

Single Water Softeners with Time-Based Regeneration

About Water Softeners:

Hard Water contains dissolved minerals in the form of Calcium (Ca), Magnesium (Mg), and Iron (Fe). Removal of these minerals is accomplished by softening the water through an ion exchange process. As the water flows through the mineral tank, the dissolved minerals become attached to the resin, creating soft water. Over a period of time the resin will become exhausted, and the softener will regenerate using a brine solution produced from the salt in the brine tank.

Advantages to Using Water Softeners:

- Provides excellent Scale Prevention Pretreatment for Reverse Osmosis Systems
- Prevents Hard Water Scale
- Prevents Staining on Bathroom & Kitchen Fixtures as well as Dishes, Dishwasher, Washing Machine and Clothes
- Significantly Reduces Soap and Cleaning Product Consumption
- Reduces Water Heating Costs
- Prolongs Life of Reverse Osmosis Membranes, Water Heaters, Icemakers, Dishwashers, Coffeemakers and Plumbing Fixtures



With No Jacket



With SS Jacket***

Single Softeners with Electro-Mechanical Timer Based Regeneration

Model No.*	Volume of Media (Cu.Ft.)	Flow Rate** (GPM)		Backwash Flow** (GPM)	Fleck Valve Head	Tank Size (Dia" x H")	Brine Tank Size (Dia" x H")	In/Out Conn. (in.)	Approx. Ship. Wt. (lbs)
		5gpm/ft. ²	15gpm/ft. ²						
W-S744SS	0.4	1	4	1.5	5600	7 x 44	18 x 33	3/4	80
W-S844SS	0.5	2	5	2	5600	8 x 44	18 x 33	3/4	85
W-S940SS	0.7	2	6	2	5600	9 x 40	18 x 40	3/4	90
W-S1040SS	1.0	2	7	3	5600	10 x 40	18 x 40	3/4	100
W-S1054SS	1.5	2	7	3	5600	10 x 54	18 x 40	3/4	125
W-S1252SS	2.0	4	12	4	2510	12 x 52	18 x 40	1	165
W-S1354SS	2.5	4	14	5	2510	13 x 54	18 x 40	1	215
W-S1465SS	3.0	5	16	6	2510	14 x 65	24 x 41	1	245
W-S1665SS	4.0	7	21	7	2510	16 x 65	24 x 41	1	285
W-S2162SS	8.0	13	36	12	2850	21 x 62	30 x 48	1.5	515
W-S2472SS	10.0	15	47	15	2850	24 x 72	39 x 48	1.5	735
W-S3072SS	15.0	24	74	25	3150	30 x 72	39 x 48	2	985
W-S3672SS	20.0	35	106	35	3150	36 x 72	39 x 60	2	1,385
W-S4272SS	30.0	48	144	50	3900	42 x 72	42 x 60	3	2,035
W-S4872SS	40.0	60	188	60	3900	48 x 72	60 x 60	3	2,735

Notes:

- * Please add the appropriate voltage code to the end of the model no. when ordering. 110v/60Hz = 116, 220v/60Hz = 216, 220v/50Hz = 215 Example: W-S744SS-116
- ** 5 gpm per sq. ft. of media is the best design condition for filtration. For relatively clean water, you may go up to design criteria of 15 gpm per sq. ft. Backwash flow rate based on 25 psi pressure drop.
- *** Stainless Steel Jacket available for 9-16" Diameter as an additional option.

Specifications

- Vessel rated at 150 psi max. operating pressure, 120°F max. operating temp.
- All Systems Automatic
- Fleck Control Valve
- Standard Valve Configuration Below. Metered Valve, Electronic Valve, or change to 7/12-Day timer are available as options.
 - 7"-14" Diameter: 7-Day Timer.
 - 16"-48" Diameter: 12-Day Timer.

