

# Scale Defender can protect your whole house from limescale



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## FAQ

### Why choose Scale Defender over a water softener?

The yearly running costs of scale defender are much lower than that of a water softener, and it's much more compact!

### How long does a cartridge last?

40,000 ltrs - enough for the busiest household for 4-6 months minimum.

### Can it be fitted vertically?

The scale defender has to be fitted horizontally to enable the dosing system to work. We can provide elbows to assist with a vertical installation.

### What is Polyphosphate and are there any health risks?

No, this is food grade polyphosphate, and is WHO approved.

### How does polyphosphate protect against limescale?

Polyphosphate coats calcite in the incoming water. This coating means it won't stick to anything, so appliances will be free of limescale, but calcium will still, be left in the water, so its good to drink!

### Where is Scale Defender fitted?

Scale Defender is fitted just after the internal mains stopcock so it can provide whole house protection against limescale.

### Why choose Scale Defender over any inline sacrificial zinc anode?

Sacrificial zinc anodes are great at constant flowing water, however, with stored water aragonite will reform back into calcite, over time this will result in limescale in your heating system and storage tanks. It's like keeping a tyre topped up with air, without maintenance, the system will eventually fail.

## How to Install

### Installation is Quick & Simple.

(Detailed installation instructions are provided with the unit)

- Simply turn off your main stopcock to the property.
- Identify location as close to the stopcock as possible.
- Using the high-quality seals provided screw the  $\frac{3}{4}$ " Brass connectors to the system head.
- Cut into your 15mm or 22mm Copper or Plastic pipe.
- Make a watertight seal with the 22mm compression nuts & olives or with the 22mm x 15mm olive/reducers if required.
- Visually check for any leaks.
- Now all your appliances and fixtures are being protected from the harmful effects of limescale.

## Easy to Fit

Scale Defender should be fitted by a plumber, but at between 45–60 mins to fit it should only be an hours call out. Thereafter, it is **easy** to replace the cartridges, and the system requires **no ongoing maintenance**.



# McALPINE Scale Defender

**Tackles Limescale.  
Protects your home  
and your pocket.**



Limescale affects your pipework, boiler, radiators, taps, appliances and fittings and can lead to increased repairs or early replacement costs.

McAlpine Scale Defender can save hundreds of pounds as it keeps your heating system more efficient and helps prolong the life of pipes, fittings and appliances.

## Don't just take our word for it, this is what our customers have to say



The Scale Defender is very compact and is suitable for confined spaces, it also comes with two mounting brackets to fully secure the unit to the wall or inside a cupboard. I have installed many of the magnetic and electrolytic de-scaler's in the past but nothing compares to The Scale Defender. I would highly recommend The Scale Defender to any client who is looking to reduce the issue with scale within their property.

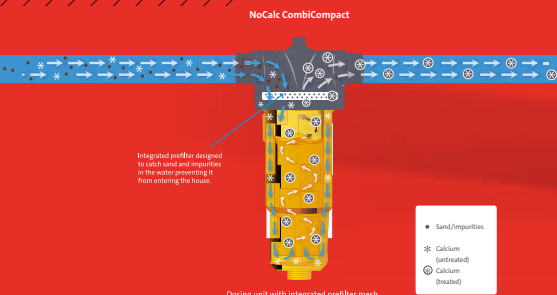
- Steve Daniels, Daniels Plumbers, East Carleton, Norfolk



I recently fitted the McAlpine Scale Defender to two properties in the well-known limescale hotspot of Flamborough, East Yorkshire. The first installation was in a large residential property, and the customer told me that within a week, a big difference had been noticed. The kettle doesn't scale up for a start. The second installation was in the Rose and Crown Hotel. The pub had been plagued by glass and dishwasher break downs, along with stained glassware. Within a week, the glassware was stain-free, and after 2 months, the landlord tells me the glass washer and dishwashers haven't broken down once.



- Peter Beattie, Classical Gas Plumbing & Heating



## Benefits to the Plumber

- Less than **one hour** to install.
- Once installed cartridges are **easily replaced**.
- Everything you need in **one box**, including the brackets and internal reducers for 15mm.

### Why would I purchase scale defender over competitor products?

Polyphosphate dosing compared to alternative scale reduction methods.

**Sacrificial Zinc Anode** — Changes the structure of calcite into aragonite. Aragonite will reform into calcite when stored.

**Magnetic and Electrolytic** — Either magnetically or electronically charges calcite, once again forming aragonite and once again, forming back into calcite.

**Water Softeners** — They're not suitable for drinking water as they strip the minerals out of the water and they're also not suitable for heating systems, leaving your boiler and cylinder unprotected from calcium buildup.



## Customer Solutions

### What Scale Defender will do for you!

- You'll notice you're **no longer cleaning** your kettle.
- Protects your heating system **against limescale**, and reduces existing build up, making your heating system **more efficient**.
- Provides a **simple to change cartridge**, throw the empty cartridge in the recycling and place in the new cartridge.
- Pays for itself from **savings on your energy bill**.

A 1mm layer of limescale in your boiler can amount to an extra £150 to £200 in household bills every year.

- Figures from the Carbon Trust

Scale Defender provides a **lifetime guarantee**. For more information scan the QR code below.



### Product Features:

