



CBW, FBW & NBW Series

Because water touches so much of your life.

Automatic Backwash Filters

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



CBW Filter



FBW Filter



NBW Filter

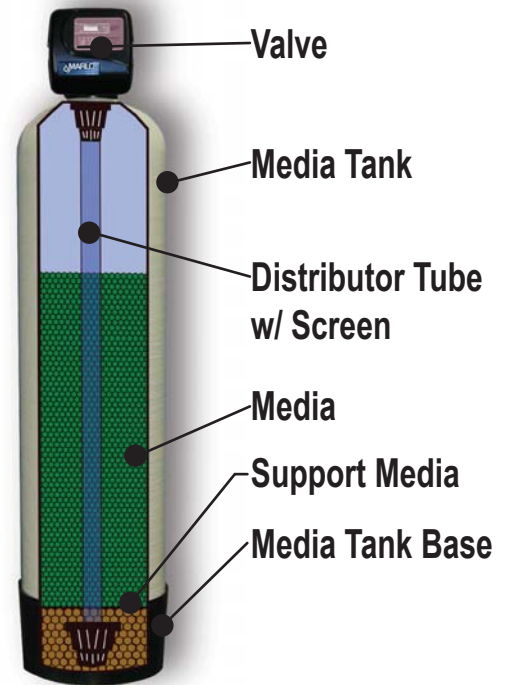


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Premier residential filters can

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



Premier offers a variety of different filter media to correct your specific water problem:

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 (KMnO₄) 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.

BIRM

Birm is an efficient and economical media for the reduction of dissolved iron and manganese compounds from raw water supplies. The physical characteristics of Birm provide an excellent filter media which is easily cleaned by backwashing to remove the precipitant.

Birm is not consumed in the iron removal operation and therefore offers a tremendous economic advantage over many other iron removal methods. Other advantages of Birm include; long material life with relatively low attrition loss, a wide temperature performance range and extremely high removal efficiency. Negligible labor costs are involved because Birm does not require chemicals for regeneration, only periodic backwashing is required

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.

FILTER SAND

Filter Sand is graded specifically for water filtration plants and can be used in municipal, industrial or residential applications for sediment filtration.

NEUTRALIZER BLEND

Neutralizer Blend is used in filters to neutralize acidity by increasing the pH value. Neutralizer Blend, being a reactive magnesium oxide, is used most effectively where pH correction is substantial or high flow conditions are in use. Neutralizer Blend, being soluble to acidity will have to be replenished periodically. Neutralizer Blend, when 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. Please note, under certain low flow conditions, Neutralizer Blend may over correct the pH level of the water.