

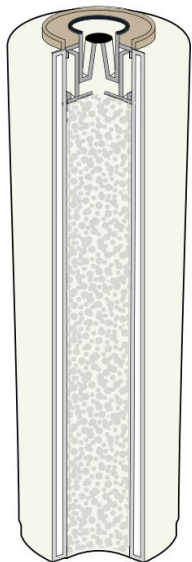


# Fluoride Removal Filter Cartridge

AWC supplies a USA made fluoride cartridge filter made from activated alumina. Activated alumina (AA) is the only filter material specifically designed to remove fluoride and arsenic from water. It is a ceramic compound made of aluminium oxide with a very high surface-"area-to-weight" ratio, giving it a very high capacity for fluoride adsorption. AA filters can reduce fluoride concentrations to below 0.1 ppm, in other words 97% of the normal fluoridated water level.

## Features & Benefits

- Up to 97% Fluoride removal
- Activated Alumina can be blended with other absorbents such as carbon, clay minerals, molecular bonding agents and elastomeric polymer.
- Mechanically strong and highly resistant to abrasion, breakage and deterioration during usage thereby insuring a long life service.
- Activated Alumina is relatively inert, non-toxic, non-corrosive and not prone to oxidation
- Good performance, even at low concentration ranges



*Fits standard 10" Canisters*



*Activated Alumina*

## How does Activated Alumina work?

Activated alumina adsorbs, not absorbs & this is an important difference. For example, a sponge will absorb water, but the water molecules do not actually bond with those of the sponge. Therefore, the water can simply leak out or evaporate after a while. On the other hand, activated alumina adsorbs. When a chemical is drawn into the pores of an activated alumina sphere, it actually bonds with the solid material. Once in, it won't come out without considerable heating.

## Specifications

<b>Capacity</b>	12 months/2000 litres
<b>Flow Rate</b>	3 litres per minute
<b>Micron Rating</b>	1 micron nominal

Up to **97%** Fluoride Removal