



Filter^{Prep}

Water Filters with WS1
1" Control Valve

Making the best of your water.

The Charger Filter^{Prep} system



WATER TREATMENT SYSTEMS



How the Filter Prep System works:

Filter Prep Water filtration systems make it easy to enjoy cleaner, healthier, better tasting water throughout your home. Whether for drinking, cooking, bathing or laundry, Filter Prep will improve the quality of your water.

Your water could contain chemical contaminants from pesticides, petroleum, solvents, or a variety of sources. Some water contains lead, mercury or other heavy metals. Filter Prep has a variety of units to remove these contaminants.

With a Filter Prep water filtration system, you can protect appliances, household plumbing, and your water heater by reducing sediment, sand or rust that can damage plumbing and appliances. Filter Prep automatic filters can eliminate iron, sulfur and odor from your water supply 24 hours a day, in most cases, without having filter cartridges to change or chemicals to purchase.

Filter Prep System features:

- WS1 1" NSF rated hi-flow automatic control valve with fully adjustable cycles
- NSF rated polyglass media tank
- Filters available for removing:
 - Iron
 - Manganese
 - Sulfur
 - Sediment
 - Color
 - Turbidity
 - Taste
 - Odor
 - Heavy Metals
 - Pesticides
 - Herbicides
 - Chemicals



FILTER PREP
WS1 1" CONTROL
VALVE

Your **Charger** Water
Treatment Dealer:

How **OUR WATER** Collects Contaminants

Your Water, The Universal Solvent!

Water is considered the universal solvent. As it passes from liquid to vapor and back again, it tends to dissolve everything it touches - whether in the air as water vapor where it can mix with sulfur from smoke stacks forming acid or from the ground, absorbing calcium, magnesium, sulfur, iron, lead and limestone - water can have a negative impact on you, your household and your pocketbook.

Depending on where you live, contaminants from sewage, industrial waste and agricultural run-off can also seep into your water supply.

Filtration Options for Removing Nature's Contaminants

ACTIVATED CARBON - Used for taste, odor, chlorine and organics removal including VOCs. The 12 x 40 mesh size traps particles of 30 micron and larger.

CENTAUR NDS 12X40 GRANULAR ACTIVATED CARBON - A high grade catalytic carbon excellent for removing chloramines and hydrogen sulfide from potable waters.

NEUTRALIZING CRUSHED MARBLE - A sacrificial media that dissolves in acidic water to create a neutral water. This process adds some hardness to the water. Crushed marble, a mined material, is used in it's natural state.

PYROLOX - A naturally mined ore, Pyrolox is a mineral form of manganese dioxide used in reducing hydrogen sulfide, iron and manganese.

FILTER-AG - A lightweight, silica, crystalline quartz media with excellent filtering capability, requiring lower backwash flow rates.

FILTER-AG PLUS - A clinoptilolite natural media with a large surface area and microporous structure used for the reduction of suspended matter.

KDF - A bi-metal copper and zinc material used for iron and hydrogen sulfide removal. KDF can control bacteria, algae and fungus growth.

BIRM - A lightweight, catalytic filter media used for removing iron and manganese via oxidation. The oxidized iron or manganese is then filtered. Birm has an inert core coated with manganese dioxide.

MANGANESE GREENSAND - A gluttonite greensand that is a catalytic material for the removal of iron, manganese and hydrogen sulfide. The media is intermittently regenerated with potassium permanganate or continuously with chlorine or a chlorine and potassium permanganate mixture.

MULTI-MEDIA - Multi-media is reverse graded layers of filter medias. The layered process allows for higher flow rates plus filtration down to 10 micron-sized particles. Works well for sediment, turbidity and red water iron.

ZEO PREP - Filters down to 5 microns. Excellent for removing suspended iron, manganese and turbidity. Removes dissolved iron, hardness and manganese through ion exchange. Can be regenerated with salt brine. Zeo Prep filters solids like nothing else. Zeo Prep's ion exchange properties make it a dual purpose option for problem water.



REVERSE OSMOSIS

Drinking Water System



Reverse Osmosis (RO) works like this:

The pressure from a household tap forces water through a semipermeable membrane. This membrane separates the water at the molecular level. The membrane acts like a filter, assuring the RO water has substantially reduced impurities and dissolved solids. This cleaner, more refined water is then stored in a holding tank, ready at your convenience.

The 'RO' of the system is the secret.

RO is Reverse Osmosis. This is the natural process which sets the foundation of RO systems. It may sound technical, but osmosis is a natural, organic phenomenon, a process that occurs in nature on a continuous basis. Vegetation, like trees, plants and flowers attain their nutrients by using osmosis to draw water from the soil.



BENEFITS:

- Delicious, sparkling-clear drinking water
- Convenience: Fresh, clean water at your faucet
- Pristine, flavorful coffee, tea and juice
- Quality water for your aquarium
- Cleanly rinsed fresh fruits and vegetables
- Crystalline, harder and clearer ice cubes
- Prolong the life of your humidifier or steam iron
- Spotless glassware when rinsed with RO water
- Cost effective: No more bottled water costs
- Better tasting soups, sauces and meals
- Environmentally sound: No chemicals
- Great for family pets