



WATER TREATMENT

Water Treatment Catalog

*Because water touches so
much of your life . . .*

- ***Water Softeners***
- ***Tannin / Hardness
Reduction System***
- ***Chemical-free
Iron Filter System***
- ***Automatic Backwash Filters***
- ***Undercounter Taste & Odor
Filter***
- ***Filter Housings, Accessories
and Cartridges***



Water Softeners

Economy Water Softener with Multi-Day Timer

- Fully automatic motor control valve allows for multi-day programming flexibility to fit your specific needs.
- 12-volt electrical transformer.
- Rectangular space saving single-tank design cabinet with large salt storage capacity.
- High-capacity resin ensures maximum softening capability. Resin can be regenerated indefinitely.
- Automatic internal by-pass valve for constant household water flow during regeneration cycles.
- Corrosion resistant, maintenance free tanks.
- Three-year limited warranty on control valve and ten-year limited warranty on mineral tank. One-year limited warranty on other parts.



Model #	Fleck Valve Style	Mineral Bed Capacity Grains	Hardness Removal Max. GPG	Iron Removal (Clear) ¹ Max. PPM	Resin cu. ft.	Total Space Required (Inches)	Flow Rate GPM		Salt Storage Capacity lbs.	Approx. Shipping Weight lbs.
							Service Max. ²	Backwash Min.		
P07EC24	5600	24,000	40	3	3/4	13.5 x 22.5 x 44	7	2.4	250	75

(¹) Removes iron in solution (Ferrous "clear" iron) up to amounts shown.

(²) Maximum service flow rates thru the softener must never exceed the specified flow rate in gallons per minute.

By-pass valve and safety brine valve not included. For by-pass valve, order 135507; for safety brine valve, order 138807.

Two Tank Metered Water Softener

- Custom metered valve regenerates based on actual water usage, saves water and salt by regenerating only when needed.
- Two tank design for easy maintenance and 250 lb. salt storage capacity.
- High capacity resin ensures maximum softening capability.
- Removes up to 3 PPM clear water iron.
- Automatic internal by-pass valve for constant household water flow even during regeneration cycles.
- Salt support platform allows for use of many types of salt.
- Safety brine overflow protection standard equipment.
- Turbulator "Rust purge" backwash system
- CVSM30 and CVSM45 economy models also available
- Three-year limited warranty on control valve and ten-year limited warranty on mineral tank. One-year limited warranty on other parts.



CSM Series

Model #	Valve Style	Mineral Bed Capacity Grains	Hardness Removal Max. GPG	Iron Removal (Clear) ¹ Max. PPM	Fine Mesh Resin cu. ft.	Space Required (In.)		Flow Rates GPM		Salt Storage Capacity	Approx. Ship. Weight
						Brine Tank	Mineral Tank	Service Max. ²	Backwash Min.		
CSM30	Custom Valve	30,000	45	3	1	14 x 14 x 34	8 x 44	8	1.3	225 lbs	92 lbs
CSM45		45,000	60	3	1-1/2	14 x 14 x 34	10 x 44	9	2.2	225 lbs	122 lbs
CSM60		60,000	75	3	2	14 x 14 x 34	10 x 54	12	2.7	225 lbs	151 lbs.

(¹) Removes iron in solution (Ferrous "clear" iron) up to amounts shown.

(²) Maximum service flow rates thru the softener must never exceed the specified flow rate in gallons per minute.

Valve includes manifold for easy connection. By-pass valve included.

"Combo Series" CSIM34/68 Softener / Ferrous Iron Filters

CSIM Series Softener / 8 PPM Ferrous Iron Filter

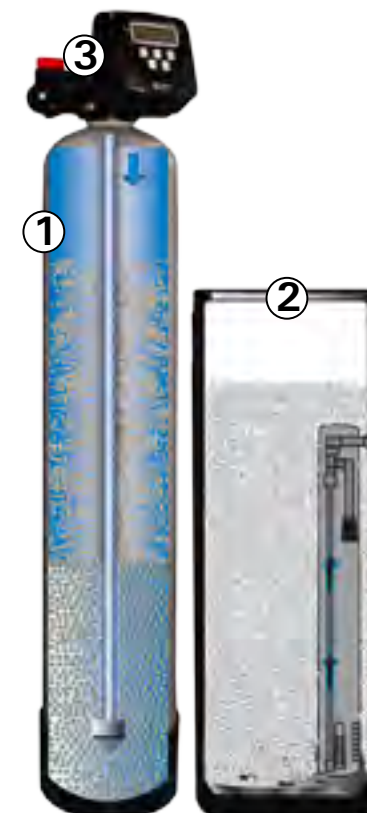
- Removes iron better than standard softeners - up to 8 ppm ferrous "clear water" iron
- Special multi-layered resin bed filters out iron, dirt and sediment in addition to softening water
- Features double backwash system to scrub iron and turbidity from resin bed
- Includes salt support platform to prevent clogging and reduce the need for brine tank clean out.
- Safety brine valve float assembly prevents messy overflow problems.
- Meter initiated valve to maximize salt and water conservation.



