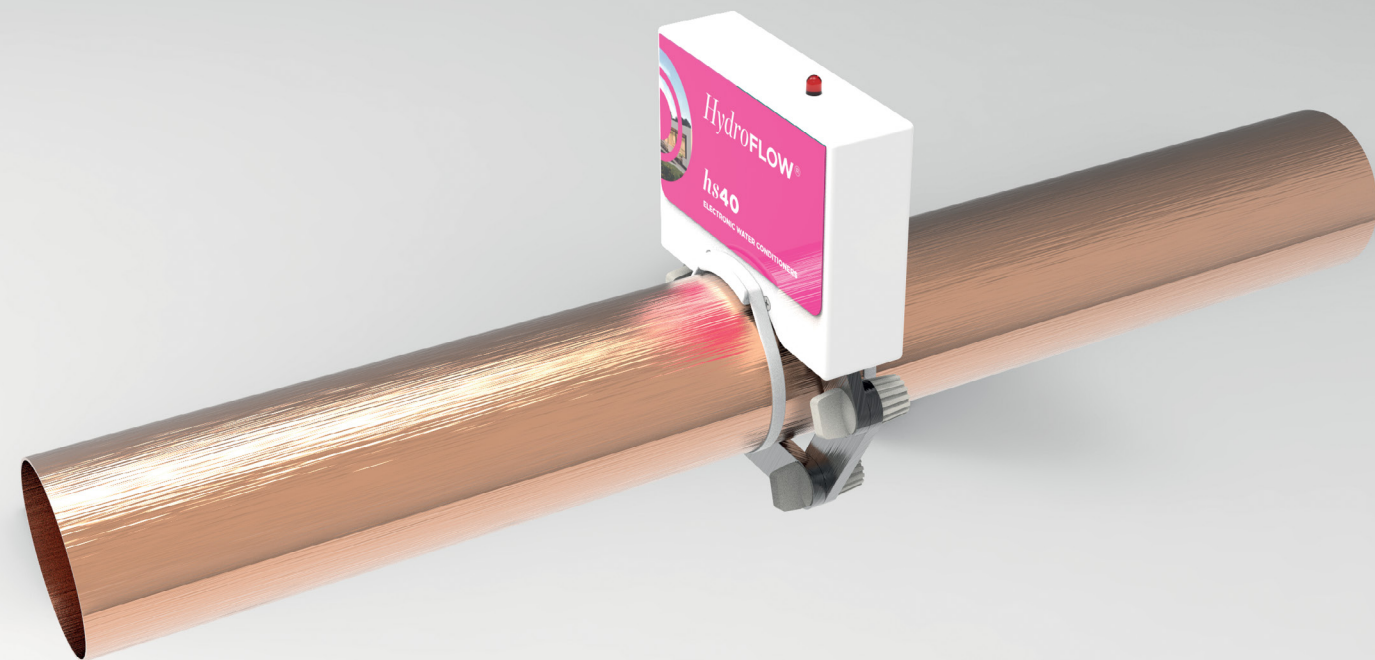
The unit can fit around a pipe of any material with no plumbing required.

Suitable for

⊕ Limescale ⊕ Biofouling ⊕ Flocculation

- New Limescale
- Existing limescale
- Suitable for the average two to four-bedroom sized home
- Fits on pipe size up to 63mm outside diameter

∅ UP TO 63MM



HydroFLOW
BY HYDROPATH®

Residential/Commercial Product

k40 AQUAKLEAR

The k40 is designed to improve the water quality of pools, hot tubs, spas, water features, and other related applications.

Reducing bacterial levels and improving filtration in pools etc. leads to clearer and more pleasant water and a reduction in maintenance regimes and associated costs and a reduction in backwash.

