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Issue 24 The information hub is designed to provide - mainly technical - information relating to Water Coolers and Boilers, to assist you with your work

Improve the Performance & Longevity of the High Performance ArcticStar55 Hot Water Cooler Through Regular Descaling

Scale poses a significant challenge for all hot water boilers. Hard water, high water temperature and excessive useage are the main contributing factors of scale build up. The booster feature of the ArcticStar55 Hot, which raises the water temperature to 95°C makes this cooler more suseptible to scale. Regrettably, there are no definitive guidelines regarding the descaling frequency of hot water boilers, but there are clear signs of scale.

Spotting the Signs of Scale

The most common indicators of scale build up include a slow dispense rate, continuous boiling and in severe cases, failure of the heating system. When these signs become apparent, take action and switch off the power to your machine and initiate the descaling process.

How Scaley Is Your Water

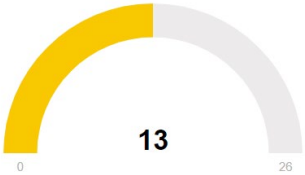
Hard water affects around 60% of all UK postcodes, mainly - but not exclusively in the south of the country. Hard water, when heated, creates scale. Scale is the enemy of hot & cold water coolers and water boilers.

If you are in a hard water area, you must protect your equipment to stop scale from building up, and to prevent the machine malfunctioning and breaking down.

We have created a Post Code Scale Checker, which is available to use on our website, it will tell you how soft or hard the mains water is at your installation site on a scale of 0-26. Just enter your postcode and check:

RG14 2TF | Check

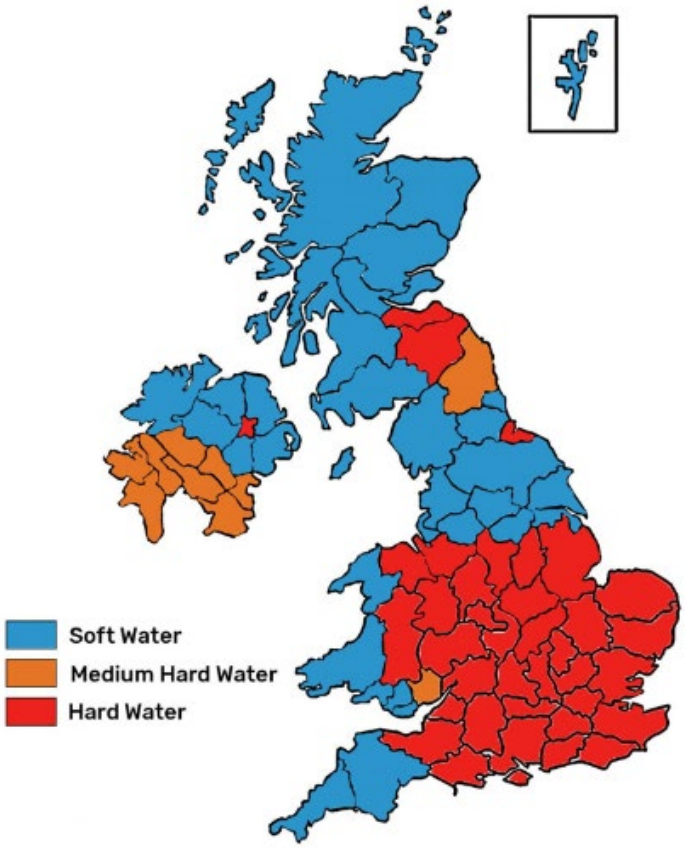
This is a hard water area



- 0 - 5 Soft Water - No Scale Filter
- 6 - 15 Hard Water - Resin Scale Filter, Highly Recommended
- 16 - 26 Very Hard Water - Must Use A Resin Scale Filter

How To Descale Your ArcticStar 55

1. It is recommended that descaling is done at a workshop.
2. Isolate electrical mains and disconnect water supply (bottle or mains).
3. Remove hot tank drain plug at the rear of the cooler & drain tank, then refit plug.
4. Drain cold water tank through dispense taps.
5. Mix descaler solution and add to cold water tank.
6. Allow solution to gravity feed into the hot tank.
7. Continue filling cold water tank with descaler to the top of the cold-water tank.
8. The foaming caused by the chemical reaction between scale and the descaler will cease when the process is complete. This usually takes around 45mins.
9. Drain solution from the cold tank through the taps and from the hot tank via the drain plug at the rear.
10. Flush system through thoroughly with cold water, draining at least 4 times. Make sure there is no residue, using pH paper if necessary.
11. Reconnect cooler to water (bottle or mains) and electricity supply and test for leaks and operation.



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