Model #	Max. Grain Capacity	Type of Regen	Style Config.	Service Flow Rate		Backwash Min.	Resin cu. ft.	Tank Size (Inches)		Salt Storage	Inlet / Outlet	Approx. Ship Weight
				Peak	Cont			Softener	Brine Tank			
CSIM34	34,000	Meter	Two Tank	10	8	2.7	1	10 x 44	14 x 14 x 34	225 lbs.	1"	120.2
CSIM68	68,000	Meter	Two Tank	12	10	2.7	2	12 x 52	14 x 14 x 34	225 lbs.	1"	175.5

How does a Premier Combo water softener work?

- Hard water enters your water softener (1) and passes down through the ion exchange resin, which are charged with sodium ions. The hard water ions (calcium and magnesium) are attracted to the ion exchange resin and an equal amount of sodium ions are bumped off into the water supply. When the water reaches the bottom of the tank, it is softened and ready to be used in your home and business.
- When the ion exchange resin is saturated with calcium and magnesium (hard water ions) it must be recharged. (2) A strong brine solution enters the tank and flushes the calcium and magnesium ions off the ion exchange resin and attaches itself.
- A final rinse process ensures that any unused brine is rinsed from the system and your (1) Premier conditioner is now fully recharged and ready to provide you with soft water.
- Your custom control valve (3) controls this entire process, including the frequency of regeneration.



CST45 Tannin / Hardness Reduction System



- The reduction of organic tannins from water cannot be accomplished by standard water filters and softeners. The water usually has a yellow or brownish cast and the color does not settle out.
- Tannins (or humic acids) are the result of decayed forest vegetation that is picked up by surface water and carried to underground sources. Tannins are organic substances that are very difficult to remove even by oxidation and filtration. They can, however, be reduced by the ion exchange principle.
- This system is able to reduce tannins and hardness from your water supply. The substances are pulled out by special premium grade resins which are easily regenerated with salt. Use salt containing iron control agents or packaged iron control products if iron is present to keep mineral bed in top condition.

Water Efficient Digital Demand Regeneration Control Valve

PRODUCT FEATURES

- Digital demand regeneration control valve features:
 - Modular design for easy servicing
 - Automatic water by-pass for constant household flow during regeneration.
 - Motorized cycle sequencing which operates independent of household water pressure.
- 12-volt electrical transformer guards against high voltage danger.
- Strong corrosion proof polyglass mineral tanks made from approved materials. Ten-year limited warranty.
- Corrosion-proof, maintenance-free polyethylene
- brine tanks with brine overflow fitting. Salt shelf and safety brine valve. One-year limited warranty.
- High quality, long lasting mineral for maximum tannin, hardness reduction.
- By-pass valve included for easy installation and service.



Model No.	Custom Valve	Hardness Removal Max. Grains	Tannin Removal Max. PPM	Minerals		Total Space Required (Inches)		Flow Rate GPM		Salt Storage lbs.	Approx. Ship Wt. lbs.
				High Cap. Fine Mesh Resin cu. ft.	Tannin Anion Resin cu. ft.	Brine Tank	Mineral Tank	Service ² Max.	Backwash Min.		
CST45		35	1	1	1/2	14 x 14 x 34	10 x 44	5.0	2.2	225	116.5

(²) Maximum service flow rates thru the softener must never exceed the specified flow rate in gallons per minute.

CCF Series Chemical-Free Air Injection Water Treatment Systems



Model
With Custom
Control Valve



"D" Models feature
dome plug

ELIMINATES

- Iron taste in water
- Rotten egg smell caused by sulfur (up to 1.0 PPM)
- Rust stains on laundry, tub, toilet and sink
- Foul tasting water and beverages
- Corroding pipe and fixtures due to acidity

PRODUCT BENEFITS

- A single water treatment system that corrects many tough water problems like ferrous iron, sulfur, taste, odor, color, low pH and turbidity.
- Less costly than multiple filter installations.
- No chemical required to regenerate the unit.
- No pretreatment chemicals are required.
- A periodic backwash is all that is required to keep the unit operating at top performance.

