

# Section 1

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Residential Water Conditioning Equipment

# Whole house water quality problems.

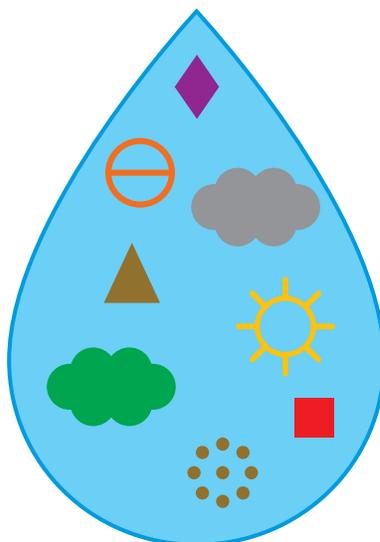
Hardness

Iron

Manganese

Arsenic

Tannin



Bad tastes

Foul odors

Chlorine and harmful chlorine by-products

Turbidity

Acidic water

## The continuous water cycle . . .

Nature intended us to have high quality water. This is why we have the *continuous water cycle*, whereby water from our oceans, rivers, lakes and streams falls to the ground as rain or snow and becomes filtered as it seeps through the earth's surface. As the water works its way through the ground, however, it picks up minerals by dissolving limestone, causing water hardness. Water may also come into contact with Iron, Manganese, Arsenic and other contaminants, which cause additional water treatment problems.

The chart below lists typical whole house water quality problems and indicates which equipment effectively corrects any problems you may have in your home.

Water Quality Problems	Symptoms	Recommended Equipment
Hardness	Mineral deposits on dishes and glassware; stiff, dingy laundry; high soap usage and need for fabric softeners; dry, itchy skin and scalp; unmanageable hair; extra work to remove soap curd on bathtubs and shower stalls; high energy costs due to scale build-up in pipes and on appliances.	Water Softener.
Chlorine, foul odors and tastes	Chlorine taste; foul odors; damage to hair; itchy skin.	Backwashing filter using activated carbon.
Iron & Manganese	Unpleasant metallic tastes; rust particles; staining on plumbing fixtures; red water; odors.	Iron filter.
Turbidity	Cloudy water; sediment, sand, silt and rust particles.	Media filter.
Acidic water (low pH)	Green stains on bathroom sinks and other porcelain surfaces; blue green water. (Acidic water may cause corrosion of pipes & plumbing fixtures.)	Acid neutralizer using Calcite.
Tannin	Brownish, tea colored water; musty odors.	Tannin filter.
Arsenic	A naturally occurring element found in ground water, Arsenic is a carcinogen at high concentrations, and the EPA reports Arsenic may cause adverse health effects in low concentrations. Testing for Arsenic is highly recommended.	Arsenic Reduction System.

# Water Softeners with CK10 Valves

## Water softeners

"Hard" water is not considered unhealthy; however, hard water problems end up costing you money through increased soap usage, reliance on water softening products and shorter life for appliances due to scale build-up in pipes and other factors.

To correct water hardness, We offer a wide range of water conditioning systems, designed to improve water quality throughout your entire household.

## Features and benefits

- Spot-free glassware and dishes.
- No mineral deposits on bathtubs and shower stalls.
- Brighter, softer laundry.
- Less reliance on water softening products.
- Dramatic reduction in soap usage.
- Manageable hair because shampoo works better.
- Pipes remain free of calcium scale build-up.
- Extended life of appliances and reduced energy costs because scale is virtually eliminated.
- Spot-free car wash (if softened water is used).



## Metered valve for greater efficiency

Our control valves are metered for greater efficiency and reduced salt usage, because regeneration of the softener resin is based on water consumption. Push button settings provide ease-of-use.

Model selection is typically based on water hardness, water usage, water source and other factors.

## Two equipment types

Watts water softeners are available in two configurations, including:

### Single tank

Single tank systems include one tank for the softening resin, a brine tank for salt, used to regenerate the softening resin and our metered control valve.

### Dual tank

Dual tank systems come with an additional tank with activated carbon for pre-treatment, which removes chlorine, tastes and odors in municipal water applications and extend the life of the softening resin.

## Models

Model Number	Capacity (Grains)	Media Cu.Ft.	Valve Type	Connection	Mineral Tank Size	Brine Tank Size	Safety Float Valve
M3011-CK10SM	30,000	1.0	Metered	1"	9"x48"	18"x36"	Yes
M3013-CK10SM	45,000	1.5	Metered	1"	10"x54"	18"x36"	Yes
M3015-CK10SM	60,000	2.0	Metered	1"	12"x52"	18"x36"	Yes

## Dual tank models

Model Number	Capacity (Grains)	Media Cu.Ft.	Valve Type	Connection	Mineral Tank (Top)	Mineral Tank (Bottom)	Brine Tank Size	Safety Float Valve
M3011CK10SM-ST1	30,000	1.0	Metered	1"	10"x24"	10"x35"	18"x36"	Yes

# Water Softeners with Clack WS125 Valves



## Superior flow rates at a low cost

Water Filters with Clack WS125 control valves provide extremely high service flow rates at the right price. Check out the specifications, features, benefits and options described below.

## Specifications

<b>Valve</b>	Clack WS125 valve
<b>Electrical</b>	120 Volt 60 Hz standard
<b>Valve body</b>	Glass reinforced Noryl®
<b>Distributor</b>	1.32" O.D.
<b>Types</b>	Meter and time clock initiated
<b>Connection</b>	1.25" MNPT Noryl® Standard
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Brine Tank</b>	Fully assembled polyethylene
<b>Media</b>	High capacity cation resin

## Features & benefits

- Economical pricing and top quality components.
- Attached 24 volt transformer included.
- Up to 2.5 CF fully assembled, ready for installation.
- Models for capacities up to 180,000 grains.
- Advanced digital control with diagnostics.
- Decorative mineral tank jacket options available.
- Multiple brine tank options available
- Multiple ¾" to 1½" bypass and connection options.
- Safety brine valve with air check included.

