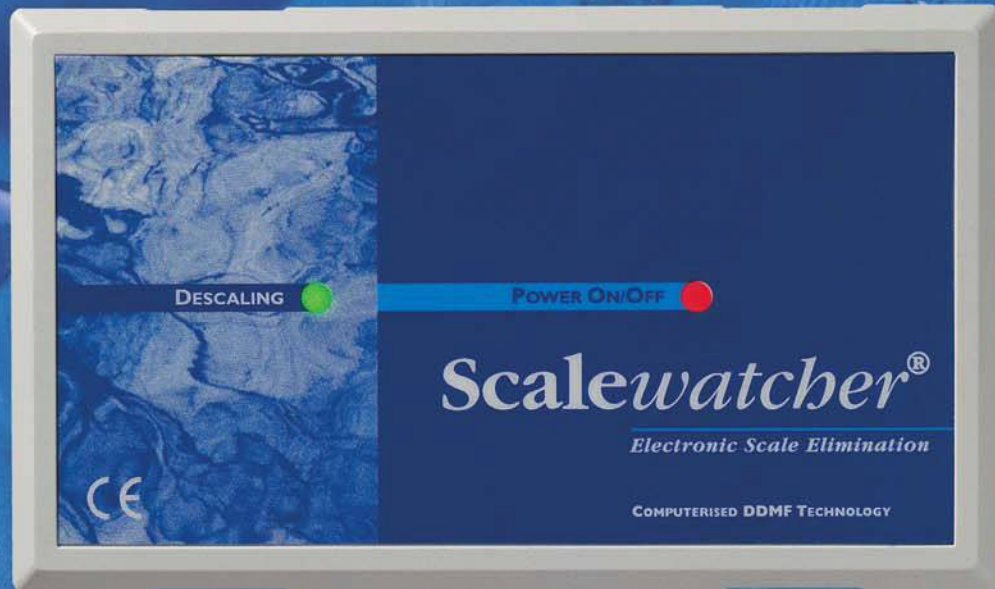


®

Scalewatcher®

Electronic Prevention of Hardwater Scale



A compact
and powerful
computerised
electronic water
conditioner

*The
simple
solution
to hard
water*

Track record Tested & proven



As the pioneering market leaders in electronic water conditioners for home and industry, *Scalewatcher* has been tested or reported on by:

- **1991** Daily Mail, Ideal Home Exhibition - Blue Ribbon Award
- **1992** Kitchens Magazine
- **1993** Perfect Home Magazine
- **1994** Home Building and Decorating Magazine
- **1995** Garden Answers • Build It Magazine
- **1996** Bathroom and Kitchens Magazine
- **1997** Practical Householder
- **1998** Essential Living
- **1999** Self Build and Design
- **2000** Professional Builder
- **2001** Heating and Plumbing Monthly
- **2002** Plumbing, Heating and Air Movement News
- **2004** 100% / RIBA Award

ROGER BISBY, EDITOR OF HOME BUILDING & DECORATING MAGAZINE, PRODUCTS EDITOR OF PROFESSIONAL BUILDER MAGAZINE AND A REGISTERED PLUMBER

I have been running a Scalewatcher in my house since January 1993. I can confirm it worked in accordance with the manufacturer's claims and continues to work very well.

PERFECT HOME MAGAZINE

Yes it does work. We've given a sample a 'road test'

Helping British Industry

In 1990 *Scalewatcher* won the What's New in Industry Award - for services in maintenance. Companies such as Nissan, Avon Tyre, Holiday Inns and Commercial Union are just a few of the household names which have benefitted from its use.

Scalewatcher Guaranteed to work

If *Scalewatcher* sounds too good to be true, here's your guarantee that it isn't! *Scalewatcher* is a tried and tested electronic descaler that we guarantee will prevent hard water problems and reduce existing lime scale or your money back.