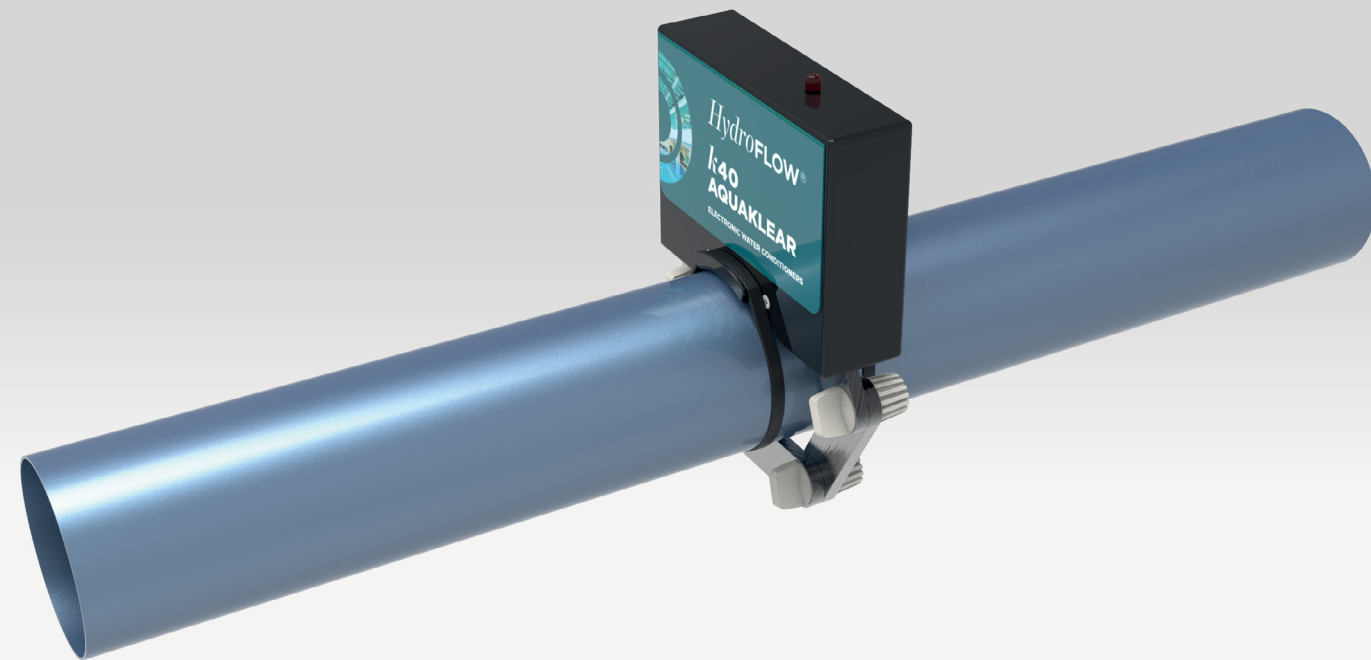
The k40 has a range of benefits designed to make your system cheaper and easier to maintain, and more pleasant to use.

Suitable for

⊕ Limescale ⊕ Biofouling ⊕ Flocculation

- **Water Quality**
- **Chlorine Reduction**
- **Small pools and spas**
- **Fits on pipe size up to 63mm outside diameter**

∅ UP TO 63MM



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Commercial Product

c Range

Designed for limescale protection for heating, ventilation and plumbing services in offices, schools, hotels and other commercial buildings.

