

*Hydro***FLOW**
BY HYDROPATH®



STEAM PRODUCTION

Water Treatment Solution

Improve Steam Operations with *HydroFLOW*®. Effectively manage limescale and hard scale to enhance efficiency, reduce fuel consumption, and minimise maintenance costs. This eco-friendly, easy-to-install solution ensures reliable operations while lowering chemical use for sustainable performance.

⊙ Limescale ⊙ Biofouling ⊙ Flocculation



Sustainable Cleantech for H2O Treatment

Water Treatment for Steam Industry

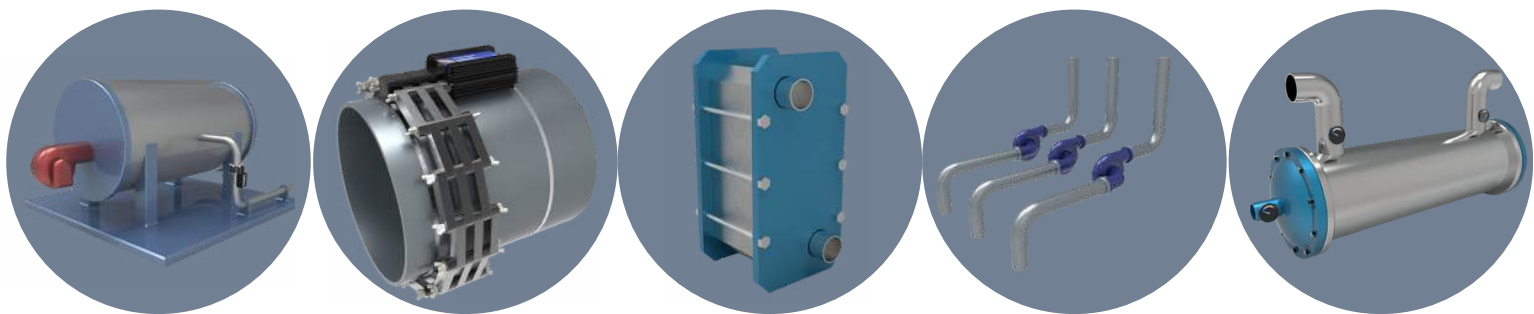
Why Choose *HydroFLOW*®?

Enhance Steam Boiler Efficiency with *HydroFLOW*®








Ensure long-lasting steam boiler performance while reducing fuel consumption and maintenance costs with *HydroFLOW*®. This easy-to-install solution effectively manages limescale, optimising efficiency and cutting operational expenses, while reducing chemical use.

HydroFLOW® Solutions for the Steam Industry:

- **Maintain Efficiency & Reduce Fuel Consumption:** Controls and treats hard scale deposits, improving heat transfer and reducing the amount of fuel needed.
- **Reduce Chemical Use:** Allows boilers to operate efficiently with unsoftened water, managing scale buildup and significantly reducing the need for chemicals and replenishment.
- **Lower Maintenance Requirements:** Minimises the frequency of boiler cleaning and maintenance, saving both time and costs, while extending the lifespan of the equipment.



OUR INNOVATIVE SOLUTIONS

-  **Suitable for all pipe materials**
-  **Available for pipes up to 200mm as standard**
-  **No plumbing or cutting of pipes required**
-  **Easy retrofit - no downtime**
-  **Typically installed on the cold inlet to heat exchanger**
-  **300 x 200x 200 mm unit dimensions**
-  **3 meter cable**





CASE STUDY

CHEMICAL PLANT, WAPATO
WASHINGTON, USA

This factory operated two large diesel steam boilers, fed with well water originally at 200ppm but brought down by a softener to 80ppm. Cleaning required a week of down-time and acid cleaning. One *HydroFLOW*® unit was installed on the water line to the DA tank and one *HydroFLOW*® unit was installed on each of the water lines feeding the steam boilers.



RESULTS

Within a few days, soft “putty” (wet calcite crystals) began washing out via blow-down, indicating the removal of existing scale. Within 2.5 months, the stack temperature decreased and fuel consumption went from 400 to 275 gallons per day, translating to \$150k savings annually (return on investment of 2-3 months). The customer decided to delay the replacement of the steam boilers.

OTHER TESTIMONIAL

“We tried *HydroFLOW*® in our steam boiler and it was amazing. We have our ROI within 6 months solely from the saving in fuel.”

Facilities Manager, Hong Kong Hospital

RESULTS



**WATER
SOFTNER
BYPASSED**

**STACK
TEMPERATURE
REDUCED
FROM
340°C TO
260°C**



**FUEL
CONSUMPTION
REDUCED
30%**

WHO ARE HYDROPATH?



Founded in 1992 by Dr. Danny Stefanini, Hydropath Technology are a leading innovator in electronic water conditioning solutions. Specialising in the maintaining of limescale and treatment of biofouling, our chemical-free solutions are designed to enhance the efficiency and longevity of water systems. Based in Nottingham, UK, we have grown from a small family-run business into a global leader with a robust network of distributors and clients worldwide.



HydroFLOW® units are working all over the world on multiple applications, treating carbonate and non-carbonate scaling and filtration issues in a wide variety of industries.

- From homes to heavy industry
- From spas to steel mills
- Suitable for any pipe material
- From 15mm to 1500+mm OD pipe diameter

Would you like a free consultation?

CONTACT US

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