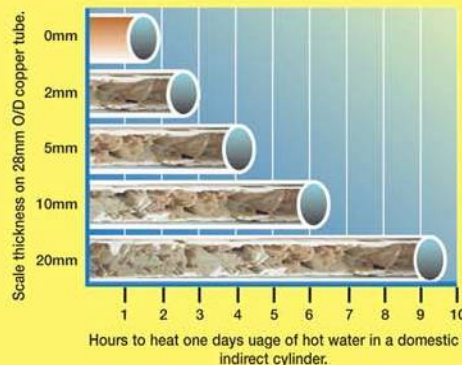
Hard water the problems....

- Scaled-up pipes, boilers and hot water systems
- Unsightly scale on baths basins and toilets
- Scaled-up washing machines, dishwashers, kettles, and other appliances
- Blocked showers and taps
- High usage of soap and detergent
- Dull cutlery, glasses and crockery



What about the unseen extra fuel costs?

Heating scale wastes money and increases boiler running time.



With no scale on its heat exchanger, a domestic hot water cylinder takes 1 1/2 hours to heat up; with just 5mm of scale the boiler has to run for over 4 hours, wasting 2 1/2 hours of fuel.

Courtesy of The University of Portsmouth

Money back... guarantee



Scalewatcher®

the solution

Scalewatcher is a compact, computerised electronic water conditioner, which will descale your existing system, prevent new scale from forming and save you money from the moment it is installed.



One **Scalewatcher** protects the whole house and costs less than £3 a year to run.

Scalewatcher - *the advantages are clear...*

■ Descales the Whole Water System

Just one Scalewatcher fitted to the rising main will descale and protect your whole house. Existing scale is reduced and formation of new scale is prevented.

■ No Chemical Changes to the Water

Unlike water softeners nothing is added to the water and nothing is removed. Water remains chemically unchanged, retaining the beneficial minerals and tastes the same.

■ Easy Installation - Fit and Forget

Simple DIY installation- no plumbing - can be easily removed when moving house. No maintenance required.

■ Saves on Fuel Costs

Scalewatcher will remove existing scale from your water system, returning it to its original efficiency, thus saving on fuel costs.

■ Low Energy Consumption

Uses 2 watts of electricity - costing around £3 a year to run.

■ Prevents Scale

Existing scale around taps, baths and basins softens and can be easily removed. New scale will not form. Baths and basins remain clean, cutlery, crockery and glassware sparkles. Boilers, hot water cylinders and appliances last much longer.