## Meter initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 4 lb CF	App. GPG Capacity @ 15 lb CF	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Estimated Peak GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-S1209M	1	16,000	30,000	9x48	14x14	200	14	1.3-8	61	115
WST-S1210M	1.5	24,000	45,000	10x54	14x14	200	16	1.6-10	67	155
WST-S1212M	2	32,000	60,000	12x52	15x17	250	18	2.3-15	65	210
WST-S1213M	2.5	40,000	75,000	13x54	18x40	400	18	2.8-18	67	235
WST-S1214M	3	48,000	90,000	14x65	18x40G	350	20	3.2-20	77	290
WST-S1216M	4	64,000	120,000	16x65	24x40	650	20	4.2-20	77	385
WST-S1218M	5	80,000	150,000	18x65	24x50	850	20	5.3-20	80	450
WST-S1221M	6	96,000	180,000	21x62	24x50	850	22	7.2-22	76	545

## Time clock initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 4 lb CF	App. GPG Capacity @ 15 lb CF	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Estimated Peak GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-S1209T	1	16,000	30,000	9x48	14x14	200	14	1.3-8	61	115
WST-S1210T	1.5	24,000	45,000	10x54	14x14	200	16	1.6-10	67	155
WST-S1212T	2	32,000	60,000	12x52	15x17	250	18	2.3-15	65	210
WST-S1213T	2.5	40,000	75,000	13x54	18x40	400	18	2.8-18	67	235
WST-S1214T	3	48,000	90,000	14x65	18x40G	350	20	3.2-20	77	290
WST-S1216T	4	64,000	120,000	16x65	24x40	650	20	4.2-20	77	385
WST-S1218T	5	80,000	150,000	18x65	24x50	850	20	5.3-20	80	450
WST-S1221T	6	96,000	180,000	21x62	24x50	850	22	7.2-22	76	545

# Water softeners with CK10 Valves

## Superior flow rates at a low cost

Water softeners with CK10 control valves provide surprisingly high service flow rates at the right price. Check out the specifications, features, benefits and options described below.



Shown with optional  
Stainless Steel Jacket

## Specifications

<b>Valve</b>	CK10 valve
<b>Electrical</b>	120 Volt 60 Hz standard
<b>Valve body</b>	Glass reinforced Noryl®
<b>Distributor</b>	1.05" O.D.
<b>Types</b>	Meter and time clock initiated
<b>Connection</b>	1" MNPT Noryl® Standard
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Brine Tank</b>	Fully assembled polyethylene
<b>Media</b>	High capacity cation resin

## Features & benefits

- Economical pricing and top quality components.
- Attached 24 volt transformer included
- Models for capacities up to 180,000 grains.
- Advanced digital control with diagnostics.
- Decorative mineral tank jacket options available.
- Multiple ¾" to 1½" bypass and connection options.
- Safety brine valve with air check included.

## Meter initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 4 lb CF	App. GPG Capacity @ 15 lb CF	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Estimated Peak GPM	Rec. GPM Range	Height Inch	Ship Wt. (lbs)
WST-S1009M	1	16,000	30,000	9x48	14x14	200	12	1.3-8	61	115
WST-S1010M	1.5	24,000	45,000	10x54	14x14	200	14	1.6-10	67	155
WST-S1012M	2	32,000	60,000	12x52	15x17	250	16	2.3-15	65	210
WST-S1013M	2.5	40,000	75,000	13x54	18x40	400	16	2.8-16	67	235
WST-S1014M	3	48,000	90,000	14x65	18x40G	350	18	3.2-18	77	290
WST-S1016M	4	64,000	120,000	16x65	24x40	650	18	4.2-18	77	385
WST-S1018M	5	80,000	150,000	18x65	24x50	850	18	5.3-18	80	450
WST-S1021M	6	96,000	180,000	21x62	24x50	850	18	7.2-18	76	545

## Time clock initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 4 lb CF	App. GPG Capacity @ 15 lb CF	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Estimated Peak GPM	Rec. GPM Range	Height Inch	Ship Wt. (lbs)
WST-S1009T	1	16,000	30,000	9x48	14x14	200	12	1.3-8	61	115
WST-S1010T	1.5	24,000	45,000	10x54	14x14	200	14	1.6-10	67	155
WST-S1012T	2	32,000	60,000	12x52	15x17	250	16	2.3-15	65	210
WST-S1013T	2.5	40,000	75,000	13x54	18x40	400	16	2.8-16	67	235
WST-S1014T	3	48,000	90,000	14x65	18x40G	350	18	3.2-18	77	290
WST-S1016T	4	64,000	120,000	16x65	24x40	650	18	4.2-18	77	385
WST-S1018T	5	80,000	150,000	18x65	24x50	850	18	5.3-18	80	450
WST-S1021T	6	96,000	180,000	21x62	24x50	850	18	7.2-18	76	545

# Water Softeners with Fleck 5600 Valves



## Our most economical models!

Water softeners with Fleck 5600 control valves are our best selling softeners because they are built right and priced right. Check out the specifications, Features & benefits described below.

## Specifications

Valve	Fleck 5600 top mount valve
Valve body	Glass reinforced Noryl®
Pipe size	3/4"
Types	Time clock and metered
By-pass	Included (stainless steel)
Mineral tanks	Corrosion resistant FRP. NSF.
Brine tanks	Polyethylene; fully assembled
Media	Cation resin; high capacity

## Features & benefits

- Economical pricing!
- Top quality components.
- Fully assembled, ready for installation.
- Models for capacities to 60,000 grains.
- User friendly Fleck 5600 control valves.
- Brine tanks with grid plate for maximum saturation of brine.
- Stainless steel by-pass valve is included.
- Safety brine valve with air check.