PRODUCT FEATURES

- Fully automatic, motor operated control valve with 12 day timer.
- Strong corrosion proof polyglass wound mineral tanks.
- High quality mixed blend filtering mineral.
- Heavy brass injector assembly with air intake adjustment and water by-pass.
- Rugged air release assembly constructed of chemical resistant thermoplastic and stainless steel. (Optional)



Model No.	Maximum Concentration Limits				Flow Rates GPM		Total Space Required (In.)	Mineral Mixed Blend Cu. Ft.	Gravel Lbs.	Approx. Ship Weight Lbs.
	Ferrous (1) Iron PPM	Sulfur (2) PPM	pH	Turbidity FTU	Service Max (3)	Average System Capacity (4)				
CCF10	8	1	6.0 to 8.0	125	5.0	5.0	10 x 44	1.0	20	137
CCF10D	8	1	6.0 to 8.0	125	5.0	5.0	10 x 44	1.0	20	137
CCF20	8	1	6.0 to 8.0	125	10.0	5.0	12 x 52	2.0	30	235
CCF20D	8	1	6.0 to 8.0	125	10.0	5.0	12 x 52	2.0	30	235

(1) Ferrous "Clear Water" Iron

(2) Sulfur removal depends upon pH levels. The maximum 1 PPM Sulfur removal rate requires a pH level of 6.0. Higher pH levels will result in lower sulfur removal capabilities.

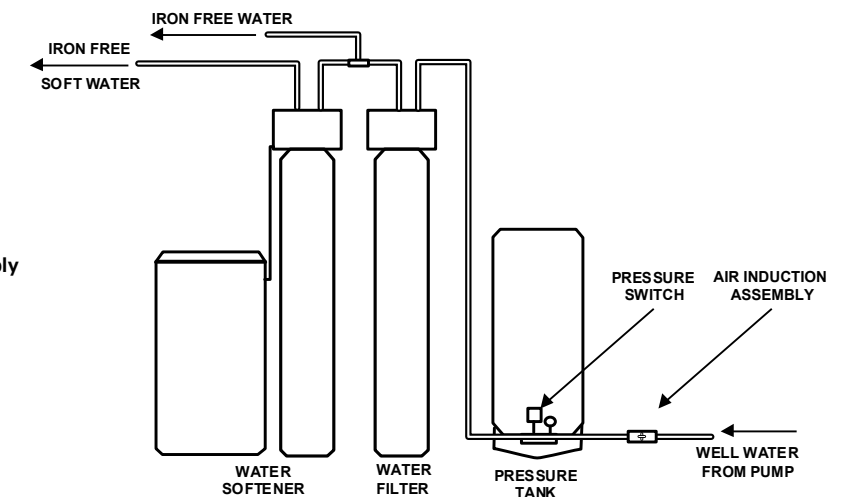
(3) Maximum service flow rates thru the filter must never exceed the specified service flow rate in gallons per minute.

(4) Average system capacity must equal or exceed the specified gallon per minute capacity.



Brass Air Induction Assembly

The adjustable injector assembly is standard equipment on all Chemical Free systems. This device brings air into the system allowing the iron oxidation process to begin.



TYPICAL INSTALLATION

CCF Series Eliminator III Chemical-Free Air Injection Water Treatment Systems

BEFORE INSTALLING YOUR FILTER INSPECTION AND HANDLING YOUR FILTER

Be sure to inspect the equipment for shipping damage and notify the transportation company if damage exists. Handle the filter with care, as damage can result if dropped or if the filter is set on a sharp object.

CONDUCT A THOROUGH WATER TEST

Your water should have a thorough analysis prior to the selection of water conditioning equipment. Enter your analysis below:

WATER ANALYSIS

IRON (Fe) _____ ppm
Manganese (Mn) _____ ppm
pH _____
Tannins _____ ppm
Hydrogen Sulfide (H₂S) _____ ppm

NOTE: Hydrogen Sulfide must be tested at the well site. Failure to conduct an "on site" analysis will result in inaccurate test results.

LOCATING EQUIPMENT CORRECTLY

The location of your filter should be selected carefully. A variety of conditions will contribute to proper location as follows:

1. Locate as close as possible to the source of water supply.
2. Locate as close as possible to drain, i.e. laundry tub or floor drain.
3. Locate in correct relationship to other water treatment equipment (See Figure 1).
4. Allow sufficient area around the equipment for service.

FACTS TO REMEMBER WHILE PLANNING YOUR INSTALLATION

1. All installation procedures MUST conform to local and state plumbing codes.
2. All water MUST pass through the air induction assembly, pressure tank and the Chemical-Free Iron Filter (See Figure 1)
3. If lawn sprinkling, a swimming pool or geothermal heating/cooling are to be treated by the Chemical Free filter, a larger model filter MUST be selected to accommodate the higher flow rate demands.

4. **IMPORTANT:** Always use Teflon tape on threaded plastic fittings. NEVER use pipe dope, as it will deteriorate the plastic fittings.

CHECK WATER PRESSURE

Minimum water pressure required at the inlet of the filter is 30 psi. IF PRESSURE IS OVER 125 PSI, A PRESSURE REGULATING VALVE MUST BE INSTALLED TO REDUCE WATER PRESSURE.

NOTE: Pressure regulating valve must be installed in water line ahead of the air induction assembly.

CHECK PUMPING RATE OF WELL PUMP

The pumping rate of your well pump must be sufficient to properly backwash the filter. Check backwash flow rate required for specific filter model.