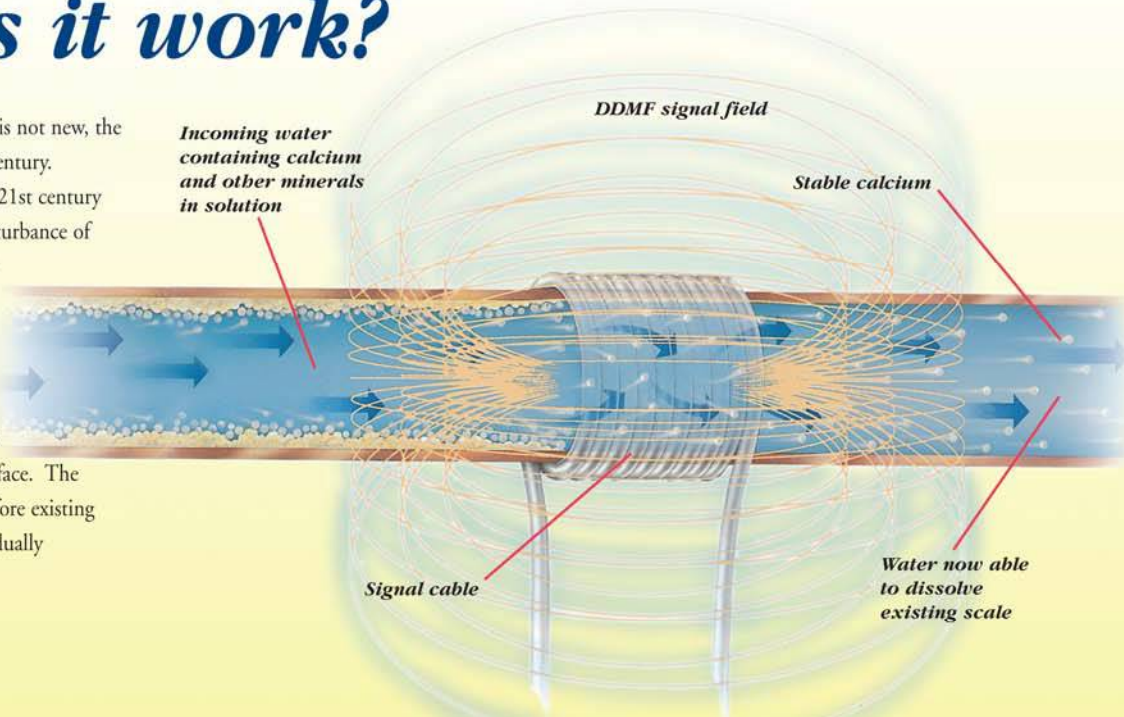
■ Suitable for all types of pipework

Copper, steel, lead or plastic pipes can all be easily treated.

How does it work?

The principle of physical water conditioning is not new, the first patent was taken out at the turn of the century.

Scalewatcher takes this knowledge into the 21st century by the application of DDMF - Dynamic Disturbance of Molecular Forces. The electronic unit works by sending out a computerised modulated signal which changes the electrical and physical properties of scale-forming calcium molecules. This action stops any further build-up of scale by preventing the molecules from adhering to themselves or any other surface. The solubility of the water is also increased, therefore existing scale is dissolved back into the water and gradually removed.



Scalewatcher®

Product details & guarantees

Specification:

Resin sealed solid state circuitry housed in a high impact thermoplastic enclosure.

Power:

220/240V 50/60Hz with internal 12V transformer.
Other voltages available.

Controls and Indicators:

All units are fitted with 2 signal indicators for mains power and descaling signal.

Electrical Standards:

Scalewatcher conforms to EEC Manufacturing Standards of Electrical Safety IEC 335 and CE mark. The units are hermetically sealed to IP54 and can be operated safely in damp surroundings

Dimensions:

The dimensions of a standard domestic unit are 145mm wide, 85mm high by 52mm deep.

Weight:

Unit only 600g Packaged 820g

European Patent No. 0357102

USA Patent No. 5074998

TECHNICAL INFORMATION

Current consumption:	≤30 mA
Overload Protection:	Short circuit proof transformer
Application Voltage:	6 Volts
Modulation Frequency:	0.5–5kHz
Signal Coil Cable:	one core white, 3 metres length
Capable of driving:	2 Coils
Mains cable:	3 metres with moulded on mains plug and 3 Amp fuse

Manufacturer's Guarantee

All Scalewatcher units carry a 5 year guarantee on materials and workmanship.

Performance Guarantee

If you are not satisfied with the performance of Scalewatcher after 6 months continuous use we will refund the purchase price in full.

Every boxed unit contains:

- Scalewatcher DDMF Signal generator with 3 metre mains cable and plug with 3 Amp fuse
- Signal Cable sufficient to mount unit up to 1 metre from coil
- Cable Ties
- Mounting Screws and Wallplugs
- Detailed fitting instructions, guarantee and performance guide

Scalewatcher - What to look for

- The softening of scale around the taps
- Scale flaking away from the kettle and shower rose
- Water often feels silkier
- Water feeling hotter
- The ability to reduce the amount of soap, shampoo, detergents and cleaners
- Clothes retain their colour and softness
- Easier cleaning of surfaces, especially baths, basins and sinks



