CHARGER
Water Treatment Products

ZeoPrep™

Filtration Media

All-Natural Zeolite Filter Media

The Charger

ZeoPrep™ System

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WATER TREATMENT SYSTEMS

How the Zeo Prep™ System works:

- Filters down to 5 microns
- Excellent for removing suspended iron, manganese and turbidity
- Removes dissolved iron, hardness and manganese through ion exchange
- Regenerates with salt brine
- Produced by Mother Nature in a crystalline form, ZeoPrep™ filters solids as no other media can
- Zeo Prep's ion exchange properties make it a dual purpose option for problem water
- Tested and approved by the Water Quality Association

Tank Diameter	Cubic Feet	Service Flow	Backwash
9"	1	5-9	5
10"	1.5	7-10	7
12"	2	9-15	10
14"	3	13-21	15
16"	4	17-28	20
22"	6	30-50	35
24"	8	38-62	40
30"	10	59-98	60
36"	20	85-140	85
42"	30	115-190	110
48"	40	150-250	150

Zeo Prep™ Filtration Media System features:

- Cation Exchange Capacity: 1.83 m.e./g
- pH Stability: 3-10
- Specific Surface Area: 1357 $yd^2/oz.$
- Bulk Density: 45-80 lb/ft^3
- Pore Size: 4.0 Δ
- Pore Volume: 15%
- Thermal Stability: 1202° F

TESTED AND CERTIFIED WaterQuality UNDER INDUSTRY STANDARDS

Zeo Prep™ Filter Media
A Product of:
Mud Hills Minerals, Ltd.
1212 N. Washington St., Ste 132
Spokane, WA 99201
509-328-5685

ZEO PREP™
FILTRATION MEDIA

Your **Charger** Water Treatment Dealer:

chargerwater.com

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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 glutonite 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.

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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