Water Pressure Low _____ PSI
High _____ PSI
Pumping Rate _____ GPM

INSTALLATION

INSTALLING THE AIR INDUCTION ASSEMBLY

1. Shut off all water at the main supply. On a private well system, turn off power to the pump and drain pressure tank. Make sure pressure is relieved from complete system by opening nearest faucet to drain system. SHUT OFF FUEL SUPPLY TO WATER HEATER.
2. Cut main supply line as required to fit air induction assembly in plumbing between well pump and pressure tank. Air induction assembly may be installed in a vertical or horizontal position. Position air induction assembly so that the flow adjusting screw is accessible for adjustment by screwdriver. Install unions to facilitate air induction assembly removal and inspection. Be certain the Flow Arrow on air induction assembly points toward the pressure tank

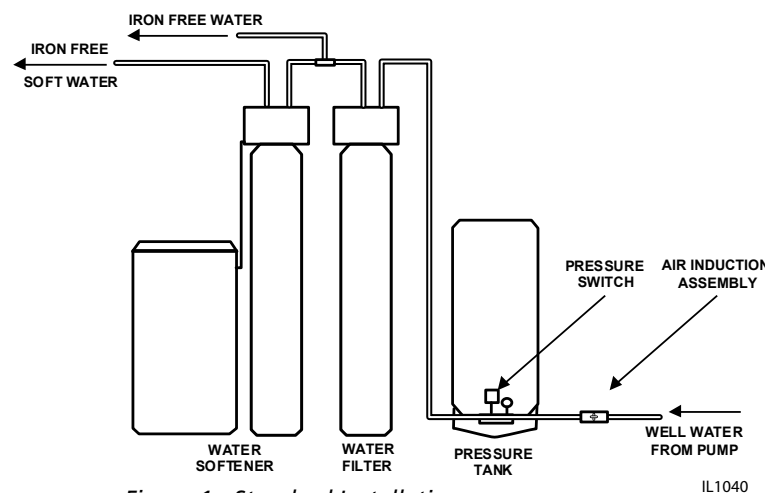


Figure 1 - Standard Installation

CCF Series Eliminator III Chemical-Free Air Injection Water Treatment Systems

and pressure control switch is located on pressure tank side of the air induction assembly (See Figure 2). Allow 8" of straight pipe on both sides of air induction assembly.

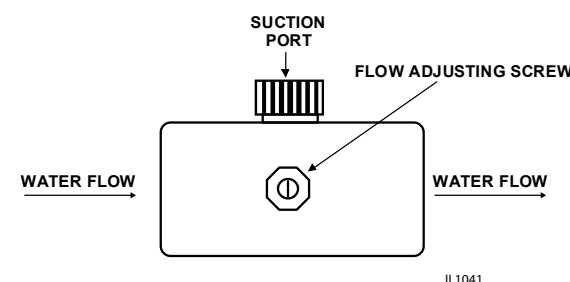


Figure 2 - Air Induction Assembly

INSTALLING THE FILTER

1. Media was shipped separately. Carefully unscrew the control valve. Be sure to "plug" the top of the distributor tube using tape or some other means. Do not allow filter media to enter inside of distributor tube (See Figure 3).

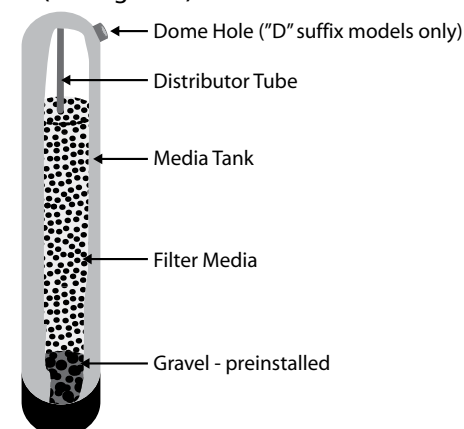


Figure 3 - Media Tank Cutaway

2. Pour the separately shipped media into media tank.
3. Replace control valve on media tank. Lubricate o-rings on control valve with silicone lubricant. DO NOT USE PETROLEUM JELLY.
4. Lubricate bypass valve o-rings with silicone lubricant and secure to the control valve using adapter couplings, clips and screws.
5. Cut main supply line as required to fit plumbing to the inlet and outlet of bypass valve. Make certain water flow enters through the Inlet and discharges through the Outlet of bypass valve.
6. Attach drain line to drain line fitting. Position drain line over drain and secure firmly. To prevent back siphoning, be sure to have adequate air gap of at least 2 inches.

7. Make certain bypass valve is in the "bypass" position. Turn on power to well pump or open main supply valve completely.
8. Plug control valve into a non-switched 115V power source.
9. Manually stage filter to the backwash position (see service manual).
10. Open inlet valve and allow the unit to fill SLOWLY. This will allow air to escape from the media tank. Once water continually flows to drain, open both inlet and outlet valves fully.
11. Check for leaks and allow filter to backwash for at least 10 minutes, or until water flowing from drain runs clear.
12. Allow unit to fully regenerate (see service manual).
13. Models CCF10D and CCF20D have a dome hole/plug located in the upper dome of the mineral tank. This is used to replenish mineral as required. DO NOT remove dome hole plug without first depressurizing the tank.

