

FITTING THE UNIT



The Black Box is normally fitted at a point shortly after the cold water rising main enters the property - however - if the water system utilizes a large storage tank that gravity feeds all systems, the Black Box is better sited on the output side of the tank (if two pipes exit the tank, wind the aerial wires around each pipe). You can also fit the Black Box on the feed as a dedicated treatment for "scale hot-spots" such as a combination boiler or a hot water cylinder. The signal from the Black Box radiates along the pipe in all directions, so do not worry if pipes branch off the system before a point where you can fit the aerial wires.



The wires must be wrapped tightly around the pipe, direction of the wind, distance between the coils and orientation of coils is irrelevant. Secure the ends of the coils with the cable ties provided (or electrical tape) to ensure they do not become unwound.



Stick the control box to a surface that does not expose the unit to excessive moisture and then switch on, the lights will sequence confirming the progression of the de-scaling program.



OTHER PRODUCTS

Pozzani are a British company specializing in the manufacture of small water treatment products. Other products in our range include:

- Drinking Water Filters
- Water Softeners
- UV Sterilizing Systems
- Water Coolers
- Reverse Osmosis Systems (domestic and industrial)
- Iron Removal Systems
- Other specialist water treatment systems e.g. de-mineralisation, nitrate removal, fluoride removal etc.

Call our Technical Help Line 01507 608100 for advice or problem solving and recommendation.

“For over 15 years Pozzani have supplied products that improve the quality of water services while helping to protect the environment.”

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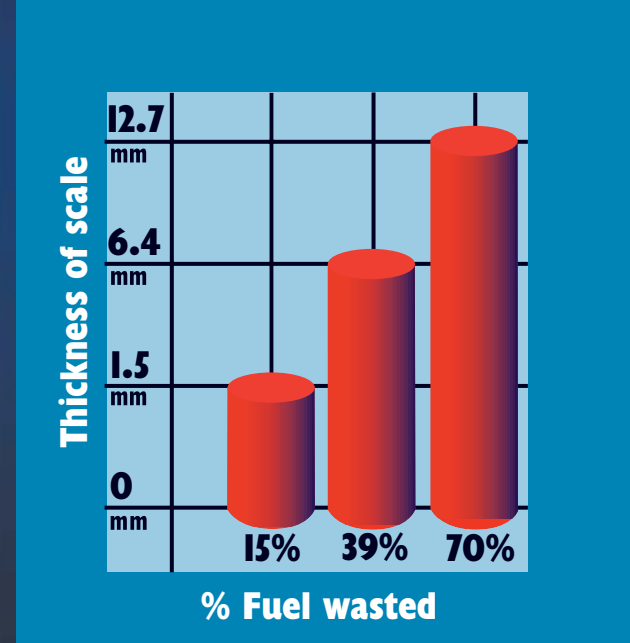
BLACK BOX

COMPUTERISED SCALE INHIBITOR

Cost effectively cures the problems of hard water scale

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- Prolongs the life of heating elements and appliances
- Preserves pipework and valves
- No plumbing required
- No need for chemicals, salt or ongoing maintenance
- Simple to fit and safe to use
- Guaranteed for 5 years
- 3 month money back assurance



Hot water cylinder with hardwater scale

15mm copper pipe choked with hardwater scale



WHY FIT A SCALE INHIBITOR?

Most householders in hard water areas will have first hand experience of damage caused by limescale. Limescale results in a shorter life span for appliances such as washing machines, dishwashers and showers, whilst pipework, heating elements, showerheads, valves etc easily become choked with scale causing poor heating efficiency and waterflow.

Hard water ruins thousands of hot and cold water systems and general household appliances each year.

Limescale is also responsible for those unsightly stains on taps, sinks, baths and toilets.

The cost for restoring or replacing plumbing and appliances far outweighs the investment of installing a Scale Inhibitor.



WHY SHOULD YOU CHOOSE A POZZANI BLACK BOX?

Pozzani's Black Box has been specially designed for simple installation and reliable operation, whilst having the ability to cope with the widely varying mineral make-up found in hard water areas throughout the country. Fixed signal devices do not have this ability.

Most importantly the Black Box uses some of the most advanced and reliable radio frequency technology to combat scale, a factor that also makes it remarkably price competitive, enabling you to quickly recoup your initial outlay.



HOW DOES THE BLACK BOX WORK?

The Black Box transmits low frequency radio signals which are varied by a micro-processor over a four minute loop program. These signals are transmitted to the pipe work via two aerial wires wrapped around the cold water pipe near to the rising (incoming) main. All copper, plastic and iron pipes are suitable for treatment (but not lead).

The transmitted signals destabilise Calcium Carbonate (CaCO_3) and Magnesium Sulphate (MgSO_4) ions causing them to take up a new crystal structure. These minerals then lose their bonding characteristics so their tendency to stick to any surface is dramatically reduced.

This change in structure lasts for about a week, under normal use the treated water will have been used without the detrimental effects of scale. Where water has been treated yet remains static for more than 1 week (eg whilst on holiday), it is a good idea to run off some water.



WHAT'S THE EFFECT OF THE BLACK BOX TREATMENT?

Approximately six weeks after installation, you will notice that the shower head remains clear, and limey deposits on taps become less visible. You may also notice that less soap is required to make a lather, and the cleaning of baths, sinks, toilets, etc, should also become considerably easier. As well as preventing scale forming, existing scale will tend to dislodge and break-up. You may observe small scale particles being flushed from your system, although existing scale usually dissolves into solution.

Please note that the effects of this treatment are usually diminished when water is boiled, so deposits may still appear in your kettle.

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Pozzani's policy of continual technical development may result in data and specification changes without notification.