Single Water Softeners with Meter-Based Regeneration

About Water Softeners:

Hard Water contains dissolved minerals in the form of Calcium (Ca), Magnesium (Mg), and Iron (Fe). Removal of these minerals is accomplished by softening the water through an ion exchange process. As the water flows through the mineral tank, the dissolved minerals become attached to the resin, creating soft water. Over a period of time the resin will become exhausted, and the softener will regenerate using a brine solution produced from the salt in the brine tank.

Advantages to Using Water Softeners:

- Provides excellent Scale Prevention Pretreatment for Reverse Osmosis Systems
- Prevents Hard Water Scale
- Prevents Staining on Bathroom & Kitchen Fixtures as well as Dishes, Dishwasher, Washing Machine and Clothes
- Significantly Reduces Soap and Cleaning Product Consumption
- Reduces Water Heating Costs
- Prolongs Life of Reverse Osmosis Membranes, Water Heaters, Icemakers, Dishwashers, Coffeemakers and Plumbing Fixtures



With No Jacket



With SS Jacket***

SINGLE SOFTENERS – Flow Based Meter Regeneration

Model No.*	Volume of Media (Cu.Ft.)	Flow Rate** (GPM)		Backwash Flow** (GPM)	Fleck Valve Head	Tank Size (Dia" x H")	Brine Tank Size (Dia" x H")	In/Out Conn. (in.)	Approx. Ship. Wt. (lbs)
		5gpm/ft. ²	15gpm/ft. ²						
W-S744SM	0.4	1	4	1.5	5600	7 x 44	18 x 33	¾	80
W-S844SM	0.5	2	5	2	5600	8 x 44	18 x 33	¾	85
W-S940SM	0.7	2	6	2	5600	9 x 40	18 x 40	¾	90
W-S1040SM	1.0	2	7	3	5600	10 x 40	18 x 40	¾	100
W-S1054SM	1.5	2	7	3	5600	10 x 54	18 x 40	¾	125
W-S1252SM	2.0	4	12	4	2510	12 x 52	18 x 40	1	165
W-S1354SM	2.5	4	14	5	2510	13 x 54	18 x 40	1	215
W-S1465SM	3.0	5	16	6	2510	14 x 65	24 x 41	1	245
W-S1665SM	4.0	7	21	7	2510	16 x 65	24 x 41	1	285
W-S2162SM	8.0	13	36	12	2850	21 x 62	30 x 48	1.5	515
W-S2472SM	10.0	15	47	15	2850	24 x 72	39 x 48	1.5	735
W-S3072SM	15.0	24	74	25	3150	30 x 72	39 x 48	2	985
W-S3672SM	20.0	35	106	35	3150	36 x 72	39 x 60	2	1,385
W-S4272SM	30.0	48	144	50	3900	42 x 72	42 x 60	3	2,035
W-S4872SM	40.0	60	188	60	3900	48 x 72	60 x 60	3	2,735

Notes:

- * Please add the appropriate voltage code to the end of the model no. when ordering. 110v/60Hz = 116, 220v/60Hz = 216, 220v/50Hz = 215 Example: W-S744SM-116
- ** 5 gpm per sq. ft. of media is the best design condition for filtration. For relatively clean water, you may go up to design criteria of 15 gpm per sq. ft. Backwash flow rate based on 25 psi pressure drop.
- *** Stainless Steel Jacket available for 9-16" Diameter as an additional option.

Specifications

- Vessel rated at 150 psi max. operating pressure, 120°F max. operating temp.
- All Systems Automatic
- Fleck Metered Control Valve

Twin Alternating Water Softeners with Meter Regeneration

Model No.*	Media Volume (Cu. Ft.)		Flow Rate** (GPM)		Backwash Flow** (GPM)	Fleck Valve Head	Tank Size (2 Tanks) (Dia" x H")	Brine Tank Size (Dia" x H")	In/Out Conn. (in.)	Approx. Ship. Wt. (lbs)
	Per Tank	Total	5gpm/ft. ²	15gpm/ft. ²						
W-S744ST	0.4	0.8	1	4	1.5	9000	7 x 44	18 x 33	¾	135
W-S844ST	0.5	1.0	2	5	2	9000	8 x 44	18 x 33	¾	145
W-S940ST	0.7	1.4	2	6	2	9000	9 x 40	18 x 40	¾	155
W-S1040ST	1.0	2.0	2	7	3	9000	10 x 40	18 x 40	¾	175
W-S1054ST	1.5	3.0	2	7	3	9000	10 x 54	18 x 40	¾	235
W-S1252ST	2.0	4.0	4	12	4	9000	12 x 52	18 x 40	¾	415
W-S1354ST	2.5	5.0	4	14	5	9000	13 x 54	18 x 40	¾	435
W-S1465ST	3.0	6.0	5	16	6	9000	14 x 65	24 x 41	¾	485
W-S1665ST	4.0	8.0	7	21	7	9000	16 x 65	24 x 41	1	635
W-S2162ST	8.0	16.0	13	36	12	9500	21 x 62	30 x 48	1.5	1,035
W-S2472ST	10.0	20.0	15	47	15	9500	24 x 72	39 x 48	1.5	1,535
W-S3072ST	15.0	30.0	24	74	25	2900 (2)	30 x 72	39 x 48	2	2,035
W-S3672ST	20.0	40.0	35	106	35	3150 (2)	36 x 72	39 x 60	2	2,835
W-S4272ST	30.0	60.0	48	144	50	3900 (2)	42 x 72	42 x 60	3	4,135
W-S4872ST	40.0	80.0	60	188	60	3900 (2)	48 x 72	60 x 60	3	5,535

- Notes:**
- * Please add the appropriate voltage code to the end of the model no. when ordering. 110v/60Hz = 116, 220v/60Hz = 216, 220v/50Hz = 215 Example: W-S744ST-116
 - ** 5 gpm per sq. ft. of media is the best design condition for filtration. For relatively clean water, you may go up to design criteria of 15 gpm per sq. ft. Backwash flow rate based on 25 psi pressure drop.
 - *** Stainless Steel Jacket available for 9-16" Diameter as an additional option.

Sizing and Selection Information

Step 1: Calculate Total Hardness as GPG

Usually chemical analyses report calcium (Ca) and magnesium (Mg) in terms of parts per million (ppm) as calcium carbonate (CaCO₃). However, in some cases, the analysis is reported in terms of the elements themselves. If this is the case, proceed as follows:

Calcium (as Ca) _____ x 2.50 = _____ ppm Ca as CaCO₃. **(A)**
 Magnesium (as Mg) _____ x 4.10 = _____ ppm Mg as CaCO₃. **(B)**
 A _____ + B _____ = _____ Total Hardness PPM as CaCO₃

Total Hardness PPM as CaCO₃ _____ ÷ 17.1 = _____ GPG as CaCO₃.

Step 2: Calculate Cubic Feet of Resin Required

_____ Gallons per Day x _____ Total Hardness (GPG) = _____ Grains per Day

_____ Grains per Day ÷ 30,000 = _____ Cubic Feet of Resin Required

Select the appropriate softener based on the volume of resin. When between sizes, it is recommended to select the next size up.

Note: Above calculations are based on daily regeneration and maximum resin capacity. Regeneration based on 15 lbs. of salt per cubic foot of resin.



System shown with Optional Skid Mounting & Control Panel.



Carbon Filters with Automatic Backwash

About Carbon Filters:

These filters are used to reduce chlorine, organics, color, tannin, and objectionable tastes and odors from water. Automatic backwashing system removes the trapped contaminants within the filter bed and washes them down the drain. Our Household Carbon Filters (10"-12" Diameter) use NSF approved coconut shell based carbon.

Advantages of Carbon Filtration:

- Significantly reduce the following contaminants:
 - Chlorine
 - Chlorine By-Products such as Trihalomethanes (THMs)
 - Bad Tastes and Odors
 - Turbidity
 - Herbicides, Pesticides & Insecticides
 - Volatile Organic Chemicals (VOCs)



With SS Jacket***



With No Jacket

Model No.*	Volume of Media (Cu.Ft.)	Flow Rate (GPM)**		Backwash Flow (GPM)**	Fleck Valve Head	Tank Size (Dia"×H")	In/Out Conn. (in.)	Approx. Ship. Wt. (lbs)
		5gpm/ft. ²	15gpm/ft. ²					
W-G744	0.4	1	4	2	5600	7 × 44	¾	60
W-G844	0.5	2	5	3	5600	8 × 44	¾	62
W-G940	0.7	2	6	3.5	5600	9 × 40	¾	65
W-G1040	1.0	2	7	4	5600	10 × 40	¾	70
W-G1054	1.4	2	7	4	5600	10 × 54	¾	80
W-G1252	1.9	4	12	6	2510	12 × 52	1	100
W-G1354	2.4	4	14	7	2510	13 × 54	1	135
W-G1465	3.0	5	16	7	2510	14 × 65	1	185
W-G1665	4.0	7	21	15	2510	16 × 65	1	235
W-G2162	8.0	13	36	25	2850	21 × 62	1.5	335
W-G2472	10.0	15	47	40	2850	24 × 72	1.5	410
W-G3072	15.0	24	74	55	3150	30 × 72	2	485
W-G3672	20.0	35	106	75	3150	36 × 72	2	785
W-G4272	30.0	48	144	100	3900	42 × 72	3	935
W-G4872	40.0	60	188	100	3900	48 × 72	3	1,535

Notes:

- * Please add the appropriate voltage code to the end of the model no. when ordering.
110v/60Hz = 116, 220v/60Hz = 216, 220v/50Hz = 215 Example: W-G744-116
- ** 5 gpm per sq. ft. of media is the best design condition for filtration. For relatively clean water, you may go up to design criteria of 15 gpm per sq. ft. Backwash flow rate based on 25 psi pressure drop.
- *** Stainless Steel Jacket available for 9-16" Diameter as an additional option.

Specifications

- Vessel rated at 150 psi max. operating pressure, 120°F max. operating temp.
- All Systems Automatic
- Fleck Control Valve
- Standard Valve Configuration Below. Metered Valve, Electronic Valve, or change to 7/12-Day timer are available as options.
 - 7"-14" Diameter: 7-Day Timer.
 - 16"-48" Diameter: 12-Day Timer.



Systems Shown with Optional Skid Mounting and Control Panel

Multi-Media Filters for Sediment Removal with Auto Backwash

About Multi-Media Filtration:

These filters contain several types of media and gravel underbedding. Multi-media filtration is a proven design concept; the coarse media layers in the top of the tank trap large particles and successively smaller particles are trapped in the finer layers of media deeper in the bed. The result is a highly efficient filtering since removal takes place throughout the entire bed. Multi-Media depth filters typically remove particles 5-15 microns in size or larger. All media included in our filters are carefully selected according to particle size, so the media retains its stratification during backwash and rinse. Automatic backwashing system removes the trapped contaminants within the filter bed and washes them down the drain.