To receive a copy of our industrial brochure please telephone: 01491 419200
Email: sales@scalewatcher.co.uk

Your Local Agent

Sole UK Domestic Distributors

Fast Systems Limited
Dalton House
Newtown Road
Henley on Thames
Oxfordshire RG9 1HG
Tel: 01491 419200
Fax: 01491 419201
Email: sales@scalewatcher.co.uk

Scalewatcher[®]

Electronic Elimination of Hardwater Scale

Hard Water Problems? The Answers

If you have hard water problems you have several choices:-

1. Ignore It

Usually the most expensive option when you count the cost of hard water scaling damage to your hot water system, washing machine, taps, showers, irons, coffee machines, as well as higher fuel costs (1/4" of scale in your hot water system increases cost by 40%), hard water marks around taps and basins, extra soap costs and the damaging effect to sensitive skin.

2. Buy a water softener

Costs depend on size but are between £350 and £1000 and between £30 and £150 a year on salt. You also have to remember to fill the softener with salt and it is not recommended to drink the water.

3. Buy a magnet or other in-line device

Magnets that clip onto the pipe cost from £25-£100. These are usually found to be partially effective and tend only to work under ideal flow conditions. The water generally stays treated for only a short period and therefore to treat a whole house a number of these are needed and the effect is generally not

powerful enough to remove existing scale. Other in-line devices are usually either ionisation or catalytic and have been found to suffer some of the same limitations as magnets with variable results.

4. Buy a Scalewatcher

A Scalewatcher uses the same principle as magnets but uses powerful high audio frequency signals that are designed to effectively treat all water conditions and flow rates. The water stays treated for 5 days or more and one unit can therefore treat the whole house. Existing scale is removed with consequent saving on hot water costs and if you have sensitive or dry skin you will be amazed by the relief Scalewatcher gives you. Proven in industry over many years the Scalewatcher brings the latest scale prevention technology to your home. The six month performance guarantee gives you the assurance of effective scale treatment or your money refunded. The cost is usually half the price of a water softener with a running cost of £3 a year. If it sounds too good to be true then try one - you will be amazed by the results.

Any questions? Just call us on 01491 419200. We will be only too happy to help.

THE SCALEWATCHER ADVANTAGES

- The original electronic conditioner with nine years of industrial and domestic experience
- Proven 98% success rate
- Tested by independent magazines and Portsmouth University
- Audio frequency system (no interference)
- Internal transformer and technical helpline and visits if needed
- Meets all EEC electrical standards - C.E. mark
- Patented single coil system (minimum pipe space needed)

Scalewatcher®

Electronic Elimination of Hardwater Scale

The Scalewatcher Advantage

Launched twenty years ago, the Scalewatcher is the original electronic conditioner and remains the highest quality and most effective product of its type on the market.

Whilst we are flattered by the number of copies that have appeared on the market, when comparing other products it is worth considering the following points.

- **How long on the market?** - Scalewatcher has twenty years market experience.
- **Success rate** - Scalewatcher has a proven 98% success rate.
- **Tested or reported on by** - Perfect Homes, Home Building and Decorating, Build It, Practical Householder, Kitchens Bedrooms and Bathrooms, Essential Living, and Garden Answers. No other product has this test record, and some have no consumer tests.
- **Audio or radio frequency** - Scalewatcher uses a patented audio frequency system. Most other products therefore use radio frequency. This needs more space for two coils, can interfere with radio and T.V. and is not as effective.
- **Transformer** - Scalewatcher has a built in transformer - others often use external transformers built into plugs. These have a limited life, usually five years, are difficult to replace and can run hot.
- **Designed to last** - Scalewatcher has a computerised circuit board protected by resin encapsulation with an estimated life of twenty years. Most others have no protection and therefore are prone to corrosion, with an expected life of around five to ten years.
- **External Box** - Scalewatcher is boxed in a high quality box designed for a twenty year life. Others are usually a very thin plastic with a life of around five to ten years.
- **Technical Support** - We offer a free technical visit if required in addition to our telephone help line.