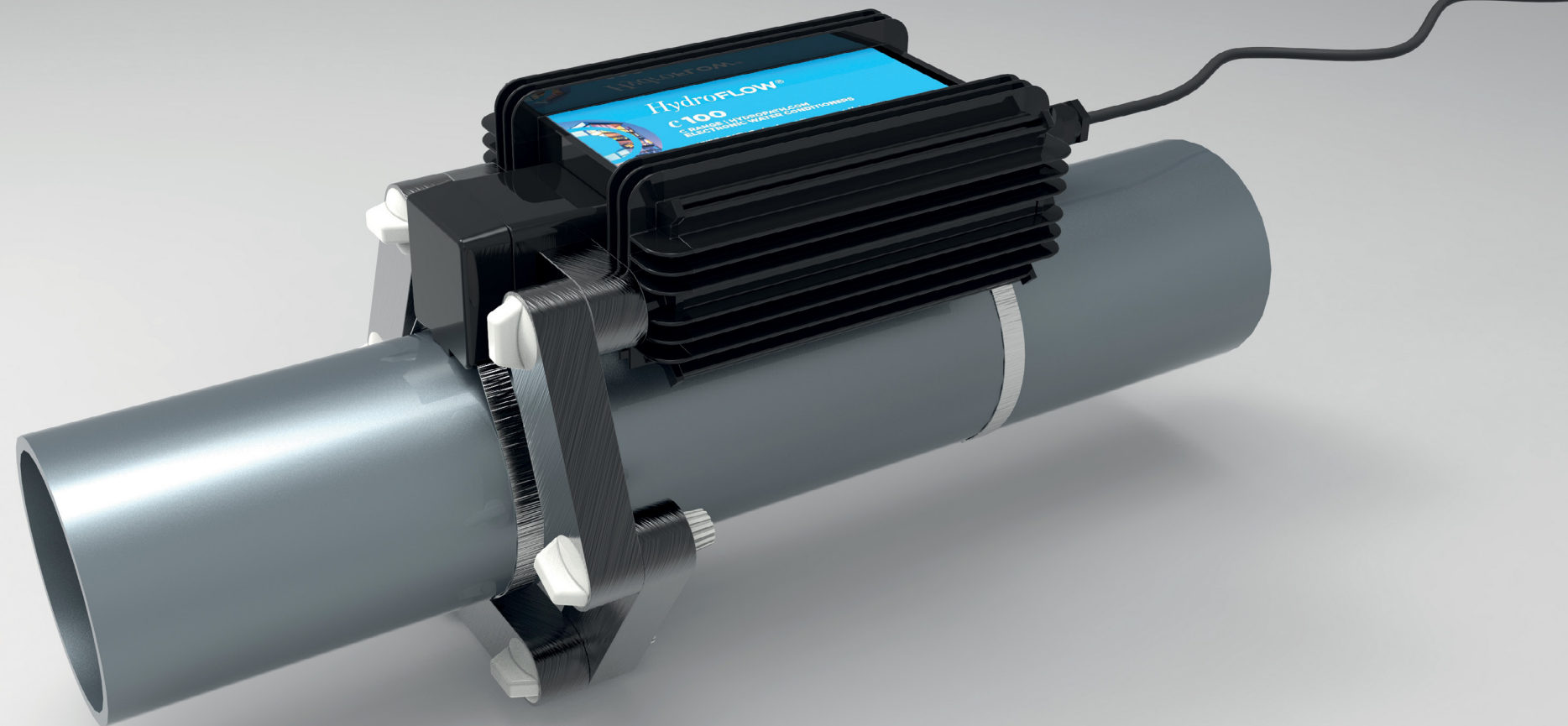
The c Range is designed to address the effects of new and existing hard limescale encrustation on commercial boilers, heat exchangers and cooling systems. The applied signal can travel to protect the cold services as well, meaning other equipment is protected and deposits on sinks, taps etc, are easier to clean.

Suitable for

⊕ Limescale ⊕ Biofouling ⊕ Flocculation

- **New Limescale**
- **Existing Limescale**
- **Suitable for commercial boilers, heat exchangers and cooling systems**
- **Standard units available for pipes up to 200mm in outside diameter**

∅ UP TO 200MM



HydroFLOW
BY HYDROPATH®

Commercial/Industrial Product

P AQUAKLEAR

Designed to improve water quality in both swimming pools and cooling towers.

Flocculating material improves filtration and reduces backwashing, leading to lower energy usage, water and effluent charges, and (in pools) also reduces chloramine levels and the associated smell.