ADJUSTING THE AIR INDUCTION ASSEMBLY

1. Open nearest faucet until pump starts, then close faucet.
2. Place finger lightly over SUCTION PORT (See figure 2). A slight suction should be detected for approximately ONE-THIRD of pumping cycle. (Do not confuse with one-third of PRESSURE RANGE).
3. If suction duration is too short, increase by turning FLOW ADJUSTING SCREW CLOCKWISE. To decrease duration, turn COUNTER CLOCKWISE.
4. Repeat steps 1 through 3 until proper setting is obtained.

NOTE: When the duration of the suction is too long, cold water may have a "milky" appearance caused by excess air in the system. Correct this condition by reducing the duration of suction. This condition is commonly associated with bladder type pressure tanks. In extreme cases where elimination of excess air prevents system from performing satisfactorily, it may be necessary to install a standard air-to-water type pressure tank with an air relief valve.

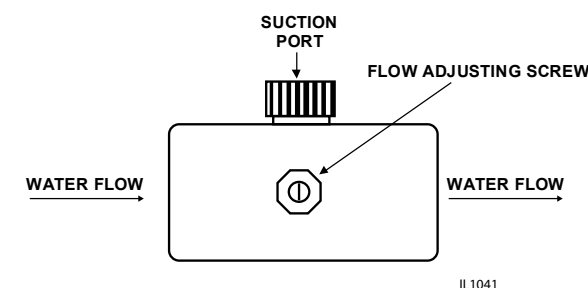


Figure 2

CBW Series Automatic Backwash Filters and UN Series Upflow Neutralizers

CBW10 Automatic Backwash Filter

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



Filter Media Ordered Separately



"D" Models feature dome plug

CBW Filters

UN10/UN20 Upflow Neutralizers



UN Series
Upflow
Neutralizers with
Dome Plug

CBW Series Automatic Backwash Specifications

Model Number	Flow Rates			Volume (Cu.Ft.)	Inlet/Outlet	Ship Weight (Lbs.)
	Cont.	Peak	Backwash			
CBW10	3	6	5.3	1	1"	47.5
CBW10D	3	6	5.3	1	1"	47.5
CBW20	5	10	7.5	2	1"	57.5
CBW20D	5	10	7.5	2	1"	57.5

UN Upflow Neutralizer Specifications

Model Number	Flow Rates			Volume (Cu.Ft.)	Inlet/Outlet	Ship Weight (Lbs.)
	Cont.	Peak	Backwash			
UN10	3	6	N/A	1	3/4"	138
UN20	5	7	N/A	2	1"	188

CBW Series Residential Backwash Filters

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

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

ACTIVATED CARBON

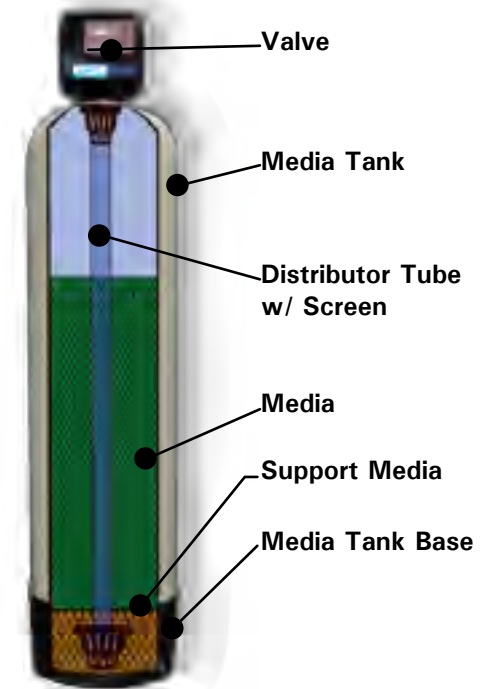
Activated Carbon may be used for a variety of water treatment applications requiring the removal of taste, odor, and color. One of the most common applications for Activated Carbon is the removal of the undesirable taste present in many chlorinated water supplies. The end product is clean, fresh water 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.

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.

Resin and Filter Media

The type of filter media used in backwash filters depends on the particular water problem to be treated. Use the table below for assistance with media selection.

