AA FIRST

information hub

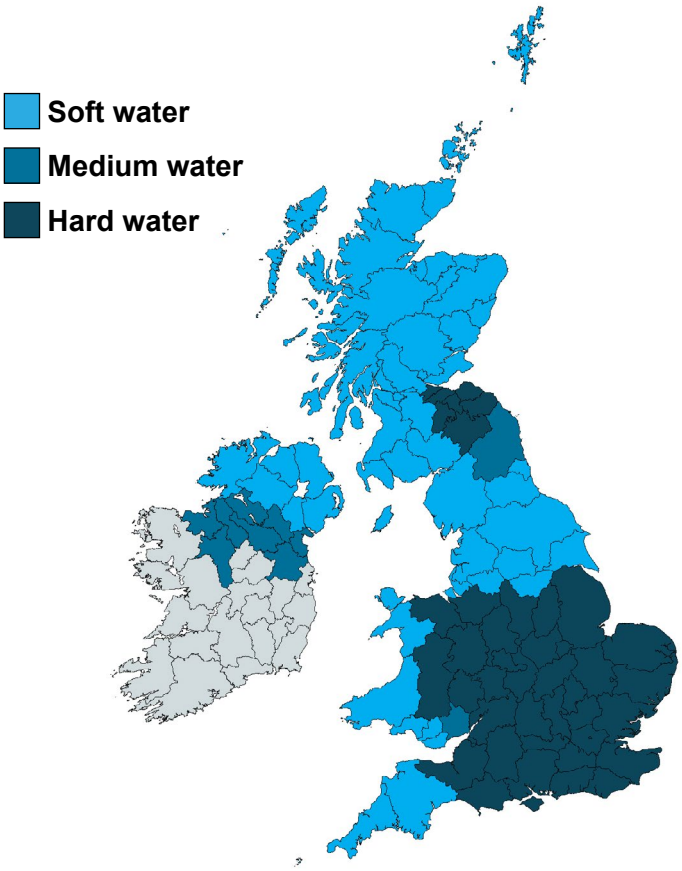
knowledge is strength

Issue 1

What Is Scale?

Scale, also referred to as limescale, is the buildup of a white, chalk-like substance that forms where water collects or where water is dispensed. Scale is most often a problem when water is heated or in water-using appliances that heat water.

Another contributing factor in the facilitation of scale is hard water. Hard water is mineral rich water that is common place in much of the South of England. The physical substance that you can see from scale is the residue of the minerals that the water has picked up on its journey to your appliance.



How hard is your water?

Click To Check Your Area

How Does Scale Impact Water Boilers?

Scale build up can cause a variety of issues that will affect hot water boilers and their performance. When left untreated, scale build up in water pipes will significantly impact a boilers flow rate. Scale build up can also speed up the deterioration of a boiler, reducing its lifespan and effectiveness.

In severe cases, scale causes significant damage to hot water boilers resulting in costly repairs and even machine replacements. The three biggest contributing factors to the build up of scale are:

1. The hardness of the mains water
2. The temperature of the hot water
3. The amount of hot water used

Preventing Scale

The only way to prevent scale build up in your hot water machine is to install a resin based scale removal filter. They eliminate the risk of scale build up by removing calcium and magnesium minerals which cause scale and subsequent corrosion. Regular carbon block filters, used for cold water machines, will **not** prevent the build up of scale in your hot water machine.

Unfortunately, whilst effective and essential, purpose built resin scale filters are significantly more expensive than cold water filters. They also have a finite lifespan, which decreases with every use.

How We Can Help

We stock Brita resin scale filters to help you proactively protect your hot water machines from scale. Our Brita resin filters are suitable for hot water boilers, being designed to handle high outputs of hot water.

BRITA®