

Activated Carbon

Activated Carbon (also known as Activated Charcoal or simply AC) filters are used for the removal of colour, odour and taste from drinking water. AC has a unique property called adsorption that allows it to remove organic contaminants and chlorine from water just like a sponge. AC is extremely porous with an exceptionally large surface area, which gives it high adsorptive capacity. AC normally exists as a carbon block (CB), granular (GAC) or powder form (PAC).

City water supply usually contains chlorine for disinfection. However, chlorine makes water aesthetically unpleasant for drinking. In addition, trace organic compounds like Trihalomethanes (THM) may be present in water. The use of AC filters removes these contaminants and improves water quality.

Although they are very effective for the removal of odour and taste, AC filters do not remove particulate, dissolved salts, hardness or bacteria.

AC filters should be used in conjunction with a sediment filter or look for filters which incorporate fine filtration and AC together.

Always look for NSF Certified products bearing the NSF logo and certified for standards 42 and 53.



Granular Activated Carbon