

## Automatic Water Filters

Filters for the removal of dirt or silt, taste and odor, oxidizing iron, and neutralizing the pH in acidic waters.



### Residential filters can:

- Eliminate Iron Problems
- Neutralize Acidic Water
- Remove Sediment
- Remove Taste & Odor

Marlo Residential filters are available with Autotrol, Clack or Fleck control valves.

**Activated Carbon** Activated Carbon may be used for a variety of water treatment applications requiring the removal of taste, odor, and color. One of the most common applications for Activated Carbon is the removal of the undesirable taste present in many chlorinated water supplies. The end product is clean, fresh water with no objectionable taste or odor characteristics. Activated Carbon has an extremely high capacity but must be replaced when the filter bed loses the capacity for removal of taste and odor.

**Manganese Greensand (Potassium Permanganate Tank Included)** Manganese Greensand is capable of reducing iron, manganese, and hydrogen sulfide from water through oxidation and filtration. The Manganese Greensand bed has to be regenerated with a solution of potassium permanganate ( $KMnO_4$ ) thus restoring the capacity of the bed. Two to four ounces of potassium permanganate in solution per cubic foot of manganese greensand is considered sufficient for normal regeneration. It is advisable to vigorously backwash and regenerate the bed when it is placed in service and before it's exhausted. To operate the bed after its oxidation capacity is exhausted may reduce its service life.

**Filter "AG"** Filter AG is a non-hydrous highly efficient filter media for the removal of suspended matter. Filter AG granules have irregular surface characteristics affording maximum removal of suspended matter throughout the filter bed. A substantial savings can be realized, when designing a system using Filter AG, because equipment can be smaller, requiring less square foot area. Filter AG is a lightweight substance which means additional savings in backwashing rates and volumes of water.

**Corosex** Corosex is used in filters to neutralize acidity by increasing the pH value. Corosex, being a reactive magnesium oxide, is used most effectively where pH correction is substantial or high flow conditions are in use. Corosex, being soluble to acidity will have to be replenished periodically. Please note, under certain low flow conditions, Corosex may over correct the pH level of the water. Corosex can be effectively combined with Calcite to combine the high flow neutralization properties of Corosex, along with the slower reacting low flow properties of Calcite reducing potentially high pH due to over correcting.

**Calcite** Calcite is a crushed and screened white marble material which can inexpensively be used to neutralize acidic or low pH waters to a neutral noncorrosive effluent. Acidic waters on contact with Calcite slowly dissolve the calcium carbonate media to raise the pH which reduces the potential leaching of copper, lead and other metals found in typical plumbing systems. The Calcite bed will have to be periodically added to as the dissolved Calcite depletes. As the Calcite's calcium carbonate neutralizes the water, it will increase hardness and a water softener may become necessary after the neutralizing filter.

## CAF Automatic Water Filters Specifications

Filtration	Model	Service	Backwash	Tank	Cu. Ft.	Dimensions			Iron	H <sub>2</sub> S
		Flow Rate	Flow Rate	Dia. x Ht.		Length	Width	Height	PPM <sup>①</sup>	PPM <sup>②</sup>
Iron	CAF-1 *	5	4.2	9 x 48	1	10	10	56 1/2	-	-
	CAF-1-1/2 *	7	5.3	10 x 54	1-1/2	11	10	62 1/2	-	-
	CAF-2*	10	6	12 x 52	2	-	-	-	-	-
Turbidity	CAF-1 *	5	4.2	9 x 48	1	10	10	56 1/2	N/A	N/A
	CAF-1-1/2 *	7	5.3	10 x 54	1-1/2	11	11	62 1/2	N/A	N/A
	CAF-2	10	6	12 x 52	2	-	-	-	-	-
Neutralizing	CAF-1 *	5	6.5	9 x 48	1	10	10	56 1/2	N/A	N/A
	CAF-1-1/2 *	7	7.5	10 x 54	1-1/2	11	11	62 1/2	N/A	N/A
	CAF-2	10	10	12 x 52	2	-	-	-	-	-
Taste & Odor	CAF-1 *	5	4.2	9 x 48	1	10	10	56 1/2	N/A	N/A
	CAF-1-1/2 *	7	5.3	10 x 54	1-1/2	11	11	62 1/2	N/A	N/A
	CAF-2	10	6	12 x 52	2	-	-	-	-	-

① Maximum iron content. Feed water pH must exceed 6.8

② Maximum hydrogen Sulfide content. Feed water Ph must exceed 6.8  
These units have insufficient capacity to treat water for swimming pools.

\* Gravel included.  
Select media required below  
\* Consult the factory for other media preferences

### Marlo combines quality assurance and proven design.

#### ◆ Fiberglass Tanks:

Pressure tested at 300 psi, and warranted for ten years.

#### ◆ Quality Assurance:

All components are inspected, tested, and warranted by Marlo, Inc.

#### ◆ Automatic Control Module:

Simple, reliable control valve features easy-to-set timer high flow rates & the control valve is constructed of corrosion-free materials. Accurate backwash control uses less water. Direct plumbing connections for easy installation.

MEMBER