## Time clock models (FT5600 valve)

Part Number	Capacity (Max.)	Pipe Size (In.)	Mineral Tank			Brine Tank		Flow Rate & Pressure Drop			Shipping Weight (Lbs.)
			Size	Resin Cubic Ft.	Gravel #20 (Lbs.)	Size	Salt Fill (Lbs.)	Service Flow (GPM)	Drop (PSI)	Back Wash (GPM)	
M2010	30,000	3/4"	9x48	1	10	18x40	400	15-20	9-11	2.2	110
M2012	45,000	3/4"	10x54	1.5	15	18x40	400	18-23	10-13	2.7	130
M2014	60,000	3/4"	12x52	2	30	18x40	400	19-25	10-13	4.0	190

## Metered models (FM5600 valve)

Part Number	Capacity (Max.)	Pipe Size (In.)	Mineral Tank			Brine Tank		Flow Rate & Pressure Drop			Shipping Weight (Lbs.)
			Size	Resin Cubic Ft.	Gravel #20 (Lbs.)	Size	Salt Fill (Lbs.)	Service Flow (GPM)	Drop (PSI)	Back Wash (GPM)	
M3011	30,000	3/4"	9x48	1	10	18x40	400	15-20	9-11	2.2	110
M1286	30,000	3/4"	10x35	1	10	Cabinet	225	15-20	10-13	2.7	110
M3013	45,000	3/4"	10x54	1.5	15	18x40	400	18-23	10-13	2.7	130
M3015	60,000	3/4"	12x52	2	30	18x40	400	19-25	10-13	4.0	190

# Water Softeners with Fleck 5600 Valves

## Our most popular models

Water softeners with Fleck 5600 control valves are our best selling models because they are built and priced right. Check out the specifications, features, benefits and options described below.



## Specifications

<b>Valve</b>	Fleck 5600 "L" style valve
<b>Electrical</b>	120 Volt 60 Hz standard
<b>Valve body</b>	Glass reinforced Noryl®
<b>Distributor</b>	1.05" O.D.
<b>Types</b>	Meter and time clock initiated
<b>Connection</b>	¾" MNPT Noryl® Standard
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Brine Tank</b>	Fully assembled polyethylene
<b>Media</b>	High capacity cation resin

## Features & benefits

- Economical pricing.
- Top quality components.
- Fully assembled, ready for installation.
- Models for capacities up to 60,000 grains.
- User friendly Fleck 5600 control valve.
- Decorative mineral tank jacket options available.
- Multiple brine tank options available.
- Multiple ¾" to 1¼" bypass and connection options.
- Safety brine valve with air check included.

## Meter initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 4 lb CF	App. GPG Capacity @ 15 lb CF	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Estimated Peak GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-S5608M	0.75	12,000	22,500	8x44	14x14	200	8	1-6	57	80
WST-S5609M	1	16,000	30,000	9x48	14x14	200	10	1.3-8	61	115
WST-S5610M	1.5	24,000	45,000	10x54	14x14	200	10	1.6-10	67	155
WST-S5612M	2	32,000	60,000	12x52	15x17	250	12	2.3-12	65	210

## Time clock initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 4 lb CF	App. GPG Capacity @ 15 lb CF	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Estimated Peak GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-S5608T	0.75	12,000	22,500	8x44	14x14	200	8	1-6	57	80
WST-S5609T	1	16,000	30,000	9x48	14x14	200	10	1.3-8	61	115
WST-S5610T	1.5	24,000	45,000	10x54	14x14	200	10	1.6-10	67	155
WST-S5612T	2	32,000	60,000	12x52	15x17	250	12	2.3-12	65	210

# NSF Certified Softeners with Fleck 7000 Valves



Shown with optional stainless steel tank

## NSF/ANSI Standard 44 Certified

These high performance systems are certified by NSF International to NSF/ANSI Standard 44. Note the high flow and superb efficiency characteristics. Utilize the prestigious third party certification to enhance your sales and marketing edge..

## Specifications

<b>Valve</b>	Fleck 7000SE valve
<b>Electrical</b>	120 Volt 60 Hz standard
<b>Valve body</b>	Fiber Reinforced Polymer
<b>Distributor</b>	32mm (1.25") O.D
<b>Types</b>	Meter initiated
<b>Connection</b>	1.25" MNPT Noryl® Standard
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Brine Tank</b>	Fully assembled polyethylene
<b>Media</b>	High capacity Purolite cation resin

## Features & benefits

- Competitive pricing and top quality components.
- Attached 24 volt transformer included.
- Up to 2.33 CF fully assembled, ready for installation.
- Models for capacities up to 53,866 grains.
- SE “Simple Electronics” Fleck 7000 control valve.
- Decorative mineral tank jacket options available.
- 1.25” MNPT Bypass included.
- Safety brine valve with air check included.

## Meter Initiated Models

Part Number	Resin Cu. Ft.	Grains Capacity @ lbs. Salt	Efficiency Grains/ lbs. Salt	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Rated Service GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-S7009MNSF	1	17,280 @ 4.0	4320 @ 4.0	9x48	18x40	400	11.5	1.3-11.5	61	105
WST-S7010MANSF	1.25	22,444 @ 5.0	4489 @ 5.0	10x54	18x40	400	12	1.6-12.0	67	130
WST-S7010MNSF	1.5	26,933 @ 6.0	4489 @ 6.0	10x54	18x40	400	15.6	1.6-15.6	67	140
WST-S7012MNSF	2	35,911 @ 8.0	4489 @ 8.0	12x48	18x40	400	19.2	2.3-19.2	62	180
WST-S7014MANSF	2.33	40,507 @ 9.33	4340 @ 9.33	14x47	18x40	400	23.1	3.2-23.1	62	230
WST-S7014MBNSF	3	53,866 @ 12.0	4489 @ 12.0	14x65	18x40	400	19.9	4.2-19.9	77	260

# Water Softeners with Fleck 5600SE Valves

## Digital 5600SE Models

Water softeners with Fleck 5600SE control valves are an upgraded digital version of this popular controller. Check out the specifications, features, benefits and options described below.



## Specifications

<b>Valve</b>	Fleck 5600SE digital valve
<b>Electrical</b>	120 Volt 60 Hz standard
<b>Valve body</b>	Glass reinforced Noryl®
<b>Distributor</b>	1.05" O.D.
<b>Types</b>	Meter and time clock initiated
<b>Connection</b>	¾" MNPT Noryl® Standard
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Brine Tank</b>	Fully assembled polyethylene
<b>Media</b>	High capacity cation resin

## Features & benefits

- Economical pricing.
- Top quality components.
- Fully assembled, ready for installation.
- Models for capacities up to 60,000 grains.
- User friendly Fleck 5600SE digital control valve.
- Decorative mineral tank jacket options available.
- Multiple brine tank options available.
- Multiple ¾" to 1¼" bypass and connection options.
- Safety brine valve with air check included.

