

AQUALINE

AAL

FLUORIDE/ARSENIC REMOVAL CARTRIDGE

SIZE: 9 3/4 in.: Fits all standard 10 in. housings. (Also available in 2.5" X 20" and Big Blue 10" and 20")

POST FILTER: 20 micron spun-bonded polypropylene.

MEDIA: 550 grams of pre-conditioned fine mesh
ACTIVATED ALUMINA

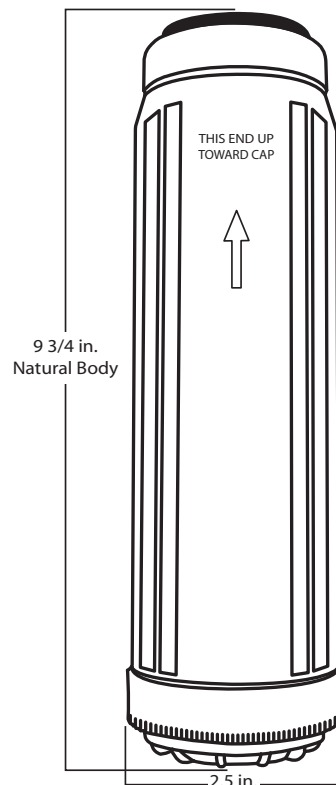
PRE-FILTER: 100 micron reticulated poly foam.

FLOW RATE: 0.25 gpm

CAPACITY: *5500 ppm Fluoride

pH RANGE: 3-9

* From 10 ppm spiked feed to 1.0 ppm break



Technical Information

The AAL is a non-regenerable drinking water and general-purpose cartridge designed to reduce fluorides to below 0.5 ppm. It is constructed totally from FDA grade materials and media.

The AAL cartridge utilizes a special fine mesh activated alumina that has been pre-conditioned specifically for single use cartridge applications. Laboratory evaluations have demonstrated that this pre-conditioning step will increase the AAL capacity to as high as 11000 ppm F+ with effluent levels below 0.2 ppm from 10 ppm F+ feed.

High pH, high bicarbonate levels and high flow rates all adversely affect the capacity of the AAL. For best results, do not exceed recommended flow rates and pH conditions. For influent streams above 100 ppm of bicarbonate, reduce capacity by 50%; above 200 ppm, reduce capacity by 75%.

ARSENIC

The AAL has also been shown to reduce arsenic to below 0.02 ppm (from 0.12 ppm feed). However, the total capacity for arsenic has yet to be determined.