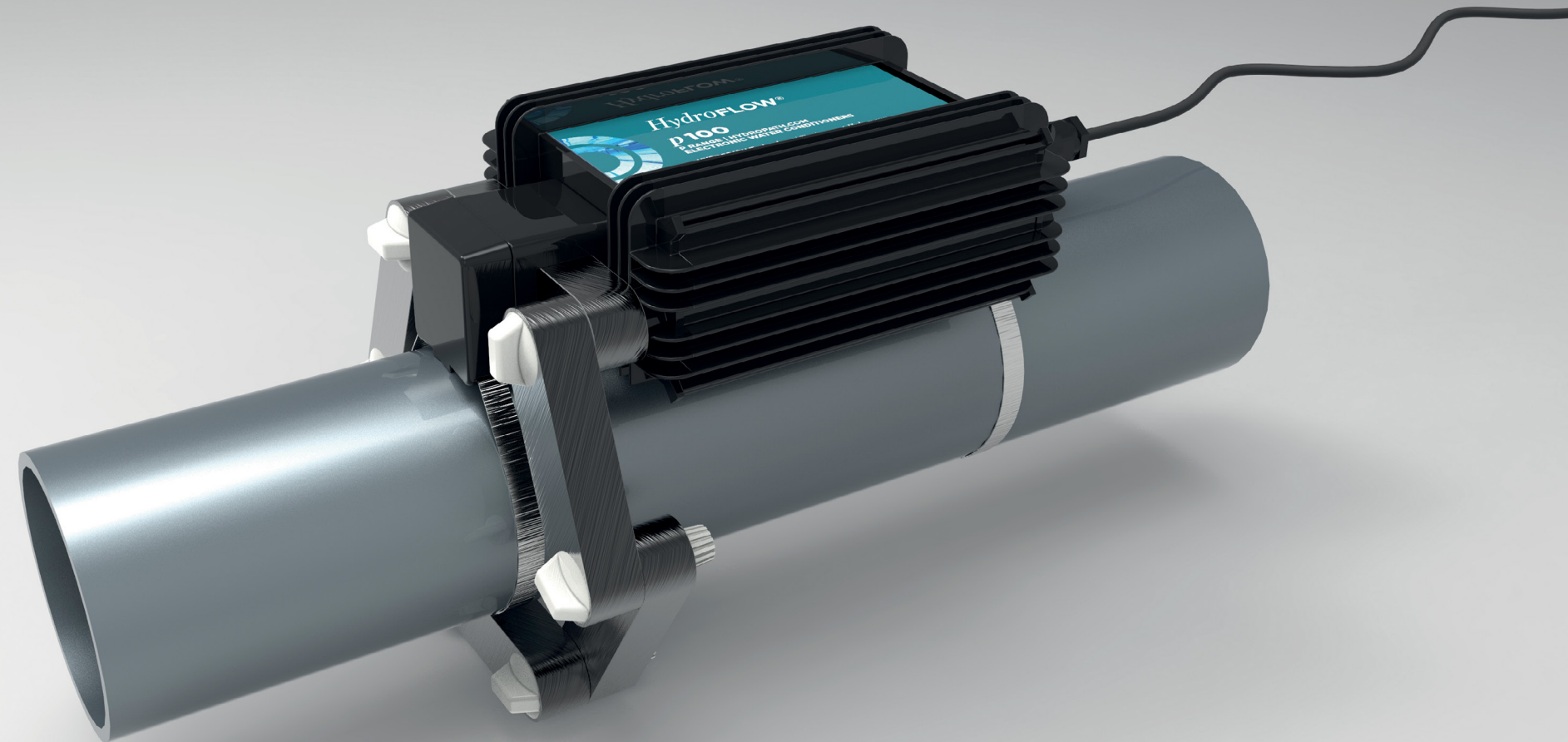
Preventing and removing limescale on heat exchangers and the tower itself can reduce maintenance costs and improve their overall efficiency.

