

CalScale

BY CALMAG



Lorem ipsum

SPECIFICATIONS

SCALE
PREVENTION

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CalScale offers a non-intrusive solution for reducing and preventing limescale build-up in systems and plumbed-in appliances. CalScale's modulated pulse current generates an electromagnetic field through pipework, resulting in a complex oscillating field, capable of overcoming variations in water flow, temperature and levels of dissolved calcium. With the choice of three power settings, CalScale is highly recommended for effective scale reduction and prevention, combined with ease of installation and use.

HOW IT WORKS

Plugged in to the main electrical supply, CalScale draws power to the main control unit where it generates, via the signal cable wound around the water pipe, a modulated pulsed current that forms an electrical field through which the hard water has to pass. Due to the variations in water flow, temperature and the amount of calcium dissolved, the electronics thus produces a complex oscillating field that will cover all the necessary descaling conditions.

CalScale will not only prevent further limescale build up, but will also reduce, and finally clear all existing hard water limescale build up already present in the system or in heating appliances..

INSTALLATION

Once the unit has been sited, connect the signal cable to the unit if necessary.

Remove the bottom panel via the two screws and connect each end of the coil to the connecting block.

Please note, polarity is not important.

RE-SECURING PANEL

Mains power is supplied to the unit via the 3 pin lead whilst the mains cable is already fitted with the correct plug and is protected with the correct mains fuse. The supply voltage will be between 220v and 240v.

CONFIRM CORRECT OPERATION

- The relevant mains voltage lamp will illuminate green.
- The signal light illuminates red and remain and constant whilst the unit is operating correctly.
- Please note that the CalScale should be used on free flowing water and do not switch off.
- The CalScale unit does not remove calcium from the water.

POWER ADJUSTMENT CONTROL

Adjustment of the CalScale power output may be achieved by means of rotating the switch located on the front of the unit. There are 3 settings available – Low, Medium, and High.

Where it is desirable that descaling of a system should be carried out in a measured controlled manner then the unit should be set to High initially, and following the achieved results a lower power setting can be used for continuous protection..

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MAINS POWER INDICATOR LIGHT

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SIGNAL CABLE

All CalScale units are supplied with heat resistant, single core multi-stranded cable with a diameter of 6mm and suitable at temperatures up to 180 deg cel.

SIGNAL CABLE INSTALLATION

For best results please follow instructions:

- Installing the cable clear of possible sources of electromagnetic influence.
- Winding 10-12 turns of the signal cable around the pipe to be treated.
- Keep the coil windings tight with close turns held securely with the supplied self-locking cable ties.
- Keep coil windings away from any obstructions.
- Install the CalScale unit close to the coil – between 15cm and 2m.
- Cut the cable to length removing excessive cable.
- Install the coil on a pump discharge as opposed to a pump inlet.

TESTING ALARM SYSTEM

The alarm consists of both audible and visual indicators and will operate under the following conditions:

- Signal lead broken.
- Signal lead disconnected.
- Signal generation failure due to internal power supply failure as an example.

To test, disconnect one of the signal leads and the audible alarm will sound together with the red light flashing on the front of the u