



Uniclass L725111	EPIC G611
CI/SfB (74.26)	X

HydroFLOW Domestic HS38A major problem of domestic heating systems without a HS38 unit is the scale formation inside pipe work. prevents scale build-up and will in most cases also dissolve existing scale. The patented water treatment technology within represents a major breakthrough in the treatment of water and is recommended in the UK by British Gas. "Clip-on, switch-on and say goodbye to lime scale." One size for all sizes of domestic pipe-no interruption to plumbing. Fit and forget. No maintenance-no chemicals. Low running costs-less than 90p per year. 24 hour system protection. Extends the life of entire plumbing and heating system.

CWC HS38 Limescale Inhibitor

Summary of HS38 Features

- One HS38 unit can treat the entire system both up and down stream
- The HS38 is effective on standing water, no flow necessary
- The HS38 easy to install, no cutting of pipes
- The HS38 is maintenance free
- The HS38 has low running costs

Summary of HS38 Benefits

- HS38 prevents scale formation
- HS38 removes existing scale
- HS38 cuts energy costs
- HS38 extends life of the equipment
- HS38 treats the system 24 hours a day

HS38, The Theory

When water is heated, scale usually precipitates in the water and is deposited on surfaces such as the heating elements or pipes. This reduces the efficiency of the heating system and can reduce the life of the equipment. HS38 technology transmits low frequency radio waves into the water, propagating throughout the whole system both up and down stream, sending ions positively one way and negatively the other and then alternating continuously.

The collision rate is increased by thousands of times. Once ions collide they form clusters that are the start of crystal formation (homogeneous) that is ten times more attractive to carbonates than to a foreign surface area. Crystals form as calcite crystals in suspension rather than aragonite crystals on a surface. These calcite crystals then get flushed through the system as a fine dust. Our HS38 system differs from other products (electronic conditioning device) due to the fact that it propagates the signal longitudinally throughout the pipe work using the water to transmit it. Other devices rely on flow in a localised area. Because the electric fields are propagated throughout the water itself, the HS38 system does not rely on a water flow to treat the entire system and is therefore protecting the heating elements and pipes against scale 24 hours a day. The treated water is normally able to dissolve existing scale within a few weeks.

Installation of the HS38

Two compact domestic units are available, the HS38 and the HS40 for maximum pipe sizes of 38mm and 63mm respectively. The units are designed for easy installation and can be connected to a standard power supply (max. power 1.2W). No cutting of pipes is necessary with the units fitting around existing pipe work. For maximum protection the units should be installed on the cold feed to the domestic hot water system in a traditional system (usually in the airing cupboard) and to the cold water feed to a combi boiler. A light on the unit indicates that it is working correctly and that no electric loops are present within the system.



**Sole Distributor for FM Mattsson
Promoting Swedish Design & Technical Excellence**

A.L.Challis Limited, Europower House, Lower Road, Cookham, Berkshire. SL6 9EH.
Tele: 01628 529024 Web: www.alchallis.com e-mail: info@alchallis.com