## Meter initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 4 lb CF	App. GPG Capacity @ 15 lb CF	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Estimated Peak GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-401110	0.75	12,000	22,500	8x44	14x14	200	8	1-6	57	80
WST-401120	1	16,000	30,000	9x48	14x14	200	10	1.3-8	61	115
WST-401130	1.5	24,000	45,000	10x54	14x14	200	10	1.6-10	67	155
WST-401150	2	32,000	60,000	12x52	15x17	250	12	2.3-12	65	210

## Time clock initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 4 lb CF	App. GPG Capacity @ 15 lb CF	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Estimated Peak GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-401210	0.75	12,000	22,500	8x44	14x14	200	8	1-6	57	80
WST-401220	1	16,000	30,000	9x48	14x14	200	10	1.3-8	61	115
WST-401230	1.5	24,000	45,000	10x54	14x14	200	10	1.6-10	67	155
WST-401250	2	32,000	60,000	12x52	15x17	250	12	2.3-12	65	210

# WQA Gold Seal Certified TGI Softeners

## WQA S-100 Gold Seal Certified

These systems are certified by the Water Quality Association to WQA S-100 efficiency rated standards and carry the prestigious WQA Gold Seal. These high performance systems provide the advantage of third party certification and that extra sales edge.



### Specifications

<b>Valve</b>	Fleck 5600 "L" style valve
<b>Electrical</b>	120 Volt 60 Hz (24 Volt)
<b>Valve body</b>	Glass reinforced Noryl®
<b>Distributor</b>	1.05" O.D.
<b>Types</b>	Meter initiated
<b>Connection</b>	¾" or 1" FNPT Stainless Steel
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Brine Tank</b>	Fully assembled polyethylene
<b>Media</b>	High capacity cation resin

### Features & benefits

- Economical pricing.
- Top quality components.
- Fully assembled, ready for installation.
- Efficiency rated by the Water Quality Association (WQA) at 4420 grains removal per pound of salt based on a 4.5 pound salt setting.
- User friendly Fleck 5600 control valve.
- 120/60 with separate 24 volt transformer included.
- 430 stainless steel mineral tank jacket standard
- Safety brine valve with air check included.



WQA Gold Seal Certified

### Meter initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 3 lb CF	Tank Jacket Type*	Stainless Steel Bypass	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Flow Rate GPM at 15 PSI Drop	Flow Rate GPM at 20 PSI Drop	App. Height Inch	Ship Wt. (lbs.)
WST-S5610MWQA	1.5	19,890	SSP	¾" FNPT	10x54	18x40	400	9.2	11	67	165
WST-S5610MWQAW	1.5	19,890	SSE	¾" FNPT	10x54	18x40	400	9.2	11	67	165
WST-S5610MWQA1	1.5	19,890	SSP	1" FNPT	10x54	18x40	400	9.2	11	67	165
WST-S5610MWQA1W	1.5	19,890	SSE	1" FNPT	10x54	18x40	400	9.2	11	67	165

\*\*SSE" is a 430 one piece stainless steel mineral tank jacket.

\*\*SSP" is a 430 stainless steel mineral tank jacket with a black plastic cap.

\*Systems configured to WQA Gold Seal specifications. Options not available.

# Water Softeners with Fleck 7000 Valves



## Superior flow rates at a low cost

Water softeners with Fleck 7000 control valves provide surprisingly high service flow rates at the right price. Check out the specifications, features, benefits and options described below.

## Specifications

<b>Valve</b>	Fleck 7000SE valve
<b>Electrical</b>	120 Volt 60 Hz standard
<b>Valve body</b>	Fiber Reinforced Polymer
<b>Distributor</b>	32mm (1.25") O.D.
<b>Types</b>	Meter and time clock initiated
<b>Connection</b>	1" MNPT Noryl® Standard
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Brine Tank</b>	Fully assembled polyethylene
<b>Media</b>	High capacity cation resin

## Features & benefits

- Economical pricing and top quality components.
- Attached 24 volt transformer included.
- Up to 2.5 CF fully assembled, ready for installation.
- Models for capacities up to 180,000 grains.
- SE "Simple Electronics" Fleck 7000 control valve.
- Decorative mineral tank jacket options available.
- Multiple brine tank options available.
- Multiple 3/4" to 1 1/2" bypass and connection options.
- Safety brine valve with air check included.

## Meter initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 4 lb CF	App. GPG Capacity @ 15 lb CF	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Estimated Peak GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-S7009M	1	16,000	30,000	9x48	14x14	200	10	1.3-8	61	115
WST-S7010M	1.5	24,000	45,000	10x54	14x14	200	10	1.6-10	67	155
WST-S7012M	2	32,000	60,000	12x52	15x17	250	12	2.3-15	65	210
WST-S7013M	2.5	40,000	75,000	13x54	18x40	400	18	2.8-18	67	235
WST-S7014M	3	48,000	90,000	14x65	18x40G	350	20	3.2-20	77	290
WST-S7016M	4	64,000	120,000	16x65	24x40	650	20	4.2-20	77	385
WST-S7018M	5	80,000	150,000	18x65	24x50	850	24	5.3-20	80	450
WST-S7021M	6	96,000	180,000	21x62	24x50	850	24	7.2-22	76	545

## Time clock initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 4 lb CF	App. GPG Capacity @ 15 lb CF	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Estimated Peak GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-S7009T	1	16,000	30,000	9x48	14x14	200	10	1.3-8	61	115
WST-S7010T	1.5	24,000	45,000	10x54	14x14	200	10	1.6-10	67	155
WST-S7012T	2	32,000	60,000	12x52	15x17	250	12	2.3-15	65	210
WST-S7013T	2.5	40,000	75,000	13x54	18x40	400	18	2.8-18	67	235
WST-S7014T	3	48,000	90,000	14x65	18x40G	350	20	3.2-20	77	290
WST-S7016T	4	64,000	120,000	16x65	24x40	650	20	4.2-20	77	385
WST-S7018T	5	80,000	150,000	18x65	24x50	850	24	5.3-20	80	450
WST-S7021T	6	96,000	180,000	21x62	24x50	850	24	7.2-22	76	545

# LCTA-75 & LCTA-100 Twin Alternating Tank Softeners



**Ideal softeners when soft water is required 24 / 7, without interruption.**

Suitable for light commercial applications ranging from 20,000 to 120,000 grains of hardness removal capacity, at flow rates to 24 GPM.