Suitable for

⊕ Limescale ⊕ Biofouling ⊕ Flocculation

- Improved Filtration
- Biofouling Control
- Suitable for commercial pools and cooling towers
- Standard units available for pipes up to 200mm in outside diameter

∅ UP TO 200MM



HydroFLOW
BY HYDROPATH®

Industrial Product

i Industrial Range

Designed for challenging applications in industrial environments.

The i Range provides a range of water treatment benefits, including limescale protection, flocculation and biofouling control.

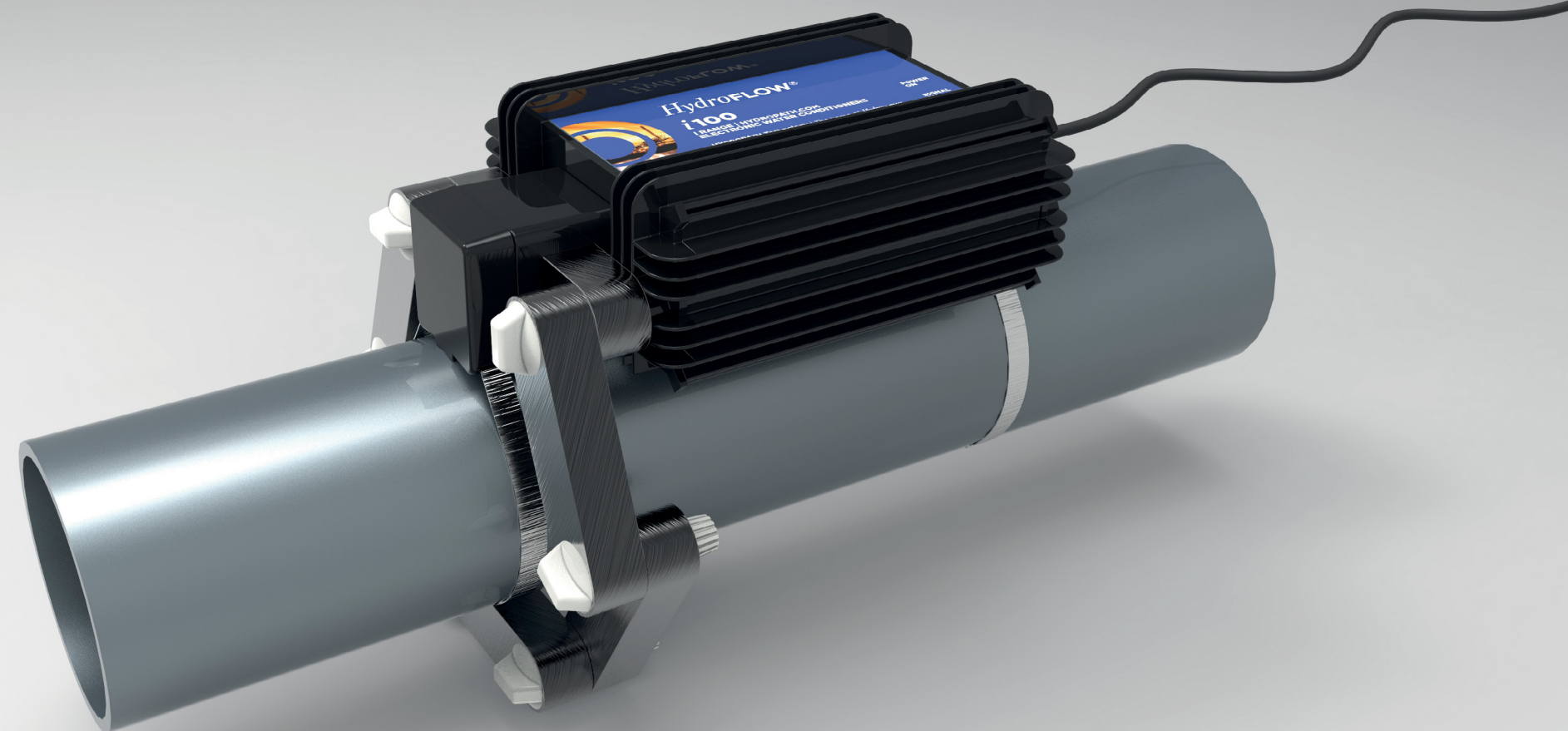
The Industrial Range is more powerful than the standard commercial unit. It features an integrated power supply, is fully waterproof, and is designed for ease of connection to mains power and building management systems.

