

Issue 9 The information hub is designed to provide - mainly technical - information relating to Water Coolers and Boilers, to assist you with your work

Filters for Water Coolers & Boilers

Carbon Block Filter



A Carbon Block Filter is the standard Filter used for Water Coolers. Its Filter housing should be made of food grade material and the Carbon Block should be of a pore size to remove 95% of solids above 1 micron to create a barrier against Giardia, Cryptosporidium and Cysts.

The main purpose of the Carbon Block is to remove the Chlorine taste and smell of the mains water. The Chlorine in the mains water is used to avoid the growth of bacteria.

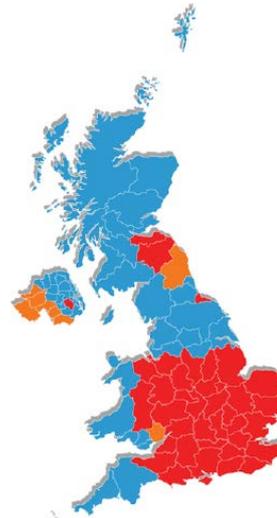
Carbon Block Filters will restrict the flow of water and may even block if the mains water has a high solid contents.

Carbon Block with Siliphos

Siliphos beads in combination with the Carbon Block are supposed to keep scale in suspence and thereby reduce the effect of Scale. We have not found this to be very effective and do not consider this to be a replacement of Resin based Scale Removal Filters (see further on). The attraction of a Carbon Block with Siliphos Filter is undoubtedly Price.

Nano Filter

Nano Fine Filters represents a new generation of Carbon Filters with an enhanced Viral and Pharma rating. It consists of a carbon impregnated woven glass and cellulose fibre material. The Nano Filter removes 99.98% of Cryptosporidium, Giardia Intestinalis & E-coli, but in addition creates a barrier against Legionella, Pseudomonas, Salmonella, Mycobacteria & Aspergillus. The large woven surface area resists blocking, even at low water pressure or where there is a high solid contents of the mains water.



Uk Water Scale Map

- Soft Water
- Medium Hard Water
- Hard Water

Scale Removal Resin Filters

Resin Filters are effective in removing Scale. They are used on Boilers in hard water areas. Unfortunately they are not cheap.

The effective life of a Resin Filter is limited by:

- a) The hardness of the mains water
- b) The amount of water washing through it.

It is not economical to use Resin Filters for Cold Water and the more sophisticated Boilers/Chillers have separate mains water inlets on the Boiler side. Resin Filters come in various sizes to cater for different water hardness and water consumption.

Brita Water Filters