## Specifications

Valve	Fleck 9000 SE
Valve body	Brass
Pipe sizes	3/4" and 1"
Types	Metered
By-pass	Additional (LCTA-75 included)
Mineral tanks	Corrosion resistant FRP. NSF.
Brine tanks	Polyethylene; fully assembled
Media	Cation resin; high capacity

## Features & benefits

- Economical pricing!
- Top quality components
- Models for capacities to 120,000 grains
- Fleck 9000 SE control valves with "SE" electronics
- Brine tanks with grid plate for maximum saturation of brine
- Stainless steel by-pass valve is for LCTA-75 only
- Safety brine valve with air check.

## LCTA-75 twin tank softeners with FM9000SE metered control valves

Part Number	Capacity (Max.)	Pipe Size (In.)	Mineral Tank			Brine Tank		Flow Rate & Pressure Drop			Shipping Weight (Lbs.)
			Size	Resin Cubic Ft.	Gravel #20 (Lbs.)	Size	Salt Fill (Lbs.)	Service Flow (GPM)	Drop (PSI)	Back Wash (GPM)	
M2058-SE	30,000	3/4"	9x48	1	15	18x40	400	13-19	15-25	2	230
M2059-SE	45,000	3/4"	10x54	1.5	20	18x40	400	14-21	15-25	2.4	290
M2060-SE	60,000	3/4"	12x52	2	30	18x40	400	15-21	15-25	3.5	420
M2063-SE	75,000	3/4"	13x54	2.5	45	18x40	400	15-21	15-25	4	460
M2066-SE	90,000	3/4"	14x65	3	60	18x40	400	17-22	15-25	5	500
M2069-SE	120,000	3/4"	16x65	4	80	18x40	400	17-24	15-25	7	650

## LCTA-100 twin tank softeners with metered FM9000SE control valves

Part Number	Capacity (Max.)	Pipe Size (In.)	Mineral Tank			Brine Tank		Flow Rate & Pressure Drop			Shipping Weight (Lbs.)
			Size	Resin Cubic Ft.	Gravel #20 (Lbs.)	Size	Salt Fill (Lbs.)	Service Flow (GPM)	Drop (PSI)	Back Wash (GPM)	
M2058B-SE	30,000	1"	9x48	1	15	18x40	400	13-19	15-25	2	230
M2059B-SE	45,000	1"	10x54	1.5	20	18x40	400	14-21	15-25	2.4	290
M2060B-SE	60,000	1"	12x52	2	30	18x40	400	15-21	15-25	3.5	420
M2063B-SE	75,000	1"	13x54	2.5	45	18x40	400	15-21	15-25	4	460
M2066B-SE	90,000	1"	14x65	3	60	18x40	400	17-22	15-25	5	500
M2069B-SE	120,000	1"	16x65	4	80	18x40	400	17-24	15-25	7	650

# Water Softeners with Fleck 9000 Valves

## Our most efficient models

Water softeners with Fleck 9000 control valves offer twin-alternating meter initiated operation, resulting in 24/7 soft water capability. Check out the features, specifications, benefits and options described below.



## Specifications

<b>Valve</b>	Fleck 9000 mechanical or digital valve
<b>Electrical</b>	120 Volt 60 Hz standard
<b>Valve body</b>	Brass
<b>Distributor</b>	1.05" O.D.
<b>Types</b>	¾" meter immediate initiated
<b>Connection</b>	¾" MNPT Noryl® Standard
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Brine Tank</b>	Fully assembled polyethylene
<b>Media</b>	High capacity cation resin

## Features & benefits

- High efficiency, no reserve capacity required.
- Top quality components.
- Up to 5 CF fully assembled, ready for installation.
- Capacities up to 120,000 grains per regeneration.
- Digital SE version includes attached 24V transformer.
- Decorative mineral tank jacket options available.
- Multiple brine tank options available.
- Multiple ¾" to 1¼" bypass and connection options.
- Safety brine valve with air check included.

## Meter initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 4 lb CF	App. GPG Capacity @ 15 lb CF	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Estimated Peak GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-A9008M	1.5	12,000	22,500	(2)8x44	14x14	200	10	1-6	56	150
WST-A9009M	2	16,000	30,000	(2)9x48	14x14	200	13	1.3-8	60	180
WST-A9010M	3	24,000	45,000	(2)10x54	14x14	200	14	1.6-10	66	250
WST-A9012M	4	32,000	60,000	(2)12x52	15x17	250	15	2.3-15	64	330
WST-A9013M	5	40,000	75,000	(2)13x54	18x40	400	15	2.8-15	66	375
WST-A9014M	6	48,000	90,000	(2)14x65	18x40G	350	15	3.2-15	76	470
WST-A9016M	8	64,000	120,000	(2)16x65	24x40	600	15	4.2-15	76	625

## SE Meter initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 4 lb CF	App. GPG Capacity @ 15 lb CF	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Estimated Peak GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-404205	1.5	12,000	22,500	(2)8x44	14x14	200	10	1-6	56	150
WST-404220	2	16,000	30,000	(2)9x48	14x14	200	13	1.3-8	60	180
WST-404235	3	24,000	45,000	(2)10x54	14x14	200	14	1.6-10	66	250
WST-404250	4	32,000	60,000	(2)12x52	15x17	250	15	2.3-15	64	330
WST-404265	5	40,000	75,000	(2)13x54	18x40	400	15	2.8-15	66	375
WST-404280	6	48,000	90,000	(2)14x65	18x40G	350	15	3.2-15	76	470
WST-404295	8	64,000	120,000	(2)16x65	24x40	600	15	4.2-15	76	625

# LCTA-150 Twin Alternating Tank Softeners

**Ideal softeners when soft water is required 24 / 7, without interruption.**

Suitable for commercial applications ranging from 60,000 to 300,000 grains of hardness removal capacity, at flow rates to 49 GPM.



