

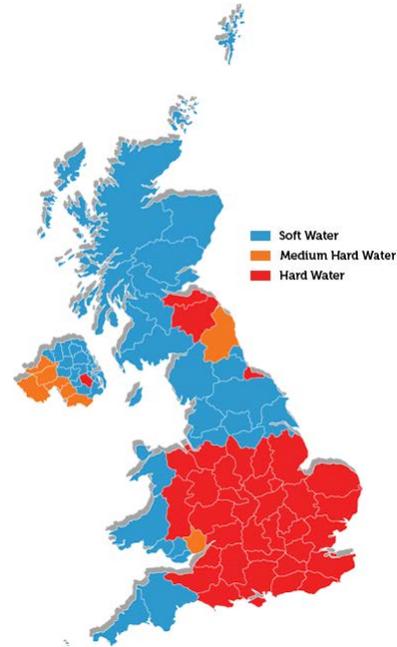
Issue 1 The information hub is designed to provide - mainly technical - information relating to Water Coolers and Boilers, to assist you with your work

SCALE!

Descaling Hot & Cold Water Coolers

If you are in a hard water area, you know of the problems with Scale! The hotter the water, and the harder the water, the greater the problem! If not descaled regularly the boiler will clog up with Scale resulting in breakdown.

Dedicated Hot Water Boilers can be protected against Scale with a proper Scale Inhibiting Filter. These filters are not cheap. Since they are "consumed" by the amount of HOT AND COLD water flowing through them, they are uneconomical for use with Hot & Cold Water Coolers. High performance Hot & Cold Coolers, such as our ArcticStar 55 Hot & Cold - which produces hot water at 95C/96C - are obviously more at risk than low temperature boilers. The ArcticStar 55 may save you the cost of a dedicated boiler, but in a hard water area will require more regular de-scaling.



Regular de-scaling of Hot and Cold Coolers is the only answer!

How often to descale will depend on the water hardness, the hot water temperature and the hot water usage. Depending on that, we would suggest every 6 to 12 months.

To descale with a commercially available liquid Descaling Agent is in fact very simple. You drain the water from the Boiler through the Hot Tank Drain at the bottom (Table Top) or back of the cooler (Floor Standing.) Remove the Baffle from the Cold Tank and feed the Descaler through the cold tank inlet into the Hot Tank until full. Fizzing of the Rinse indicates that the Descaler is eating away at the Scale. When the fizzing stops (which may take some time) flush the Descaler out with several charges of fresh water. Never leave strong descaler for longer than necessary in the Hot Tank, because it will eventually attack the Stainless Steel Tank itself and cause premature ageing on the non-metallic components.

PS Some companies prefer to swap the Cooler out to descale back at their workshop, which is often quicker and avoids potential H&S issues at the customers.



ArcticStar 55 with high performance Hot Water Boiler to 95/96C

