

EXCALIBUR - ULTIMATE SERIES FILTRATION SYSTEMS



CHOOSE SAFE, CLEAN WATER

The safety and health of your family means everything. The quality of water that is consumed and utilized in your household may be laced with dangerous and volatile chemicals that could be potentially put your family members at great risk.

Volatile and organic chemicals are dissolved in any water supply either municipal or rural (water wells). Chemicals can cause serious health issues and should be removed from your working, cooking and bathing water supply.

CHEMICAL CONTAMINATION

Volatile and organic chemicals are dissolved in water supply either municipal or rural (such as water wells). The chemicals found in water can be as follows:

Vinyl Chloride, TCE, PCE, THM's, Chlorine, Chloramines, Benzene, Ammonia, Pesticides, Inks, Dyes, Solvents, Mercury, Aluminum and many others.

Chemicals can cause serious health issues and should be removed from your working, cooking and bathing water supply.

TURBIDITY

Turbidity is the cloudiness or haziness in a water supply caused by individual particles or suspended solids that are generally invisible to the naked eye, similar to smoke in air. The measurement of turbidity is a key test of water quality. The water can contain suspended solid matter consisting of particles of many different sizes. Some suspended material will be large enough and heavy enough to settle rapidly to the bottom. If a liquid sample is left to stand large particles will settle rapidly to bottom and very small particles will settle slowly or not at all if the sample is regularly agitated or the particles are colloidal.

TANNINS

Tannins are formed upon the decomposition of vegetation. These compounds are large molecular weight organics that fall under two primary categories: Humic acids and Fulvic acids. These are simplified structures, but they show the complexity of Tannins. Tannins can cause a yellow to brown cast in water and may also impart a taste and odour. They will generally be found in surface water and shallow wells. Although these compounds are not a healthy risk, they are aesthetically displeasing.



NEUTRALIZING (PH)

When water has a PH level of less than 7.0 the water is considered acidic as 7.0 is considered neutral. When the PH level of water is less than 6.0 PH it is ten times more acidic than neutral. Neutralization is required to raise the PH level back to neutral in order to eliminate any potential erosion; as well as ensuring proper operating conditions for filtration of water treatment equipment, to function properly.

HARDNESS

Doing laundry in soft water has proved significantly more effective than doing laundry in hard water. Soft water reduces the usage of detergents by more than 55%. Soft water also makes dishes and glassware shine. Hard water has an obvious adverse effect on appliances and plumbing systems. Water heaters consume up to 22% less energy with soft water than with hard water.

IRON, MANGANESE & SULPHUR

Iron and Manganese staining and Sulphur (often referred to as rotten egg smell) can be present in your water which will cause adverse affect on your appliances and plumbing systems. This can cause deterioration and wear in dishwashers, hot water tanks, washing machines and many others that will shorten the life span of all appliances.



Improve your water for you and your family with a Ultimate Series Filter System



ULTIMATE SERIES SOFTENING / TANNIN FILTRATION SYSTEM

System Benefits

Our Softener removes the water hardness and clear water iron. The soft water enables you to use lesser quantities of soap, shampoo and skin care products, while increasing the efficiency with which they work. Tannins are formed upon the decomposition of vegetation in lakes, water wells, rivers and from acid rain. Tannins have large molecular weight organics and fall under two categories named as Humic acids and Fulvic acids. Tannins cause a yellow to brown cast in the water and may also impart a taste and odour.

Features

- ◆ Fully electronic programmable control valve.
- ◆ 12-volt transformer that utilizes minimal power consumption less than \$3.00 per year.
- ◆ Removes up to 3 PPM of organic tannin compounds from your water.
- ◆ The system is regenerated with sodium chloride (water softening salt) to clean the tannin filter and softener bed.
- ◆ Softener capacity removes 24,000 grains of hardness per regeneration.
- ◆ 10 years' warranty.



ULTIMATE SERIES TURBIDITY / CHEMICAL FILTRATION SYSTEM

System Benefits

Turbidity is the cloudiness or haziness in your water supply caused by suspended solids such as sediment, dirt and grit. The Turbidity filter bed removes the sediment, dirt and grit from your water supply eliminating sediment buildup throughout your household. The Chemical removal filter bed removes the volatile and organic chemicals from the water providing, safe and clean water. The chemicals found in your water can cause serious health issues.