## Specifications

Valve	Fleck 9500 SE
Valve body	Brass
Pipe sizes	1-1/2"
Types	Metered
By-pass	None
Mineral tanks	Corrosion resistant FRP. NSF.
Brine tanks	Polyethylene; fully assembled
Media	Cation resin; high capacity

## Features & benefits

- Economical pricing!
- Top quality components
- Models for capacities to 300,000 grains
- Fleck 9500 SE control valves with "SE" electronics
- Brine tanks with grid plate for maximum saturation of brine (some models)
- Safety brine valve with air check.

## LCTA-150 twin tank softeners with metered FM9500SE control valves

Part Number	Capacity (Max.)	Pipe Size (In.)	Mineral Tank			Brine Tank		Flow Rate & Pressure Drop			Shipping Weight (Lbs.)
			Size	Resin Cubic Ft.	Gravel #20 (Lbs.)	Size	Salt Fill (Lbs.)	Service Flow (GPM)	Drop (PSI)	Back Wash (GPM)	
M2218SE	60,000	1-1/2"	12x52	2	30	24x41	600	13-19	10-20	5	370
M2220SE	90,000	1-1/2"	14x65	3	60	24x41	600	14-21	15-30	7	550
M2222SE	120,000	1-1/2"	16x65	4	80	24x41	600	15-21	20-40	9	720
M2224SE	150,000	1-1/2"	18x65	5	100	24x41	600	15-21	25-48	12	900
M2228SE	210,000	1-1/2"	21x62	7	100	24x50	800	17-22	34-49	15	1215
M2235SE	300,000	1-1/2"	24x72	10	200	30x50	1200	17-24	37-49	15	1750

# Twin Water Softeners with Fleck 9100 Valves

## Our most efficient models

Water softeners with Fleck 9100 control valves offer twin-alternating meter initiated operation, resulting in 24/7 soft water capability. Check out the features, specifications, benefits and options described below.



## Specifications

<b>Valve</b>	Fleck 9100 mechanical or digital valve
<b>Electrical</b>	120 Volt 60 Hz standard
<b>Valve body</b>	Xyron
<b>Distributor</b>	1.05" O.D.
<b>Types</b>	¾" meter immediate initiated
<b>Connection</b>	¾" MNPT Noryl® Standard
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Brine Tank</b>	Fully assembled polyethylene
<b>Media</b>	High capacity cation resin

## Features & benefits

- High efficiency, no reserve capacity required.
- Top quality components.
- Up to 5 CF fully assembled, ready for installation.
- Capacities up to 120,000 grains per regeneration.
- Digital SE version includes attached 24V transformer.
- Decorative mineral tank jacket options available.
- Multiple brine tank options available.
- Multiple ¾" to 1¼" bypass and connection options.
- Safety brine valve with air check included.

## Meter initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 4 lb CF	App. GPG Capacity @ 15 lb CF	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Estimated Peak GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-A9108M	1.5	12,000	22,500	(2)8x44	14x14	200	10	1-6	56	150
WST-A9109M	2	16,000	30,000	(2)9x48	14x14	200	13	1.3-8	60	180
WST-A9110M	3	24,000	45,000	(2)10x54	14x14	200	14	1.6-10	66	250
WST-A9112M	4	32,000	60,000	(2)12x52	15x17	250	15	2.3-15	64	330
WST-A9113M	5	40,000	75,000	(2)13x54	18x40	400	15	2.8-15	66	375
WST-A9114M	6	48,000	90,000	(2)14x65	18x40G	350	15	3.2-15	76	470
WST-A9116M	8	64,000	120,000	(2)16x65	24x40	600	15	4.2-15	76	625

## SE meter initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 4 lb CF	App. GPG Capacity @ 15 lb CF	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Estimated Peak GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-404405	1.5	12,000	22,500	(2)8x44	14x14	200	10	1-6	56	150
WST-404420	2	16,000	30,000	(2)9x48	14x14	200	13	1.3-8	60	180
WST-404435	3	24,000	45,000	(2)10x54	14x14	200	14	1.6-10	66	250
WST-404450	4	32,000	60,000	(2)12x52	15x17	250	15	2.3-15	64	330
WST-404465	5	40,000	75,000	(2)13x54	18x40	400	15	2.8-15	66	375
WST-404480	6	48,000	90,000	(2)14x65	18x40G	350	15	3.2-15	76	470
WST-404495	8	64,000	120,000	(2)16x65	24x40	600	15	4.2-15	76	625

# Water Softeners with GE Performa 740/760

## Models with the GE Name

Water softeners with GE Performa control valves feature advanced electronics and the recognition value available only from GE. Check out the specifications, features, benefits and options described below.



## Specifications

<b>Valve</b>	GE Performa 740/760 valves
<b>Electrical</b>	120 Volt 60 Hz standard
<b>Valve body</b>	Glass reinforced Noryl®
<b>Distributor</b>	1.05" O.D.
<b>Types</b>	Meter and time clock initiated
<b>Connection</b>	1" Copper Sweat Standard
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Brine Tank</b>	Fully assembled polyethylene
<b>Media</b>	High capacity cation resin

## Features & benefits

- Competitive pricing and top quality components.
- Integrated 12 volt transformer included.
- Up to 2.5 CF fully assembled, ready for installation.
- Models for capacities up to 90,000 grains.
- Advanced, enhanced GE Performa 740/760 control.
- Decorative mineral tank jacket options available.
- Multiple brine tank options available.
- Multiple ¾" to 1¼" bypass and connection options.
- Safety brine valve with air check included.