No other product on the market has all the features of the Scalewatcher, which adds up to the best performing, longest lasting water conditioner available.

Scalewatcher®

Electronic Elimination of Hardwater Scale

Scalewatcher in Commerce and Industry

Scalewatcher originated in industry and has a dramatic success record with installations on pipework up to 40" diameters and in 1990 won the "What's New in Industry Award" for its services to major industrial customers. Some well known users are listed here who request not to be contacted direct.

Our associate company offers a full range of industrial and commercial units. If you would like further information, please call us for a commercial/industrial brochure.

Anglian Water	H J Heinz Co	Metropolitan Police	St Thomas' Hospital
AWE Aldermaston	Harefield Hospital	Mid Kent Water	Starbucks Coffee Company
B & Q plc	Hewlett Packard	Nissan Cars (UK)	Sun Life of Canada
Bank of England	Hilton Hotels	Novotel Hotels	Tate & Lyle Europe
Barnardo's Property Services	HMS Nelson	Nuclear Electric	Thames Water
Birds Eye Walls Ltd	Hozelock Ltd	Proctor & Gamble	The Belfry Golf & Country Club
British Broadcasting Corporation	ICI Agrochemicals	Queen Elizabeth Hospital, Barbados	The Boots Company PLC
British Sugar	Ipswich Hospital	RAF Mildenhall	The Brewery Research Foundation
Britvic Soft Drinks	Jersey Electric Company	Ricoh (UK)	The National Trust
Canary Wharf Management Ltd	John Lewis	RN Aircraft Yard Fleetlands	Unilever Ice Cream & Frozen Food Ltd
Corus UK Ltd	Johnson & Johnson	Rothmans of Pall Mall	University of Cambridge
Dairy Crest	Kings School	Royal College of Physicians	University of Oxford
Department of Environment	Kings College Hospital	Schlumberger Industries	Wadworth Brewery
Everest Frozen Foods	Legal & General Insurance	Smith & Newpew Medical Fabrics Ltd	Waitrose Ltd
GoodYear Tyres	London Borough of Southwark	SmithKline Beecham	Wessex Water
Guinness Brewing	London Bus	Southern Water	Whitbread plc
Guys Hospital Medical School	Manor Bakeries Ltd	St Pauls Cathedral	Yorkshire Water Services Ltd
	Marriott Hotels		
	McCain Foods		

Scalewatcher®

Electronic Elimination of Hardwater Scale

What people say about Scalewatcher

"It has quite obviously helped to eliminate scale. Certainly inside six months there was obviously a big improvement."

Build It, March 1996.

"The first effect of the one we tested was to release the scale which had built up within the electric shower, with significantly less scale forming around the bath and basin taps, making it easier to keep the place clean."

Practical Householder, May 1997.

"Yes, it does work. We've given a sample a road test."

Perfect Homes, January 1993.

"Now, the immersion heater element is clean. The torchlight inspection revealed no scale build-up on the indirect cylinder coil."

R. Bisby, Test Report.

"Confirming your guarantee of eliminating scale, which it most certainly does with spectacular results."

Plumbing Lecturer, Hammersmith and West London College.

"No longer do I need to use the oil or cream and my skin is not cracking. So! No scaly kettle and no scaly skin."

Eczema suffering nurse, Mrs Moody, Hants.

"I can thoroughly recommend Scalewatcher from every point of view."

R W Lowden, Hampshire.

"The most dramatic difference has been in scale removal and the washing machine."

S R New, Bournemouth.

"In conclusion, I would certainly recommend this appliance as a sound investment."

D G McSherry, London.

"It has performed entirely up to the standards in your performance guide and therefore I am delighted with the product."

D A Dunkley, Surrey.

"It really works. Things just do not scale up any more."

Technical Officer, RAF Mildenhall.