Suitable for

⊕ Limescale ⊕ Biofouling ⊕ Flocculation

- Water Quality
- Limescale
- Higher power for challenging industrial environments
- Standard units available for pipes up to 200mm in outside diameter

∅ UP TO 200MM



HydroFLOW
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Hydropath Marine Range

Hydropath Marine Technology uses an AC electrical signal to prevent the formation of limescale deposits on the surfaces of pipes and equipment and also to eliminate bacteria.

The unit fits around the pipe with no need for cutting or plumbing. A ferrite ring passes through the unit and encircles the pipe.

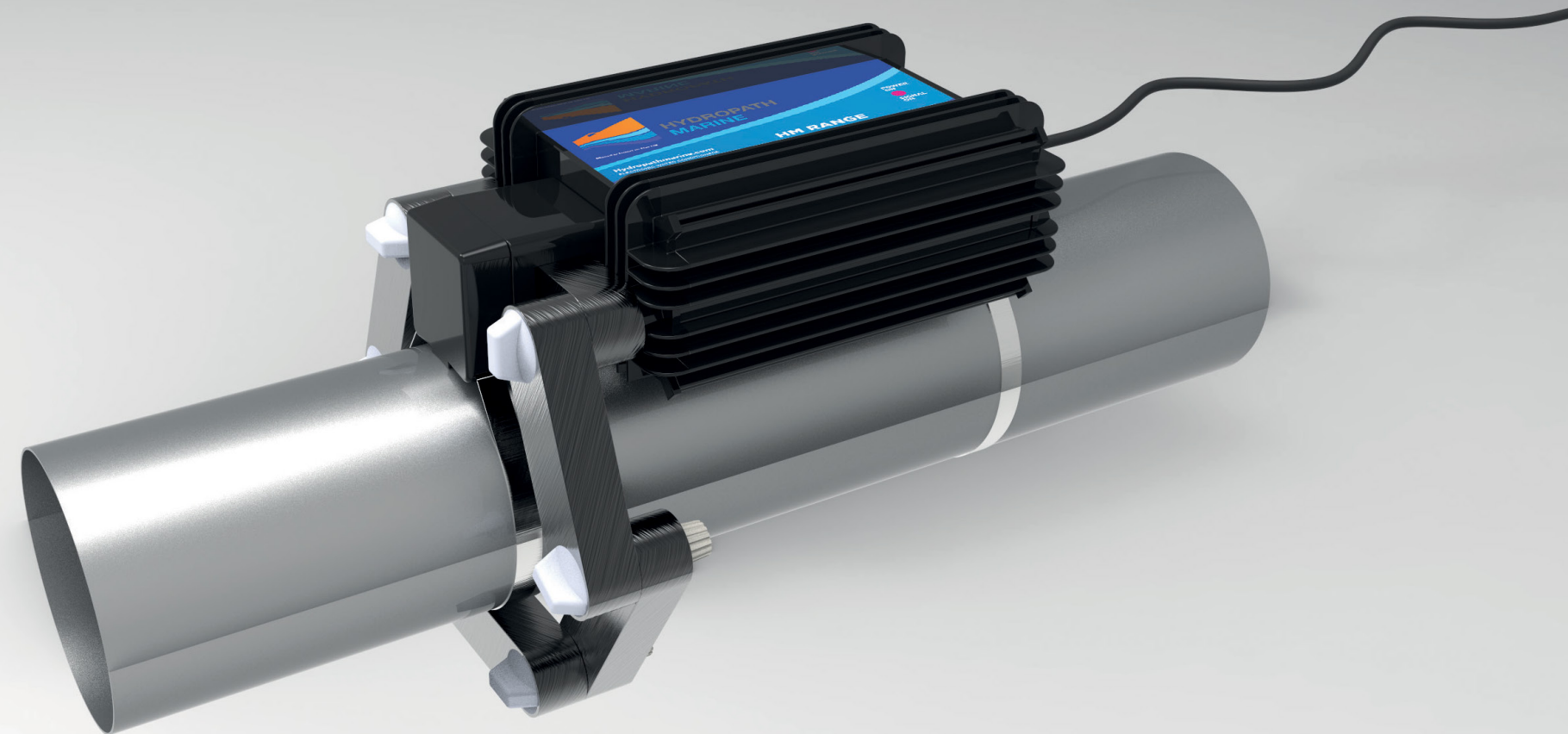
The difference between Hydropath Marine and other physical water conditioning technologies is the induced signal and its ability to continuously condition the liquid solution throughout an entire system.

