

Main Benefits

- Dissolves and removes existing limescale
- Prevents new limescale accumulation
- Kills bacteria and algae
- Boosts filtration efficiency
- Inhibits corrosion

Environmental and Financial Benefits

- Reduces the usage of electricity
- Increases the efficiency of water heating appliances and machinery
- Eliminates or decreases chemical usage
- Decreases the need for chemical safety precautions, storage and disposal

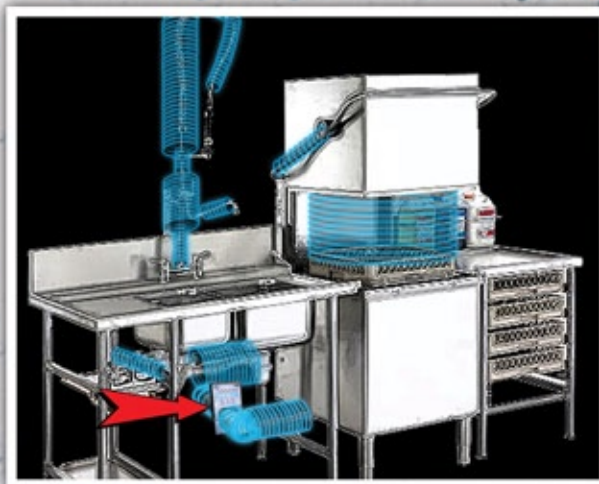


Additional Benefits

- Non-intrusive and easy to install – no plumbing required
- Does not depend on water flow; treats slow-moving and standing water
- Propagates the Hydropath signal along the entire water system
- Provides twenty-four hour protection
- Does not interfere with other electric systems

How Hydropath Technology Works

The difference between Hydropath Technology and other physical water conditioning technologies is our induced signal and its ability to treat an entire system, continuously. *HydroFLOW's* water conditioners induce an electric signal of $\pm 150\text{kHz}$ into any water pipe on which they are installed (metal or PVC).



The electric induction is performed by a special transducer connected to a ring of ferrites. Just as an electrical wire carries current from point A to B, the water inside the pipe acts as a conductor and carries the induced electric signal throughout the entire water system. The oscillating sine waves of the induced AC signal cause the positively and negatively-charged ions to form suspended clusters in the water, preventing them from attaching to rough surfaces. Testing shows that compared to other technologies, Hydropath Technology is 30,000 times more efficient.

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Presented by

HYDROFLOW
HOLDINGS U.S.A.

"Innovations that put nature to work for you!"

Steam **KLEAR**
S38

Chemical-free water treatment for:

- Steam Rooms
- Commercial Humidifiers
- Evaporators
- Small Aquariums
- Commercial Dishwaters
- Steam Ovens
- Other Complex Scale Applications



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Overview

The **S38** water conditioner provides a chemical-free solution for the harmful effects of limescale, corrosion, bacteria, and algae. This powerful and durable water conditioner is fully encapsulated, waterproof (sealed with 'O' Rings), and designed for ease of installation on pipes up to 1 1/2" OD. A special feature of the **S38** is that it is designed to withstand atmospheric and environmentally difficult conditions and, if necessary, can also be installed outdoors.

**Please note: the power supply is for indoor use only and may need protection if installed outside.*



Limescale

In most cases, low pressure steam generating equipment has the potential to become blocked with limescale. Limescale builds up in the heat exchangers, pipes, pumps and appliances connected to the system, usually resulting in reduced flow rates, loss of efficiency, and early failure of components. The **S38** induces a unique electric signal into the water system which immediately prevents limescale accumulation and breaks up existing limescale deposits over time.

Algae and Bacteria

The **SteamKLEAR** water conditioner kills bacteria and algae passing through the unit. Besides the obvious health benefits that this provides, there is also a subsequent reduction in biofilm within the water system.



Filtration

The **S38** water conditioner enhances filtration via flocculation. The unit charges suspended particles causing them to flock into larger particles which are more easily filtered out of water systems.

Chemical and Microbial Corrosion

The signal induced by the **SteamKLEAR** water conditioner interferes with the electro-chemical reaction necessary for corrosion to take place. As a result, corrosion to metal pipes and components is reduced by up to 66%. In addition, microbial-induced corrosion is significantly reduced as the bacteria passing through the water conditioner burst and die.



Specifications

- Activity-monitor light operated by feedback to show the signal is being transmitted in the water (i.e. correct operation)
- Certified to the requirements of ISO 9001:2000, CSA/UL and CB.
- Reliable, solid-state circuitry which is environmentally-protected, ensuring long life and reliability.
- Height 114mm (4.5") • Width 68mm (2.7")
- Depth 30mm (1.2") • Weight 210g (7.4 Oz.)



HydroFLOW retains the right to alter the specification without prior notice

Steam KLEAR
S38