

CCAF Whole House Activated Carbon Systems

For reduction of CHLORAMINES, Chlorine, Bad Tastes & Odours



Many municipalities across North America treat water by a process called "Chloramination". It involves disinfecting water by chloramines, which are formed when ammonia is used in addition to chlorine. Chloramines reduce the formation of potentially cancer-causing Trihalomethanes (THMs). However, chloramines render an offensive taste and odour to drinking water & beverages made from such water. In addition, chloramines can cause skin irritation, are corrosive by nature, and are toxic to fish.

Chloramines are more stable than chlorine and therefore, unlike chlorine, cannot be removed by leaving a container of water open for a few minutes. Regular activated carbon filters are not effective at reducing chloramines and need to be specially formulated for chloramines reduction. *It is estimated that over 11 million Canadians use water that has been treated by chloramination.*

Rainfresh CCAF System is designed to provide efficient reduction of chloramines & chlorine for all the water in the house – for cooking, bathing, washing, etc. Installed on the main water line right after the water meter, these systems effectively reduce chloramines, chlorine, bad tastes and odours with minimal maintenance.

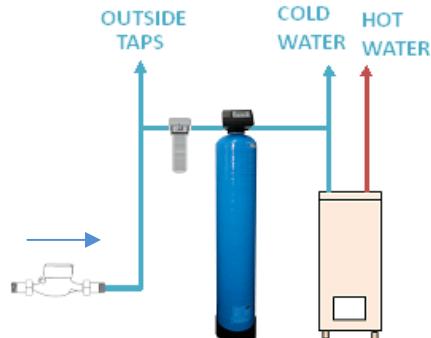
It features a compact bed of high quality catalytic activated carbon that is specifically formulated for chloramines reduction. When supply water flows through the carbon bed, chloramines, chlorine and other organics are instantly reduced and treated water is readily available for use. An automatic control valve initiates periodic backwash to rid the carbon bed of trapped sediment/dirt and expose fresh adsorption sites.

The significant advantage of this system lies in its extremely low maintenance, compared to the high cost of replacing cartridge type filters. Further, it offers much better flow rates and minimal pressure drop, making it a far superior choice for high flow or whole-house applications.

Specifications

Model	Flow Rate (US GPM)		Tank H x Dia	Inlet/Outlet	Drain	Operating Pressure	Pressure Drop	Average Efficiency
	Service	Backwash						
CCAF1	4	5	9" x 48"	¾" NPT	½"	30 – 100 psi	10 psi	> 90%
CCAF2	8	10	12" x 52"	1" NPT	¾"			

- BENEFITS**
- Reduces chloramines, chlorine, bad tastes & odours
 - Treats ALL the water in the house
 - No regular filter replacements
 - Automatic backwash
 - Long media life
 - Efficient and Economical



Typical Whole House Installation