With SS Jacket****



With No Jacket

Multi-Media Sediment Filters

Model No.*	Volume of Media** (Cu.Ft.)	Flow Rate*** (GPM)		Backwash Flow**(GPM)	Fleck Valve Head	Tank Size (Dia"×H")	In/Out Conn. (in.)	Approx. Ship. Wt. (lbs)
		5gpm/ft. ²	15gpm/ft. ²					
W-MB744	0.4	1	4	4	5600	7 × 44	¾	85
W-MB844	0.5	2	5	5	5600	8 × 44	¾	90
W-MB940	0.8	2	6	6	5600	9 × 40	¾	95
W-MB1040	1.0	2	7	7	5600	10 × 40	¾	105
W-MB1054	1.4	2	7	7	5600	10 × 54	¾	125
W-MB1252	1.9	4	12	12	2510	12 × 52	1	215
W-MB1354	2.3	4	14	15	2510	13 × 54	1	265
W-MB1465	3.5	5	16	15	2510	14 × 65	1	295
W-MB1665	4.0	7	21	15	2510	16 × 65	1	335
W-MB2162	7.0	13	36	49	2850	21 × 62	1.5	515
W-MB2472	10.0	15	47	45	2850	24 × 72	1.5	735
W-MB3072	16.0	24	74	75	3150	30 × 72	2	985
W-MB3672	23.0	35	106	105	3150	36 × 72	2	1,385
W-MB4272	30.0	48	144	100	3900	42 × 72	3	2,035

For larger flows, please use Filter-Ag filters, page 7-8

Notes:

- * Please add the appropriate voltage code to the end of the model no. when ordering.
110v/60Hz = 116, 220v/60Hz = 216, 220v/50Hz = 215 Example: W-MB744-116
- ** Volume of media is approximate and includes underbedding.
- *** 5 gpm per sq. ft. of media is the best design condition for filtration. For relatively clean water, you may go up to design criteria of 15 gpm per sq. ft. Backwash flow rate based on 25 psi pressure drop.
- **** Stainless Steel Jacket available for 9-16" Diameter as an additional option.

Specifications

- Vessel rated at 150 psi max. operating pressure, 120°F max. operating temp.
- All Systems Automatic
- Fleck Control Valve
- Standard Valve Configuration Below. Metered Valve, Electronic Valve, or change to 7/12-Day timer are available as options.
 - 7"-14" Diameter: 7-Day Timer.
 - 16"-48" Diameter: 12-Day Timer.



System Shown with Optional Skid Mounting & Control Panel

Pyrolox Filters for Reducing Iron, Sulfur & Manganese

About Pyrolox:

A mined ore, Pyrolox effectively reduces iron, sulfur and manganese from problem water.

A Naturally mined ore, Pyrolox is a mineral form of manganese dioxide which has been used in water treatment for more than 75 years. Pyrolox is a granular filtration media for hydrogen sulfide, iron and manganese reduction. Pyrolox functions as a catalyst, but itself remains relatively unchanged. Pyrolox works on a principle whereby the hydrogen sulfide, iron and manganese are oxidized and trapped on the media while simple backwashing cleans the bed. No chemical regeneration is required, nothing is imparted into the drinking water and Pyrolox has a high capacity for low contaminant concentrations. Pyrolox can be used in conjunction with aeration, chlorination, ozone or other pretreatment methods for difficult applications. Chlorine or other oxidants accelerate the catalytic reaction.

Advantages of Pyrolox:

- Effective reduction of iron, sulfur and manganese
- Durable material with long service life and low annual attrition of bed
- No chemical regeneration required, only periodic backwashing

Conditions for Operation:

- pH: 6.5 - 9.0
- Because of its heavy weight, it is very important that Pyrolox filters are backwashed properly to insure adequate bed expansion and continued service life.



With SS Jacket***

With No Jacket

Iron Filters (Pyrolox)

Model No.*	Media (Cu.Ft.)	Service Flow Rate** (GPM)	Backwash** (GPM)	Fleck Valve Head	Tank Size (Dia." x H.")	Pipe Size (in.)	Approx. Ship. Wt. (lbs)
W-MFI744P	0.3	1.3	7	5600	7 x 44	3/4	75
W-MFI844P	0.5	1.7	7	2510	8 x 44	1	95
W-MFI940P	0.6	2.2	12	2510	9 x 40	1	100
W-MFI1040P	1.0	2.7	15	2510	10 x 40	1	155
W-MFI1054P	1.0	2.7	15	2510	10 x 54	1	165
W-MFI1252P	1.5	3.9	15	2510	12 x 52	1	245
W-MFI1354P	2.0	4.6	25	2750	13 x 54	1	285
W-MFI1465P	2.5	5.3	25	2750	14 x 65	1	435
W-MFI1665P	3.0	7.0	30	2850	16 x 65	1.5	465
W-MFI2162P	4.0	12.0	49	2850	21 x 62	1.5	635
W-MFI2472P	6.0	15.7	60	3150	24 x 72	2	905



