

AN EFFECTIVE MEANS OF TREATING HARD WATER



Scalewatcher Commercial weatherproof, special for outdoor installation

Easily fitted and requiring no plumbing or maintenance, Scalewatcher benefits include:

- Prevention of scale formation
- Removal of existing scale layers
- Increased life of water related equipment
- Lower energy bills
- Reduced mechanical damage and failure
- Short term payback
- Environmentally friendly, uses no chemicals
- No cutting of pipes



before



after

Hard water substantially increases energy consumption, necessitates downtime for cleaning and results in the early renewal of capital equipment. Executives involved in running a business, local government department or institution are under increasing pressure to cut costs and become more efficient. However this must be carried out with due regard to increasing environmental legislation.

From its many years experience in treating hard water problems, **Scalewatcher** has refined and developed its Electronic Descaling Systems. These provide companies with a clean, effective and environmentally friendly means of removing and preventing limescale build-up.

Advances in micro-electronics have enabled **Scalewatcher** to produce a system which is so compact that it can be installed in small or normally inaccessible spaces. Ideal for commercial applications such as laundries, hotels, garages, sauna's, buildings, greenhouses, farms, hair-dressers and bakeries. It is suitable for all types of pipe material up to 8 inches in diameter.

Scalewatcher®

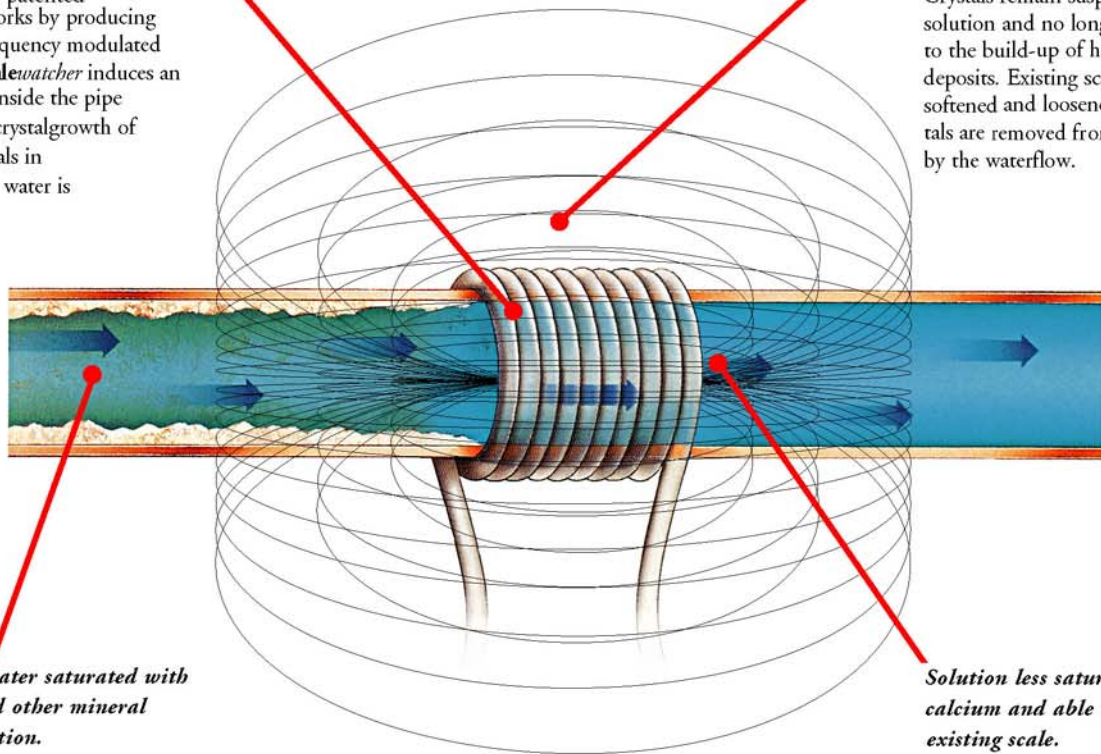
HOW IT WORKS

Signal cable wrapped externally around pipe.

Complex modulated signal field.

Scalewatcher's patented technology works by producing a complex frequency modulated waveform. Scalewatcher induces an electric field inside the pipe whereby the crystal growth of scaling minerals in the promoted water is

Crystals remain suspended in solution and no longer contribute to the build-up of hard pipewall deposits. Existing scale layers are softened and loosened scale crystals are removed from the system by the waterflow.



Incoming water saturated with calcium and other mineral ions in solution.

Solution less saturated with calcium and able to dissolve existing scale.

Technical Specifications

Each model comprises of a **Scalewatcher** unit, signal cable, ties, plugs and clear instructions.

Power: Units can be supplied to comply with any power requirement.

Materials: Electronics hermetically sealed. Enclosures made of high grade thermoplastic. Special enclosures can be manufactured if required.

Control & Indicators: All units are fitted with a LEDS showing correct operation, providing power applied and signal coil connected.

Designed for Reliability:

Only high quality electronic components are utilised, including a custom designed chip (IC) controlling signal generation processing.

Designed for Safety:

The **Scalewatcher** conforms to Electrical Safety Standards. Units are hermetically sealed and can operate safely in damp conditions.

The output is safe to both personnel and sensitive equipment. There is no electrical contact with the pipe or appliances

There are **Scalewatcher** Systems available for **domestic, industrial** and agricultural applications capable of treating pipework ranging from 0.5 inch to 80 inch in diameter regardless of flow rate.

Call your authorized Scalewatcher dealer to find out more.

Scalewatcher®
Electronic Scale Elimination



The manufacturer has a policy of continuous improvement, and reserves the right to amend product specification without prior notice. **Scalewatcher** is manufactured by Scalewatcher North America Inc., (USA) B&D Ingenieursburo B.V. (The Netherlands), **Scalewatcher** Vietnam Ltd., (Vietnam).

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USA Patent No. 5074998