

HYDROPATH



HYDROPATH Technology | The home of *HydroFLOW*®

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 almost 25 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.



COMMERCIAL



LIMESCALE



C RANGE

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

The c Range protects against hard limescale build up in boilers, heating and cooling equipment. 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.

 UP TO 200MM

- Prevents hard limescale encrustation
- Reduces existing limescale over time
- Suitable for commercial boilers, heat exchangers and cooling systems
- Standard units available for pipes up to 200mm in outside diameter



BIOFOULING



LIMESCALE



FLOCCULATION



p AQUAKLEAR

Designed to improve water quality in both swimming pools and cooling towers. Aquaklear reduces chloramines and chlorine smell, bacteriological levels and lowers chemical usage. The unit flocculates material, improving filtration and reducing backwashing, leading to lower energy, water and effluent charges. In cooling towers, the p Range reduces the amount of make-up water required and improves water quality. It eliminates limescale on heat exchangers and the tower itself, reducing maintenance and improving efficiency.

 UP TO 200MM

- Reduces bacteria levels
- Improves filtration for lower turbidity and reduced backwash
- Suitable for commercial pools and cooling towers
- Standard units available for pipes up to 200mm in outside diameter



COMMERCIAL



LIMESCALE



STEAM



S RANGE

Designed specifically to deal with limescale in high pressure steam boilers. The s Range enables the use of untreated water for the steam boiler - straight from the mains or the bore hole.

It eliminates hard scaling on boiler tubes and (when connected to a hard water supply) gradually clears up existing scale. This leads to huge savings due to maintenance costs and improved efficiency.

 UP TO 120MM

- Prevents hard limescale encrustation
- Reduces existing limescale over time
- Suitable for high pressure steam boilers
- Units available for pipes up to 120mm in outside diameter



LIMESCALE



BIOFOULING



FLOCCULATION



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 waterproofed, and is designed for ease of connection to mains power and building management systems.

 UP TO 200MM

- Improves water quality
- Prevents and removes hard limescale
- Higher power for challenging industrial environments
- Standard units available for pipes up to 200mm in outside diameter



S38

The s38 is used in low-pressure steam boilers, steam ovens, steam rooms, humidifiers and evaporators. It protects these appliances from limescale build-up and removes existing limescale.

The s38 fits around pipes of up to 38mm, is suitable for all types of pipe material and works independent of flow rate.

 UP TO 38MM

- Prevents hard limescale encrustation
- Reduces existing limescale over time
- Suitable for small commercial applications
- Fits on pipe size up to 38mm outside diameter



LIMESCALE



BIOFOULING



FLOCCULATION



k40 AQUAKLEAR

The k40 is designed to improve the water quality of pools, hot tubs, spas, water features, and other related applications. The k40 has a range of benefits that will make your system cheaper and easier to maintain, and more pleasant to use.

The k40 reduces bacterial levels and improves filtration for clearer water.

The k40 will reduce maintenance time and costs, and increase the efficiency of the system.

 UP TO 63MM

- Reduces bacteria levels
- Reduces chlorine use and chlorine smell
- Improves filtration for lower turbidity and reduced backwash
- Fits on pipe size up to 63mm outside diameter



DOMESTIC



LIMESCALE



hs38

Designed to protect domestic plumbing systems against limescale build up. The HydroFLOW hs38 is suitable for houses of up to four bedrooms, to protect combination boilers as well as vented and unvented cylinders.

The hs38 prevents hard limescale deposits on heating surfaces, protects equipment such as dishwashers and washing machines and makes limescale staining on taps and sinks easier to clean.

 UP TO 38MM

- Prevents hard limescale encrustation
- Reduces existing limescale over time
- Suitable for the average two to four-bedroom sized home
- Fits on pipe size up to 38mm outside diameter



hs40

The HydroFLOW hs40 is designed for domestic systems with pipe sizes larger than 38mm in outer diameter. It offers the same chemical-free limescale protection as the hs38, maintaining the efficiency and longevity of boilers and preventing an increasing energy usage.

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

 UP TO 63MM

- Prevents hard limescale encrustation
- Reduces existing limescale over time
- Suitable for the average two to four-bedroom sized home
- Fits on pipe size up to 63mm outside diameter



CUSTOM



LIMESCALE



BIOFOULING



FLOCCULATION



CUSTOM 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.

CUSTOM SIZES

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.

- Improves water quality
- Prevents and removes hard limescale
- Versions corresponding to all commercial ranges
- Units available for pipes from 220mm to several meters in outside diameter

From the most challenging of industrial environments to the smallest household, HYDROPATH provides 24-hour protection for water systems all over the world.



HydroFLOW®



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

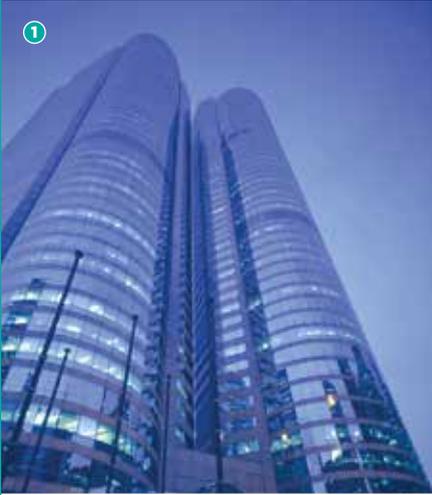
“Before the installation, the heat exchanger had to be cleaned every 15 days...since installing the HydroFLOW, the heat exchangers and valves have been free of scale and the water pressure is unchanged. No further chemical treatment was required”

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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