System Shown with Optional Skid Mounting & Control Panel

Notes:

* Please add the appropriate voltage code to the end of the model no. when ordering.

110v/60Hz = 116, 220v/60Hz = 216, 220v/50Hz = 215 Example: W-MFI744P-116

** 5 gpm per sq. ft. of media is the best design condition for filtration. Backwash flow rate based on 25 psi pressure drop.

*** Stainless Steel Jacket available for 9-16" Diameter as an additional option.

Specifications

- Vessel is rated at 150 psi maximum operating pressure, 120°F maximum operating temperature.
- All Systems Automatic
- Fleck Control Valve
- Standard Valve Configuration Below. Metered Valve, Electronic Valve, or change to 7/12-Day timer are available as options.
 - 7"-14" Diameter: 7-Day Timer.
 - 16"-48" Diameter: 12-Day Timer.

Manganese Greensand Filters for Iron Reduction

About Manganese Greensand:

Manganese Greensand is capable of reducing iron, manganese and hydrogen sulfide from water through oxidation and filtration.

Manganese Greensand is formulated from a glauconite greensand which is capable of reducing iron, manganese and hydrogen sulfide from water through oxidation and filtration. Soluble iron and manganese are oxidized and precipitated by contact with higher oxides of manganese on the greensand granules. The hydrogen sulfide is reduced by oxidation to an insoluble sulfur precipitate. Precipitates are then filtered and removed by backwashing. When the oxidizing capacity power of the Manganese Greensand bed is exhausted, the bed has to be regenerated with a weak potassium permanganate (KMnO₄) solution thus restoring the oxidizing capacity of the bed. 1½ to 2 ounces of potassium permanganate, in solution, per cubic foot of Manganese Greensand is considered sufficient for normal regeneration. It is required to vigorously backwash and regenerate the bed when it is placed in service and before its oxidation capacity is totally exhausted. Operating the bed after oxidation capacity is exhausted will reduce its service life and may cause staining.

Advantages of Manganese Greensand:

- Iron reduction over a wide pH range
- Effective reduction of hydrogen sulfide in addition to iron and/or manganese
- No harmful effects from a chlorine feed
- Low attrition for long bed life

Conditions for Operation:

- Water pH range: 6.2-8.5
- Maximum Water Temperature: 80°F/26.7°C

Specifications:

- Vessel is rated at 150 psi max. operating pressure, 120°F max. operating temp.
- All Systems Automatic
- Fleck Control Valve
- Standard Valve Configuration Below. Metered Valve, Electronic Valve, or change to 7/12-Day timer available as options.
 - 7"-14" Diameter: 7-Day Timer. • 16"-48" Diameter: 12-Day Timer
- Potassium Permanganate Regeneration Tanks* (for 7"-14" Dia. Filters)



With SS Jacket****



With No Jacket

Iron Filters (Manganese Greensand)