Media Type	Application
Activated Carbon	Taste & Odor, Dechlorination, Organics
Birm	Iron Removal (Water must be rich in dissolved oxygen content)
Filter-Ag	Turbidity Removal (20 Micron)
Filter Sand	Precipitated Iron; Turbidity
Neutralizer Blend	Acidic Water

Part Number	Media Type	Volume (Cu. Ft.)	Ship Wt. (Lbs.)
136203	Tannin / Anion resin	1/2 cu. ft.	24
135514	Birm	1 cu. ft.	41
136372	Calcite neutralizer	1/2 cu. ft.	50
023357	Calcite neutralizer	1 cu. ft.	98
135516	Carbon	1 cu. ft.	35
023355	Coarse mesh cation resin	3/4 cu. ft.	40
023356	Coarse mesh cation resin	1 cu. ft.	62
135518	Filter Ag	1 cu. ft.	26
137261	Fine mesh cation resin	1/2 cu. ft.	27
137262	Fine mesh cation resin	3/4 cu. ft.	40
023359	Garnet	30 lbs.	33
135523	Gravel	20 lbs.	21.5
023529	Gravel	30 lbs.	31.5
023358	Mixed blend (birm/calcite/filter ag)	1 cu. ft.	88
136227	Undersink refill kit		10.44

Deluxe Undercounter Taste & Odor Filter

TasteMax Undersink Filter Benefits

Unlike the small cartridge type carbon filters which need to be replaced each month, the TasteMax Undersink Filter can last up to 3 years under normal conditions before carbon replacement is necessary.

Plus, the Deluxe Undercounter Filter allows a normal rate of water flow of approximately three gallons per minute through the faucet. Most cartridge type filters and faucet mount filters restrict water flow to a level that requires considerable time to fill a pan with water. Or, they have no restriction control at all, which means little contact time with carbon and therefore less effective removal of contaminants present in the water. More mineral, more contact time with water, less hassle with changing cartridges every 45 days.

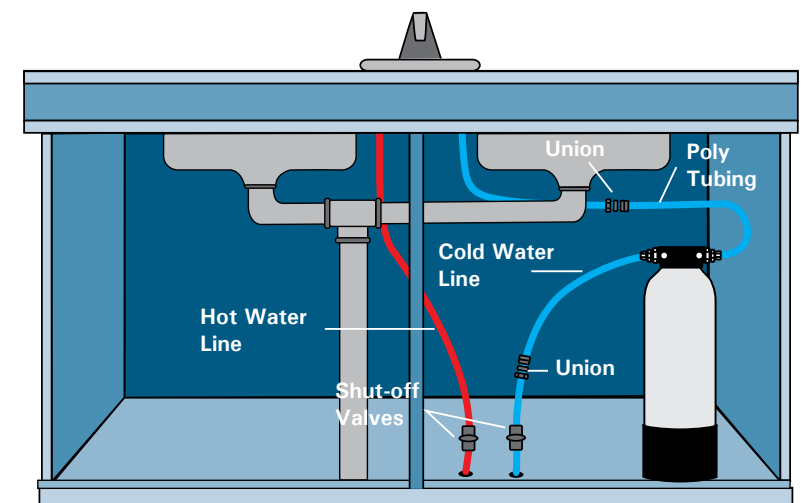


Model TM06

Effectively reduces: bad taste, odors, chlorine, organic chemicals, pesticides and herbicides. For use on private or municipal water systems.

- Simple to install—easily replaces standard cartridge filters.
- Mineral easily replaced, approximately every three years.
- 10 year warranty on NSF approved fiberglass tank.
- Wastes no water, uses no electricity.
- Compact size (7" W x 20" H) fits conveniently under standard kitchen sink.
- Improves the taste and odor of water and beverages.
- Reduces chemicals such as chlorine and municipal treatment chemical by-products.

Value Plus Performance	Undersink Carbon Filter	Typical Cartridge Filter	Typical Faucet Mount Filter
Amount of Activated Carbon	4 pounds (1814 grams)	14 ounces (398 Grams)	Less than 1 oz. (27 Grams)



NOTE: Carbon filter mineral must be replaced periodically to ensure filter effectiveness. Maximum life is 3 years. For your 3 year carbon replacement, order carbon refill kit 136227.

Specifications

Service Flow Rate	Maximum Operating Temp.	Maximum Operating Pressure	Minimum Operating Pressure	Plumbing Conn.	Total Space Required	Approx. Ship Wt.
3 GPM (11.4 LPM)	100°F (40.8°C)	80 PSI (551.6 KPa)	20 PSI (137.9 KPa)	3/8" O.D. Copper or Plastic	7" x 20" (17.8cm x 53.4cm)	14 lbs. 6.35 kg

Filter Housings

Full line of filter housings from 3/8" to 1-1/2" inlet and outlet. All housings shipped with pressure relief valve. All filter housings include wrench, mounting bracket and extra o-ring.