Features

- ◆ Fully electronic programmable control valve.
- ◆ 12-volt transformer that utilizes minimal power consumption less than \$3.00 per year.
- ◆ No filter cartridge to replace.
- ◆ No chemical or water softening salt to purchase.
- ◆ Removes most chemicals in your water supply such as chlorine, chloramines, Volatile and industrial chemicals, providing safe, clean water.



ULTIMATE SERIES NEUTRALIZING / SOFTENING SYSTEM

System Benefits

Acidic water (low PH) causes pin hole leaks, corrosion and damages household plumbing systems leaving blue/green stains on your plumbing fixtures. Our Neutralizing filter bed can eliminate corrosion of copper, galvanized pipe, fittings, plumbing fixtures and appliances. While simultaneously stopping pin hole leaks and preventing staining of fixtures.

The Softener removes the water hardness to 30,000 grains. The soft water enables you to use lesser quantities of soap, shampoo and skin care products.

Features

- ◆ Fully electronic programmable control valve. 12-volt transformer that utilizes minimal power consumption less than \$3.00 per year.
- ◆ Raises pH from 5.5 to neutral eliminating acidic water.
- ◆ Regenerated with sodium chloride (water softening salt) to clean the softener bed.
- ◆ Softener capacity removes 30,000 grains of hardness per regeneration.
- ◆ 10 years' warranty.



ULTIMATE SERIES NEUTRALIZING / TANNIN FILTRATION SYSTEM

System Benefits

Acidic water (low PH) causes pin hole leaks, corrosion and damages household plumbing systems leaving blue/green stains on your plumbing fixtures. Our Neutralizing filter bed can eliminate corrosion of copper and galvanized pipe and fittings, plumbing fixtures and appliances while simultaneously stopping pin hole leaks and preventing staining of fixtures. Tannins are formed upon the decomposition of vegetation in lakes, water wells, rivers and from acid rain. Tannins have large molecular weight organics and fall under two categories named as Humic acids and Fulvic acids.

Features

- ◆ Fully electronic programmable control valve.
- ◆ 12-volt transformer that utilizes minimal power consumption less than \$3.00 per year.
- ◆ Removes up to 3 PPM of organic tannin compounds from your water.
- ◆ The system is regenerated with sodium chloride (water softening salt) to clean the tannin filter bed.
- ◆ 10 years' warranty.



ULTIMATE SERIES CHEMICAL REMOVAL / SOFTENING SYSTEM

System Benefits

Chemical removal filter bed removes the volatile and organic chemicals from the water providing safe and clean water. The chemicals found in your water can cause serious health issues. Fine mesh softening resin removes the clear water iron up to 10 ppm. This fine mesh bed removes the iron staining, and also removes the water hardness to 30,000 grains.

Features

- ◆ Fully electronic programmable control valve.
- ◆ 12-volt transformer that utilizes minimal power consumption less than \$3.00 per year.
- ◆ Removes up to 10 PPM of clear water iron.
- ◆ The system is regenerated with sodium chloride (water softening salt) to clean the softener bed.
- ◆ Softener capacity removes 30,000 grains of hardness per regeneration.
- ◆ 10 years' warranty.



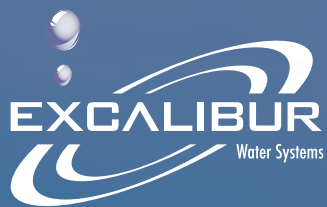
ULTIMATE SERIES IRON, MANGANESE, SULPHUR / CHEMICAL REMOVAL FILTRATION SYSTEM

System Benefits

This Filter removes the iron stains, manganese and hydrogen sulphide (often referred as "rotten egg smell"). Chemical removal filter bed removes the volatile and organic chemicals from water providing safe, clean water. The chemicals found in your water can cause serious health issues.

Features

- ◆ Fully electronic programmable control valve.
- ◆ 12-volt transformer that utilizes minimal power consumption less than \$3.00 per year.
- ◆ Removes Iron, Manganese, Sulphur, Volatile chemicals and Organic chemicals from water.
- ◆ Air Capsulated filter design, no use of salt or chemicals to purchase.
- ◆ No filter cartridge to replace.



EXCALIBUR WATER SYSTEMS

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