"I am pleased to say it appears to be working satisfactorily. Within a few weeks of installation the showerhead was free of scale, and it is now much easier to clean the shower base and round taps in the basin. I will certainly recommend to anyone who might be interested."

Mrs Paine, Hants.

"I suddenly noticed that my hands which had been dry and scaly, were now soft and silky."

F E Smith, Finchley.

"It seems to do all the things you claim for the system. Lavatory cisterns now sparkle and the scale has fallen off round taps, dishwasher elements and kettle casing and elements. Marks have vanished in basins and lavatory pans and glasses dry without water marks. A truly remarkable device and one which we can thoroughly recommend."

R A Wartnaby, Coventry.

"Within days of its installation I was able to clear the scale which had built up around my taps, shower head, sink, bath and wash basin."

R J Dyke, Dorset.

"The toilet bowls are now scale free which makes them easier to clean. My wife and daughter have noticed that their hair is softer after washing and they use less shampoo."

B Hodges, Staffs.

Copies of originals are available upon request.

Fast Systems Limited, Dalton House, Newtown Road, Henley-on-Thames, Oxon RG9 1HG Tel: 01491 419200 Fax: 01491 419201

Scalewatcher®

Now tested and endorsed by Roger Bisby



Roger Bisby is products editor of Professional Builder magazine and is also a registered plumber. He has a weekly trouble shooting spot on London Radio and appears regularly on national television as a spokesman for the plumbing and heating industry.

“ I have been running a Scalewatcher in my house since January 1993. My test for Home Building and Decorating magazine was completely objective.

I can confirm that it worked in accordance with the manufacturer's claims and continues to work very well. In reducing the build up of scale in your hot water system it can save you a considerable amount of money. Tests show that as little as 3 millimetres of scale can increase fuel costs by 15%. Most houses in hard water areas have a lot more than this, so a Scalewatcher could pay for itself in a couple of years - after

which it is putting money into your bank. That's the product but what about the company selling it?

With so many inexperienced companies now entering this market you need to be sure that the guarantee is genuine. Scalewatcher is the original electronic water conditioner launched in 1989 and I can confirm that Fast Systems is achieving a genuine 98% success rate with the product. They aren't in business to give money back but if they can't solve your scale problem you will be given a full refund, without fuss or quibbling. ”

Scalewatcher®

The simple solution that really works

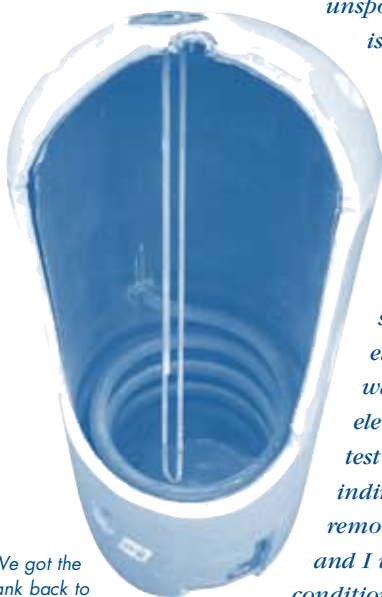
“ We had your electronic descaler fitted in may 2002 as we had just had a new bathroom fitted and wanted to keep taps etc unspoilt with water scaling (which is very bad in the area we live with the hard water)and we already had bad scaling on our other sanitary fittings.

Since then the new taps are still like new and the old taps and toilet became clear of old scale a few months after the electronic descaler was fitted. I was very happy with your electronic descaler but the main test was today when we had our indirect hot water cylinder removed because it was leaking and I was interested to see what condition the tank was in inside as it was originally fitted 20/1/88. With a torch I could see how clear the tank and coil were despite being 18 years old. I could see no scale at all except for some small loose

lumps of scale in the bottom of the drained tank. What a contrast to the previous hot water cylinder we had removed in 1988 which was completely furred up with scale. I was elated to see how well your descaler had worked because we are about to have a new combination boiler fitted and I am totally confident that your descaler will keep it running efficiently.