## Meter initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 4 lb CF	App. GPG Capacity @ 15 lb CF	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Estimated Peak GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-421405	1	16,000	30,000	9x48	14x14	200	12	1.3-8	59	115
WST-421410	1.5	24,000	45,000	10x54	14x14	200	14	1.6-10	65	155
WST-421420	2	32,000	60,000	12x52	15x17	250	16	2.3-15	63	210
WST-421425	2.5	40,000	75,000	13x54	18x40	400	18	2.8-16	65	235
WST-421430	3	48,000	90,000	14x65	18x40G	350	18	3.2-18	75	290

## Time clock initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 4 lb CF	App. GPG Capacity @ 15 lb CF	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Estimated Peak GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-421455	1	16,000	30,000	9x48	14x14	200	12	1.3-8	59	115
WST-421460	1.5	24,000	45,000	10x54	14x14	200	14	1.6-10	65	155
WST-421470	2	32,000	60,000	12x52	15x17	250	16	2.3-15	63	210
WST-421475	2.5	40,000	75,000	13x54	18x40	400	18	2.8-16	65	235
WST-421480	3	48,000	90,000	14x65	18x40G	350	18	3.2-18	75	290

# Water Softeners with GE Performa 742/762



## Models with the GE Name

Water softeners with GE Performa control valves feature advanced electronics and the recognition value available only from GE. Check out the specifications, features, benefits and options described below.

## Specifications

<b>Valve</b>	GE Performa 742/762 valves
<b>Electrical</b>	120 Volt 60 Hz standard
<b>Valve body</b>	Glass reinforced Noryl®
<b>Distributor</b>	1.05" O.D.
<b>Types</b>	Meter and time clock initiated
<b>Connection</b>	1" Copper Sweat Standard
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Brine Tank</b>	Fully assembled polyethylene
<b>Media</b>	High capacity cation resin

## Features & benefits

- Competitive pricing and top quality components.
- Integrated 12 volt transformer included.
- Up to 2.5 CF fully assembled, ready for installation.
- Models for capacities up to 90,000 grains.
- Advanced, enhanced GE Performa 742/762 control.
- Decorative mineral tank jacket options available.
- Multiple brine tank options available.
- Multiple ¾" to 1¼" bypass and connection options.
- Safety brine valve with air check included.

## Meter initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 4 lb CF	App. GPG Capacity @ 15 lb CF	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Estimated Peak GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-421505	1	16,000	30,000	9x48	14x14	200	12	1.3-8	59	115
WST-421510	1.5	24,000	45,000	10x54	14x14	200	14	1.6-10	65	155
WST-421520	2	32,000	60,000	12x52	15x17	250	16	2.3-15	63	210
WST-421525	2.5	40,000	75,000	13x54	18x40	400	18	2.8-16	65	235
WST-421530	3	48,000	90,000	14x65	18x40G	350	18	3.2-18	75	290

## Time clock initiated models

Part Number	Resin Cu. Ft.	App. GPG Capacity @ 4 lb CF	App. GPG Capacity @ 15 lb CF	Mineral Tank Size	Brine Tank Size	Dry Salt Lbs.	Estimated Peak GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-421555	1	16,000	30,000	9x48	14x14	200	12	1.3-8	59	115
WST-421560	1.5	24,000	45,000	10x54	14x14	200	14	1.6-10	65	155
WST-421570	2	32,000	60,000	12x52	15x17	250	16	2.3-15	63	210
WST-421575	2.5	40,000	75,000	13x54	18x40	400	18	2.8-16	65	235
WST-421580	3	48,000	90,000	14x65	18x40G	350	18	3.2-18	75	290

# Backwash Filters with CK10 Valves



## Whole house filters for chlorine, taste, odor and sediment reduction.

Our activated carbon filters are highly popular because they correct a wide range of water quality problems, by removing chlorine, tastes, odors and sediment.

### Benefits

- Great tasting water from every tap in your house!
- No bad tastes!
- No foul odors!
- Crystal clear water for drinking, bathing and cooking!
- User-friendly equipment.
- Low maintenance due to automatic operation.

## Models

Part Number	Valve	Mineral Tank Size	Media Cubic Ft.	Gravel (Lbs)	Service Flow (GPM)	Drop (PSI)	Back Wash (GPM)	Floor Space LxWxH
NC09-CK10F	Timeclock	9X48	1	10	4	< 15	4.2	16X10X55
NC10-CK10F	Timeclock	10X54	1.5	10	6	< 15	5.3	16X11X62
NC12-CK10F	Timeclock	12X52	2	20	8	< 15	7.5	17X13X60
NC14-CK10F	Timeclock	14X65	3	40	11	< 15	10	18X15X74
NC16-CK10F	Timeclock	16X65	4	50	14	< 15	11	20X17X74
NC21-CK10F	Timeclock	21X62	5	100	20	< 15	25	22X23X70

## Whole house filters for sediment reduction with high efficiency Micro-Z™ filter media.

Our filtration systems for sediment use our high performance Micro-Z filter media to provide increased loading capability and higher service flow rates. Micro-Z's unique Zeolite structure offers increased porosity to outperform conventional sand filters by reducing water consumption. The need to backwash is dramatically reduced!

### Features & benefits

- Uses Micro-Z™ for increased solids loading.
- Unique structure allows for higher flow rates.
- Reduces water consumption because the need to backwash is dramatically reduced.
- Reliable equipment, designed for long-term service.



## Models

Part Number	Valve	Mineral Tank Size	Media Cubic Ft.	Gravel (Lbs)	Service Flow (GPM)	Drop (PSI)	Back Wash (GPM)	Floor Space LxWxH
NM09-CK10F	Timeclock	9X48	1	10	5/9	< 15/25	5.3	16X10X55
NM10-CK10F	Timeclock	10X54	1.5	10	7/10	< 15/25	7.5	16X11X62
NM12-CK10F	Timeclock	12X52	2	20	9/15	< 15/25	11	17X13X60
NM14-CK10F	Timeclock	14X65	3	40	13/21	< 15/25	15	18X15X74
NM16-CK10F	Timeclock	16X65	4	50	17/28	< 15/25	25	20X17X74
NC21-CK10F	Timeclock	21X62	5	100	20	< 15	25	22X23X70

# Backwash Filters with CK10 Valves

## Whole house filters for Iron and Manganese reduction.

Iron is one of the most common elements found in nature, and most ground waters contain a measurable amount of iron. Iron stains bathtubs, toilets, sinks, driveways and it will even stain the side of your house in sufficient concentrations. We offer two media types to remove Iron in point-of-entry applications.

### Two media types

#### FILOX™

A non-chemical oxidizing media to reduce Iron.

