

*Hydro***FLOW**®

WATER TREATMENT
FOR THE FOOD INDUSTRY



HYDROPATH Technology | The home of *Hydro***FLOW**®

WATER TREATMENT FOR THE FOOD INDUSTRY



Like all industries, the food industry requires careful management of water systems, requiring that they remain clear of limescale and biofilm to remain at optimum efficiency. With food production, there is an additional constraint on the amount of chemical treatment that can be added to the water.

HydroFLOW® electronic water conditioners offer a chemical-free approach to treating both existing and new limescale, and to addressing biofilm. Unlike water softeners there are no ongoing replenishment costs, and boilers can operate on unsoftened water without the problems of hard scale. HydroFLOW® units can also help with the treatment of waste water from food processes, reducing the need for chemical flocculants.

Installation is simple, with no system modification required. HydroFLOW® units operate maintenance-free 24/7, providing maximum performance no matter the throughput.



CASE STUDY

BAKER PRODUCE, ZILLAH, WASHINGTON, USA

The fruit-washing line in this factory was suffering from limescale issues. As well as the bank of heaters scaling up, reducing efficiency, the spray nozzles would block up with limescale on a daily basis. A HydroFLOW® unit was installed for a 3 month trial.

RESULTS

The existing scale on the heater tubes was gradually dissolved and new scale prevented. After 10 weeks the bare metal of the tubes could be seen. The spray nozzles did not block during the 3 month period, and overall maintenance time was reduced by 70%. Chlorine, soap and other chemicals used in the washing process were greatly reduced.

“It is hard to believe, but the pictures tell the story. I am amazed at the results so far. This problem that you are working on has been an extreme problem for me since I came to Baker Produce.” **Facility Director, Baker Produce**



OUR CUSTOMERS SAY

“Since we have installed the HydroFLOW® units in 2009 the maintenance intervals of the high pressure piston pumps went from 1 service interval in 500 working hours to 1 service interval in 1500 working hours. Usually in this service all the pistons need to be reconstructed due to the scale... It's not that we have no scale anymore but it is no longer “stone” fixed all over.

Executive Manager, Potato Fries Producer, Netherlands

“Three months after the HydroFLOW® system was installed a pipeline review was carried out, revealing that the organic mucus was eliminated and limescale deposits reduced. Half year later, we find we no longer need to clean the level sensors and see a reduced clogging of water-level glass on boilers. Overall, we can say that the HydroFLOW® electronic water treatment system was excellent, and I am very pleased with the results.

Principle engineer, Kharkov Meat Factory, Ukraine

RESULTS



NEW SCALE PREVENTED



EXISTING SCALE GRADUALLY REMOVED

CHEMICAL USE DOWN



MAINTENANCE REDUCED BY

70%



DESIGNED FOR

-  **NEW LIMESCALE**
-  **EXISTING LIMESCALE**
-  **FIGHTING BIOFOULING**

FEATURES

- Suitable for all pipe materials
- Available for pipes up to 200mm as standard
- No plumbing or cutting of pipes required
- Easy retrofit – no downtime

APPROXIMATE DIMENSIONS

- 300 x 200 x 100 mm
- 3 meter cable

TYPICAL INSTALLATION LOCATION

- The best location can vary based on system layout
- Contact your local representative for further details

FURTHER INFORMATION

For more detailed guidance on specification, installation or other information, please contact sales@hydropath.com or your local representative.



FROM COMBI BOILERS TO COOLING TOWERS

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. Check out our website for more information.

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



LIMESCALE



BIOFOULING



FLOCCULATION

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