Model No.**	Media (Cu.Ft.)	Flow** * (GPM)	Backwash* ** (GPM)	Fleck Valve Head	Tank Size (Dia"xH")	Regen. Tank (Dia"xH")	In/Out Conn. (in.)	Approx. Ship. Wt. (lbs)
W-MF1744G	0.7	1.3	3	5600	7×44	18×33	¾	145
W-MF1844G	0.9	1.7	4	5600	8×44	18×33	¾	155
W-MF1940G	1.0	2.2	5	5600	9×40	18×40	¾	160
W-MF11040G	1.0	2.2	5	5600	10×40	18×40	¾	170
W-MF11054G	1.5	2.7	7	5600	10×54	18×40	¾	235
W-MF11252G	2.0	3.9	7	5600	12×52	18×40	¾	285
W-MF11354G	2.5	4.6	12	2510	13×54	18×40	1	355
W-MF11465G	3.0	5.3	15	2510	14×65	27×41	1	435
W-MF11665G	4.0	7.0	15	2510	16×65	--	1	585
W-MF12162G	6.0	12.0	25	2850	21×62	--	1.5	835
W-MF12472G	8.0	15.7	37	2850	24×72	--	1.5	1,135
W-MF13072G	15	24.5	60	3150	30×72	--	2	1,735
W-MF13672G	20	35.3	85	3150	36×72	--	2	2,235
W-MF14272G	30	48.1	100	3900	42×72	--	3	3,435



System Shown with Optional Skid Mounting and Control Panel

Notes:

* Manganese Greensand filters with tank diameters up to 14" diameter can be regenerated intermittently, and the regeneration feeder is included. Filters with tank diameters of 16" and larger require continuous injection of potassium permanganate which will require a tank and feeder. The size of the injection system (sold separately) will depend on the water quality.

** Please add the appropriate voltage code to the end of the model no. when ordering.
110v/60Hz = 116, 220v/60Hz = 216, 220v/50Hz = 215 Example: W-MF1744G-116

*** Flow rate based on 5 gpm per sq. ft. of media.

**** Stainless Steel Jacket available for 9-16" Diameter as an additional option.

Calcite Filters for Neutralizing pH of Water

About Calcite:

Calcite is a crushed and screened white marble media which can inexpensively be used to neutralize acidic or low pH waters to a neutral, less corrosive effluent.

Calcite is a naturally occurring calcium carbonate media. One of the advantages of Calcite is its self-limiting property. When properly applied, it corrects pH only enough to reach a non-corrosive equilibrium. It does not overcorrect under normal conditions. Upon contact with calcite, acidic waters slowly dissolve the calcium carbonate to raise the pH which reduces potential leaching of copper, lead and other metals found in typical plumbing systems. Periodic backwashing will prevent packing, reclassify the bed and maintain high service rates. Depending on pH, water chemistry and service flow, the Calcite bed will have to be periodically replenished as the Calcite is depleted.

As the Calcite's calcium carbonate neutralizes the water, it will increase hardness and a softener may become necessary after the neutralizing filter.

Advantages of Calcite:

- Naturally Occurring material
- Low uniformity coefficient for maximum contact
- Inexpensive
- Slower Reacting for controlled pH correction



With SS Jacket***

With No Jacket

Neutralization Filters (Calcite Filters)

Model No.*	Media (Cu.Ft.)	Flow Rate** (GPM)		Backwash** (GPM)	Fleck Valve Head	Tank Size (Dia" x H")	In/Out Conn. (in.)	Approx. Ship. Wt. (lbs)
		5gpm/ft. ²	15gpm/ft. ²					
W-N744	0.4	1	4	3	5600	7 x 44	3/4	85
W-N844	0.5	2	5	4	5600	8 x 44	3/4	90
W-N940	0.7	2	6	5	5600	9 x 40	3/4	95
W-N1040	1.0	2	7	7	5600	10 x 40	3/4	105
W-N1054	1.4	2	7	7	5600	10 x 54	3/4	125
W-N1252	1.9	4	12	10	2510	12 x 52	1	165
W-N1354	2.4	4	14	10	2510	13 x 54	1	215
W-N1465	3.0	5	16	12	2510	14 x 65	1	245
W-N1665	4.0	7	21	15	2510	16 x 65	1	285
W-N2162	8.0	13	36	25	2850	21 x 62	1.5	515
W-N2472	10.0	15	47	25	2850	24 x 72	1.5	735
W-N3072	15.0	24	74	60	3150	30 x 72	2	985
W-N3672	20.0	35	106	80	3150	36 x 72	2	1,385
W-N4272	30.0	48	144	100	3900	42 x 72	3	2,035