The local plumber was also very impressed with the clean condition of the cylinder after such a long period of time. The water cylinder was leaking from the bottom rim and the plumber who removed it believes the leakage was caused by old flux which plumbers used to use fitting these tanks. He believes the flux contained acid which slowly ate away at the copper rim. We are about to fit another one of your descalers in our refurbished second home. ”

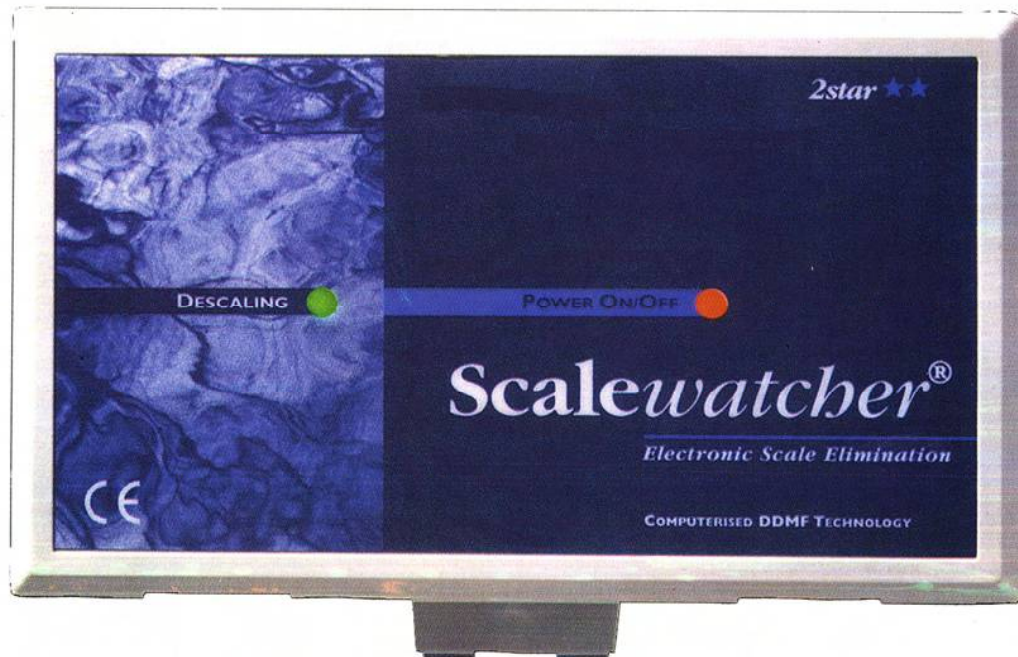
Mrs E Jackson
Crowthorne, Berks



We got the tank back to Fast Systems HQ and cut it open - this is what we found.

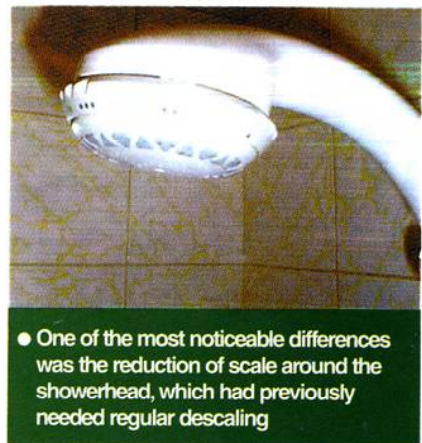
INSTALLATION CASE STUDIES

Heating Plumbing Monthly



TRIED & TESTED Scalewatcher

HPM tries to 'fit and forget' a Scalewatcher electronic water conditioner. But how did it fare when we remembered to look in on its progress?