10" FILTER HOUSINGS

Model Number	Pipe Size	Sump	Max Pressure	Case Qty.*	Included		
					O-Ring †	Bracket †	Wrench
FH1034O-12	3/4"	Opaque	100 PSI	12	FHOR1B	FHMB02	FW10F
FH1034C-12	3/4"	Clear					

10" FILTER HOUSINGS (VALVE-IN-HEAD)

Model Number	Pipe Size	Sump	Max Pressure	Case Qty.*	Included		
					O-Ring †	Bracket †	Wrench
FH1034VH-12	3/4"	Clear	100 PSI	12	FHOR1B	FHMBU1	FW10F

20" FILTER HOUSINGS

Model Number	Pipe Size	Sump	Max Pressure	Case Qty.*	Included		
					O-Ring †	Bracket †	Wrench
FH2034O-6	3/4"	Opaque	100 PSI	6	FHOR1B	FHMB20	FW20F

10" JUMBO FILTER HOUSINGS

Model Number	Pipe Size	Sump	Max Pressure	Case Qty.*	Included		
					O-Ring †	Bracket †	Wrench
FH1010J-4	1"	Opaque	100 PSI	4	FHOR3B	FHMBJ1	FW10JF
FH1015J-4	1-1/2"						

10" HOT WATER FILTER HOUSINGS

Model Number	Pipe Size	Sump	Max Temperature	Case Qty.*	Included		
					O-Ring †	Bracket †	Wrench
FH1034HW	3/4"	Opaque	180°	1	FHOR2B	FHMB02	FW10F

*Sold in Case Quantity Only.
†Included with Filter Housing

Filter Accessories and Cartridges

BRACKETS, WRENCHES AND O-RINGS

Part Number	Description
FHOR1B	Standard Buna O-Ring
FHOR2B	Viton O-Ring
FHOR3B	Jumbo O-Ring
FHMB02	Mounting Bracket and Screws
FHMB20	20" Mounting Bracket and Screws
FHMBJ1	10" Jumbo Mounting Bracket and Screws
FW20F	Full Wrench - 20" Housings
FW10F	Full Wrench - 10" Housings
FW10JF	Full Wrench - Jumbo Housings
FHMBU1	U-Shaped mounting bracket and screws

Cartridges are available from 1 to 50 micron. Remove dirt, rust, sediment and/or improve taste and odor. Universal sizes will fit virtually all competitive filter housings.

10" POLYPROPYLENE STRING WOUND

Part No.	Construction Type	Micron Rating	Maximum Flow (gpm)	Application	Case Qty.*
SW1001-24	String Wound	1	5	Dirt Rust Sediment	24
SW1005-24		5	10		
SW1010-24		10	10		
SW1020-24		20	10		
SW1025-24		25	10		
SW1030-24		30	10		
SW1050-24		50	10		

10" PLEATED FILTERS

Part No.	Construction Type	Micron Rating	Maximum Flow (gpm)	Application	Case Qty.*
PL1020-24	Pleated	20	10	Dirt, Rust, Sediment	24

*Pleated, reusable polyester

10" CARBON FILTERS

Part No.	Construction Type	Micron Rating	Maximum Flow (gpm)	Application	Case Qty.*
GAC10-24	Granular Carbon	T & O	3	Taste & Odor	24
CP1005-24	Pleated Carbon		5		
CBL10-12	Carbon Block		2		12

*Sold in Case Quantity Only.



WATER TREATMENT

Filter Cartridges and Water Test Kit

20" POLYPROPYLENE STRING WOUND

Part No.	Construction Type	Micron Rating	Maximum Flow (gpm)	Application	Case Qty.*
SW2001-24	String Wound	1	10	Dirt, Rust, Sediment	24
SW2005-24		5	15		
SW2010-24		10	15		
SW2020-24		20	15		
SW2025-24		25	15		
SW2030-24		30	15		
SW2050-24		50	15		

JUMBO 4-1/2" POLYPROPYLENE STRING WOUND

Part No.	Construction Type	Micron Rating	Maximum Flow (gpm)	Application	Case Qty.*
SWJ01-9	String Wound	1	12	Dirt, Rust, Sediment	9
SWJ05-9		5	24		
SWJ10-9		10	24		
SWJ20-9		20	24		
SWJ30-9		30	24		
SWJ100-9		100	28		

JUMBO 4-1/2" PLEATED FILTERS

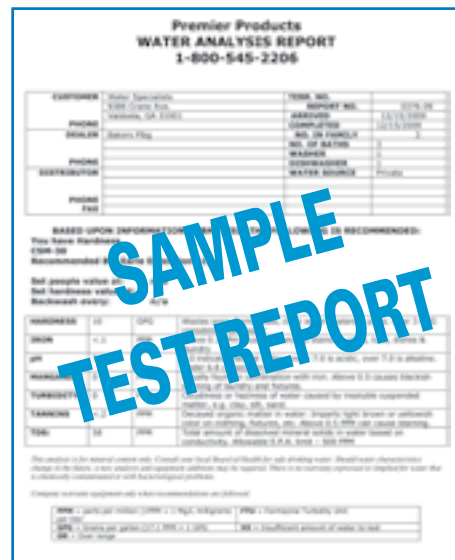
Part No.	Construction Type	Micron Rating	Maximum Flow (gpm)	Application	Case Qty.*
PLJ05-8	*Pleated Washable	5	25	Dirt, Rust, Sediment	8
PLJ20-8		20	25		

*Pleated reusable polyester

*Sold in Case Quantity Only.