System Shown with Optional Skid Mounting and Control Panel

Notes:

- * Please add the appropriate voltage code to the end of the model no. when ordering. 110v/60Hz = 116, 220v/60Hz = 216, 220v/50Hz = 215 Example: W-N940-116
- ** 5 gpm per sq. ft. of media is the best design condition for filtration. For relatively clean water, you may go up to design criteria of 15 gpm per sq. ft. Backwash rate based on 25 psi pressure drop.
- *** Stainless Steel Jacket available for 9-16" Diameter as an additional option.

Specifications

- Vessel is rated at 150 psi maximum operating pressure, 120°F maximum operating temperature.
- All Systems Automatic
- Fleck Control Valve
- Standard Valve Configuration Below. Metered Valve, Electronic Valve, or change to 7/12-Day timer are available as options.
 - 7"-14" Diameter: 7-Day Timer.
 - 16"-48" Diameter: 12-Day Timer.

Filter-Ag Filters for More Efficient Sediment Removal

About Filter-Ag Filters:

Filter-Ag is a non-hydrous silicon dioxide media which can be used as highly efficient filter media for the reduction of suspended matter.

Advantages of Filter-Ag Filters:

- Less pressure loss than most other media filters
- Light weight requires lower back-wash rates
- High service rates for lower equipment costs
- High sediment reduction capacity for longer filter runs, with a substantial savings in backwash water & time out of service
- Light weight reduces shipping costs

Conditions for Operation:

- Water pH Range: wide range
- Maximum water temperature: 140°F/60°C
- Upon installation allow bed to soak overnight before backwashing



With SS Jacket***



With No Jacket

Model No.*	Media (Cu.Ft.)	Flow Rate** (GPM)		Backwash Flow** (GPM)	Fleck Valve Head	Tank Size (Dia"×H")	In/Out Conn. (in.)	Approx Ship Wt (lbs)
		5gpm/ft. ²	15gpm/ft. ²					
W-MA744	0.4	1	4	2	5600	7 × 44	¾	60
W-MA844	0.5	2	5	3	5600	8 × 44	¾	65
W-MA940	0.7	2	6	3.5	5600	9 × 40	¾	70
W-MA1040	1.0	2	7	4	5600	10 × 40	¾	75
W-MA1054	1.4	2	7	4	5600	10 × 54	¾	80
W-MA1252	1.9	4	12	7	5600	12 × 52	¾	105
W-MA1354	2.4	4	14	7	5600	13 × 54	¾	125
W-MA1465	3.0	5	16	7	5600	14 × 65	¾	175
W-MA1665	4.0	7	21	15	2510	16 × 65	1	225
W-MA2162	8.0	13	36	25	2850	21 × 62	1.5	315
W-MA2472	10.0	15	47	49	2850	24 × 72	1.5	385
W-MA3072	15.0	24	74	50	3150	30 × 72	2	455
W-MA3672	20.0	35	106	75	3150	36 × 72	2	735
W-MA4272	30.0	48	144	100	3900	42 × 72	3	885
W-MA4872	40.0	60	188	100	3900	48 × 72	3	1,435



System Shown with Optional Skid Mounting and Control Panel

Notes:

- * Please add the appropriate voltage code to the end of the model no. when ordering.
110v/60Hz = 116, 220v/60Hz = 216, 220v/50Hz = 215 Example: W-MA744-116
- ** 5 gpm per sq. ft. of media is the best design condition for filtration. For relatively clean water, you may go up to design criteria of 15 gpm per sq. ft. Backwash flow rate based on 25 psi pressure drop.
- *** Stainless Steel Jacket available for 9-16" Diameter as an additional option.

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