

# User Instructions for the Scalebreaker SB03 and SB03PLUS Water Conditioner Unit



## INSTALLATION INSTRUCTIONS

### This unit is suitable for use with water inlet pipes up to a maximum diameter of 1" (25mm) or 1.5" (38mm for the PLUS unit)

The unit is supplied with a moulded power supply within a mains power supply plug attached to approximately 2 metres of cable, together with an aerial wire with a jack plug at each end. Two or more pieces of double- sided tape are already attached to the rear of the unit for final fitment purposes.

Correct positioning of the unit is essential. There are basically 3 different areas within the premises in which the unit can be fitted. These are listed below with the most effective site listed first.

Site A: Your Scalebreaker is designed to treat the whole premises, and it does this when fitted on the rising cold water main after the stopcock but inside the premises.

Site B: If this is inconvenient your Scalebreaker may be installed anywhere on the cold water feed to the main cold water tank. The signal will still be propagated to the entire system, although the nearer it is to the rising main the better.

Site C: If only the hot water system is to be treated, then, the best location for your Scalebreaker unit is on the cold water feed to the hot tank.

Ensure that there is a 230 Volt mains socket within reach of the mains plug. If the pipe is some way from the mains socket then please obtain a longer length of aerial wire from your Scalebreaker Distributor - the pipe can be up to at least 20 metres away from the mains socket.

Fix the unit to the wall close to the pipe but within reach of the mains socket. If the pipe is some way from the mains socket obtain a longer length of aerial wire from your Scalebreaker Distributor - the pipe can be up to at least 20 metres away from the mains socket.

Coil the aerial wire around the pipe with between twenty and thirty turns (the more the better), in a tight coil and fix a cable tie at each end to secure the coil. (Hint: In order to assist keeping the coil tight it does help to temporarily fix the first turn with a piece of sellotape to the pipe prior to winding the remaining turns and finally fixing with the cable ties.)

Insert both the aerial wire jack plugs into the two sockets within the unit and then insert the mains plug into the 230 Volt mains socket.

## **Installation instructions (continued)**

Switch the unit on and the green power light should now be on together with one of each of the orange lights. One orange light will now operate one at a time with varying speeds which indicates that the unit is operating correctly. Should the orange lamps not flash when the unit is switched on then switch the unit off for approximately 2-3 minutes and switch on again. If they are still not flashing then contact your local supplier.

After 4-6 weeks a noticeable effect should be recognised with reduced scaling, although the length of time for this to occur will vary depending upon the initial amount of scaling which is present within the system.

Should you have any queries concerning installation, or are in any way dissatisfied with the system then please contact your local supplier who will be able to assist you.

### **IMPORTANT INFORMATION**

- 1) The Scalebreaker range of products are designed and manufactured to IEC 60335-1 and are each defined as a Class II product.
- 2) If the mains lead is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- 3) **Power must first be switched off when working on, installing or removing any parts of the unit.**
- 4) Units at present are supplied with a power supply within the mains plug as shown in the illustration or with a standard mains plug as described in the instructions. There is no difference in specification of the units