● One of the most noticeable differences was the reduction of scale around the showerhead, which had previously needed regular descaling

As you may have previously read, within comments featured in HPM, there seems to be equally divided camps on the effectiveness of electronic water descaling products. The survey carried out in the September issue of HPM, last year, showed readers were split exactly down the middle on their opinion of the effectiveness of the products available.

Here at HPM we've been conducting a long-term test on a Scalewatcher unit, which the company bills as an 'electronic water conditioner'. The product claims not only to stop scale forming, but also to gradually dissolve existing scale.

So what sets it apart from other units?

Well, the one thing that the company's literature reveals is that the unit uses a patented audio frequency system. Apparently, most other units

use a radio frequency which can interfere with radio and TV reception, and use two coils. This is perhaps the most noticeable difference, because when you fit the unit you only have to carry out one winding procedure around the pipe and then run both ends of the wire back to the unit.

The company say that the unit's 'built-in transformer' helps aid reliability and extends the lifespan of the unit which, although it offers a five year guarantee, it expects to be up to 20 years.

So how has the unit performed?

This is similar to the old adage that "a watched pot never boils." With a test of this type you need to set the unit up and forget about it for a while. Once you've done this and then remember it (or are reminded) more than a few months later, you suddenly realise that the showerhead has yet to be descaled, and

similarly the debris in the kettle is greatly reduced.

In fact, the residents, having suffered from living in a hard water area, said that alongside the main noticeable difference with the showerhead and the kettle, there was even a noticeable reduction in scale around the taps, and the scale that was still found there was easier to clean and remove. And, if the external scale is being actively reduced, the internal pipework is hopefully undergoing a similar treatment.

Although the unit returned a highly favourable result from our test here, it is widely agreed that these units do not work in every situation and location. Perhaps the best testament to the product is with the manufacturer's performance guarantee - where it says that if you are not satisfied with the performance of a Scalewatcher unit after six months it will refund the purchase price in full ●

ENQUIRY NUMBER 192

Choosing the correct Scalewatcher

Model	Size of house	Pipe size guide (External Diameter)	
		MM	Inches
1 Star	Flat/Small House	7-15	1/4-1/2
2 Star	Medium House	15-22	1/2-3/4
3 Star	Larger House	15-28	1/2-1

Sizes: The above table should be used as a guide only based on usual flow rates and water storage. If you have any doubt on which size you need please call us on 01491 419200.

Pipe Material: Scalewatcher is effective on all types of pipe material including copper, plastic, rubber, steel and lead.

Water Hardness: All units are designed to be effective with maximum degrees of water hardness.

Performance Guarantee: If you are not satisfied with the performance of Scalewatcher after 6 months continuous use we will refund the purchase price in full.

Manufacturer's Guarantee: 5 years

Delivery: Prices include postage, packing and insurance

Methods of payment

You can pay for your Scalewatcher using any of the following options

Option 1 Full payment with order **NO CREDIT CHARGE**

Send 1 payment with order form by cash, cheque or credit card

Option 2 Split payments **NO CREDIT CHARGE**

Send 2 payments with order form

1 payment date of order

1 payment dated one month later

Option 3 Three monthly payments **WITH CREDIT CHARGES**

Send 3 payments with order form

1 payment date of order

2 payments post dated monthly

1 star £57.74 x 3 2 Star £88.56 x 3 3 Star £114.68 x 3

THE ABOVE PAYMENTS INCLUDE THE FOLLOWING CREDIT CHARGES

1 STAR £4.00 2 STAR £6.00 3 STAR £8.00

Option 4 Four monthly payments **WITH CREDIT CHARGES**

Send 4 payments with order form

1 payment date of order

3 payments post dated monthly

1 Star £44.05 x 4 2 Star £67.54 x 4 3 Star £87.51 x 4

THE ABOVE PAYMENTS INCLUDE THE FOLLOWING CREDIT CHARGES

1 STAR £7.00 2 STAR £10.50 3 STAR £14.00

Note: Monthly payments can be made by cheque or credit card.