Hydropath Marine water conditioners induce the signal into any water pipe on which they are installed, metal or PVC.

Suitable for

🕒 Limescale 🕒 Biofouling 🕒 Corrosion

- 2-3 hours cleaning process
- No chemicals usage
- Low maintenance
- Reduced down time
- Reduced slime or mud accumulation



HM RANGE
BY HYDROPATH®

Industrial Product

Custom Industrial Range

Standard commercial units are available to fit pipes up to 200mm OD. However for a larger pipe size, HYDROPATH can design a unit specifically for your requirements in any of our commercial ranges.

Custom units are installed around the world in an array of challenging environments and applications including aquaculture, waste water treatment, the mining industry.

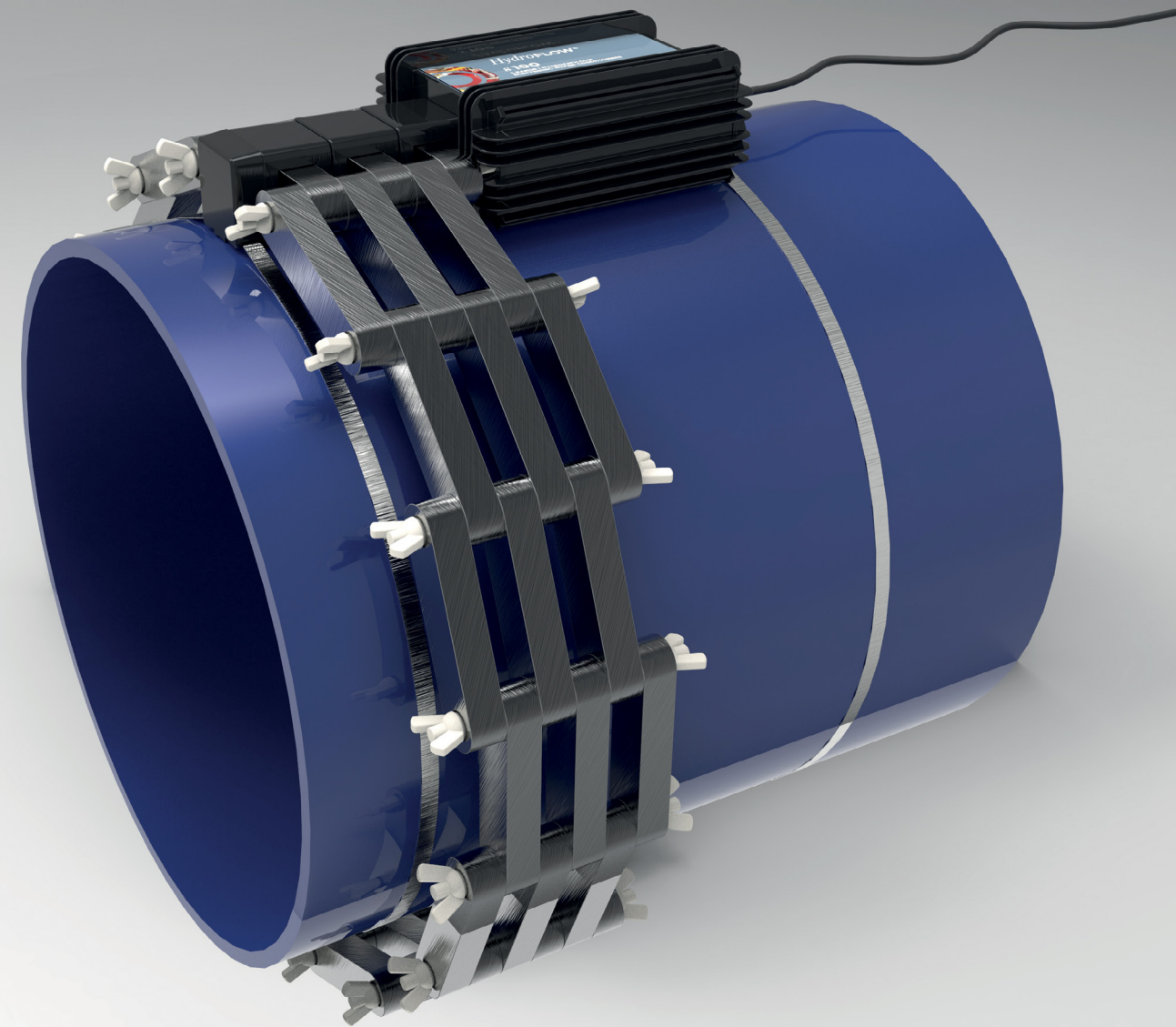
Whether it's a 10 inch unit for a cooling tower, or a unit for a power station meters in diameter, HYDROPATH can meet your needs.

Suitable for

⊕ Limescale ⊕ Biofouling ⊕ Flocculation

- Water quality
- Limescale
- Versions corresponding to all commercial ranges
- Units available for pipes from 220mm to several meters in outside diameter

∅ CUSTOM SIZES



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From Texas to Tokyo

“One of the best long term measures for the reduction and prevention of the continual scale problem...within 48 hours of operation the water pressure and heating controls had significantly improved and within 7 days the shower unit performance had returned to near 95% of its original condition”

Residential Housing Installation, UK

“I have fought with hard water for years and have spent a lot of money on chemicals...this technology worked well beyond my expectations. I just saved \$300 in pool chemicals that I normally have to buy to get the pool adjusted correctly”

Domestic Pool Installation, USA

“The s38 treats the water via radio-frequency electric field. After 8 weeks we still don't have to clean this container. Without the s38 we had to clean it 26 times a year... this has been reduced to six to seven times - a reduction of 75%”

Printing Press Installation, Netherlands

“Before the installation, the heat exchanger had to be cleaned every 15 days...since installing the HydroFLOW, the heat exchangers and valves have been free of scale and the water pressure is unchanged. No further chemical treatment was required”

Paper Mill Installation, China

“I have tested it in every possible way, by leaving water residue lying in the sink and leaving a dripping tap...the only thing remaining in the sink and tub was a thin smear which promptly wiped off with a dry cloth and left no mineral residue whatsoever”

Caravan Site Installation, Australia



1. Office Tower, Hong Kong
2. Brewery, Ukraine
3. Hospital, Taiwan
4. Shopping Mall, Hungary

5. Power Station, Russia
6. Copper Mine, Chile
7. Municipal Pool, USA



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