021814 Water Test Kit

The ability of all water conditioning products to enhance water quality depends on a variety of demands placed on the unit, such as ph, dissolved solids, flow rates, and others. Premier recommends that all water be tested, particularly private well water, prior to selecting any water treatment equipment. To ensure peak performance, order Premier's 021814 comprehensive factory analysis kit for professional, in house water testing.



Softener Selection & Setting Chart (12 Day)



WATER TREATMENT

PP0133 0410
Supersedes
New

PREMIER SOFTENER SELECTION & SETTING CHART (12 Day)

No. of People	Size	ADJUSTED HARDNESS - GRAINS PER GALLON (GPG)																				
		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	
1	30K	6/1	6/1	6/1	6/2	6/2	6/2	6/2	6/2	9/2	9/2	9/2	9/2	12/2	12/2	12/2	12/2	12/2	12/2	12/2	15/2	
2		6/1	6/1	6/2	6/2	6/3	6/3	6/3	6/3	6/4	9/3	9/4	9/4	9/4	12/3	12/3	15/3	15/3	15/3	12/4	12/4	12/4
3		6/1	6/2	6/2	6/3	6/3	6/4	6/6	6/6	9/6	9/6	9/6	9/6	15/4	18/4	18/4	18/4	18/4	12/6	12/6	12/6	12/6
4		6/1	6/2	6/3	6/4	6/4	6/6	9/6	9/6	9/6	12/6	12/6	12/6	12/6	15/6	15/6	15/6	15/6	18/6	18/6	9/12	9/12
5		6/1	6/2	6/3	6/4	6/6	6/6	9/6	12/6	12/6	12/6	15/6	18/6	9/12	9/12	9/12	9/12	9/12	9/12	9/12	9/12	9/12
6		6/2	6/3	6/4	6/6	6/6	9/6	12/6	12/6	12/6	15/6	18/6	9/12	9/12	9/12	9/12	9/12	9/12	9/12	12/12	12/12	
7		6/2	6/3	6/4	6/6	12/4	9/6	12/6	15/6	18/6	9/12	9/12	9/12	9/12	9/12	9/12	12/12	12/12				
8		6/2	6/3	6/6	12/4	9/6	12/6	15/6	9/12	9/12	9/12	9/12	12/12	12/12	12/12	12/12						
9		12/1	12/2	12/3	12/4	9/6	12/6	9/12	9/12	9/12	9/12	12/12	12/12									
10		15/1	15/2	9/4	9/6	12/6	15/6	9/12	9/12	9/12	9/12	12/12										
		45K							60K					CONSULT FACTORY FOR ASSISTANCE								

How to Use This Chart

Determine the adjusted hardness of sample water by adding 3 times the amount of iron in Parts Per Million (ppm) to the hardness of water in Grains Per Gallon (gpg).

Example: Water is 18.0 gpg hard
Iron is 2.0 ppm
Adjusted hardness equals 18.0 gpg + 6.0 = 24.0 gpg

When using this chart round off the adjusted hardness reading to the next highest figure. (for 24.0 grains adjusted hardness use 25)
Note: if no iron is present in water sample or an oxidizing filter is to be used, then actual hardness reading will also be the adjusted hardness.

Locate the box intersected by the Adjusted Hardness and No. of People. The intersected box will fall between two "bold" boundary lines. Follow these boundaries back to the column headed "size" to determine the capacity of softener to be recommended. (30K= 30,000 grain softener etc.).

The first of two numbers in the box designates salt dosage. The second number recommends frequency of regeneration per 12 day period.

Example: 6/3 would indicate a salt dosage of 6# and a regeneration frequency of 3 times every 12 days or every 4th day.

Iron * IMPORTANT * Sulfur

Softeners are designed to handle reasonable amounts of soluble iron if consideration is given to iron content when selecting a model. Sulfur, bacterial iron, and precipitated iron require special equipment in often times in addition to a water softener.

Note: This chart is based on averages and when properly used will adequately handle most situations. Unusual conditions in a household affecting water usage or other related factors may require special consideration when determining model and settings.

Type of Iron	IRON PARTS PER MILLION (PPM)										
	1	2	3	4	5	6	7	8	9	10	> 10
Ferrous / "Clear Water"	Standard Water Softener			Combo Series Water Softener					Chem-Free Iron Filter		Chlorination / Chemical Feed
Ferric / Red Water	Combo Series Water Softener				Chem-Free Iron Filter						
Bacterial / Slime	Chlorination / Chemical Feed										

Water Treatment Catalog



WATER TREATMENT

General Offices	(260) 347-1600
Toll-Free	(800) 345-9422
Toll-Free Service	(800) 742-5044
Toll Free Water Conditioning	(800) 545-2206
Toll-Free Sales Department	(800) 927-0360
Toll-Free Sales Fax	(800) 848-2535

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