#### Greensand-Plus™

An enhanced version of the traditional medium to remove Iron from water.

#### Filox™ system advantages

- Highest flow rate of any Iron removal media.
- No oxidizing chemicals needed for regeneration.
- High efficiency with 80% Manganese dioxide for enhanced performance and capacity.
- Effective, from 5.0 to 9.0 pH.
- System is easy to program, with 10 pre-programmed regeneration cycles to optimize water treatment.

#### Greensand-Plus™ system advantage

- Lower backwash requirements.
- Known saturation capacity.
- Higher temperatures and differential pressures than traditional Manganese Greensand.
- Greensand-Plus is also used for radium reduction.
- User friendly, low maintenance electronic time clock valve.



**Note:**

The use of chemicals and oxidizers, such as chlorine, potassium permanganate and oxygen may be required for both systems to provide the optimal treatment for Iron, Hydrogen Sulfide and Manganese.

## Filox™ models

Part No.	Valve	Mineral Tank Size	Media Cubic Ft.	Gravel (Lbs)	Service Flow (GPM)	Drop (PSI)	Back Wash (GPM)	Floor Space LxWxH
NF09-CK10F	Timeclock	9X48	1	10	6	< 15	5.3	16X10X55
NF10-CK10F	Timeclock	10X54	1.5	10	9	< 15	7.5	16X11X62
NF12-CK10F	Timeclock	12X52	2	20	12	< 15	10	17X13X60
NF14-CK10F	Timeclock	14X65	3	40	18	< 15	15	18X15X74
NF16-CK10F	Timeclock	16X65	4	50	24	< 15	20	20X17X74
NF21-CK10F	Timeclock	21X62	5	100	27	< 15	25	22X23X70

## Greensand Plus™ models

Part No.	Valve	Mineral Tank Size	Media Cubic Ft.	Gravel (Lbs)	Service Flow (GPM)	Drop (PSI)	Back Wash (GPM)	Floor Space LxWxH
NGP09-CK10F	Timeclock	9X48	1	10	3	< 15	5.3	16X21X55
NGP10-CK10F	Timeclock	10X54	1.5	10	4	< 15	7.5	16X22X62
NGP12-CK10F	Timeclock	12X52	2	20	5	< 15	10	17X24X60
NGP14-CK10F	Timeclock	14X65	3	40	6	< 15	12	18X33X74
NGP16-CK10F	Timeclock	16X65	4	50	7	< 15	20	20X35X74
NGP21-CK10F	Timeclock	21X62	5	100	12	< 15	25	22X41X70

# Backwashing Filters with CK10 Valves

## Superior flow rates at a low cost

Water Filters with CK10 control valves provide surprisingly high service flow rates at the right price. Check out the specifications, features, benefits and options described below.



## Specifications

<b>Valve</b>	CK10 valve
<b>Electrical</b>	120 Volt 60 Hz standard
<b>Valve body</b>	Glass reinforced Noryl®
<b>Distributor</b>	1.05" O.D.
<b>Types</b>	Time clock initiated
<b>Connection</b>	1" MNPT Noryl® Standard
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Media</b>	Micro-Z or Coconut Shell Carbon

## Features & benefits

- Economical pricing and top quality components.
- Attached 24 volt transformer included.
- Up to 2.5 CF fully assembled, ready for installation.
- Models for capacities up to 6 cubic feet.
- Advanced digital control with diagnostics.
- Decorative mineral tank jacket options available.
- Multiple ¾" to 1½" bypass and connection options.

## Time clock initiated models

Part Number	Media Cu. Ft.	Media Type	Mineral Tank size	Estimated Peak GPM	Rec. GPM Range	Height (Inch)	Ship Wt. (lbs)
WST-FGA1009T	1	GAC	9x48	12	1.3-3	61	80
WST-FGA1010T	1.5	GAC	10x54	14	1.6-4.5	67	105
WST-FGA1012T	2	GAC	12x52	16	2.3-6	65	145
WST-FGA1013T	2.5	GAC	13x54	16	2.8-7.5	67	160
WST-FGA1014T	3	GAC	14x65	18	3.2-9	77	200
WST-FGA1016T	4	GAC	16x65	18	4.2-12	77	265
WST-FGA1018T	5	GAC	18x65	18	5.3-15	80	310
WST-FGA1021T	6	GAC	21x62	18	7.2-18	76	365
WST-FMM1009T	1	Micro-Z	9x48	9	1.3-9	61	110
WST-FMM1010T	1.5	Micro-Z	10x54	10	1.6-10	67	140
WST-FMM1012T	2	Micro-Z	12x52	15	2.3-15	65	200
WST-FMM1013T	2.5	Micro-Z	13x54	16	2.8-16	67	230
WST-FMM1014T	3	Micro-Z	14x65	18	3.2-18	77	310
WST-FMM1016T	4	Micro-Z	16x65	18	4.2-18	77	425
WST-FMM1018T	5	Micro-Z	18x65	18	5.3-18	80	590

# Backwashing Filters with Clack WS125 Valves



## Superior flow rates at a low cost

Water Filters with Clack WS125 control valves provide extremely high service flow rates at the right price. Check out the specifications, features, benefits and options described below.

## Specifications

<b>Valve</b>	Clack WS125 valve
<b>Electrical</b>	120 Volt 60 Hz standard
<b>Valve body</b>	Glass reinforced Noryl®
<b>Distributor</b>	1.32" O.D.
<b>Types</b>	Time clock initiated
<b>Connection</b>	1.25" MNPT Noryl® Standard
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Media</b>	Micro-Z or Coconut Shell Carbon

## Features & benefits

- Economical pricing and top quality components.
- Attached 24 volt transformer included.
- Up to 2.5 CF fully assembled, ready for installation.
- Models for capacities up to 10 cubic feet.
- Advanced digital control with diagnostics.
- Decorative mineral tank jacket options available.
- Multiple ¾" to 1½" bypass and connection options.

## Meter initiated models

Part Number	Media Cu. Ft.	Media Type	Mineral Tank size	Estimated Peak GPM	Rec. GPM Range	Height (Inch)	Ship Wt. (lbs)
WST-FGA1209T	1	GAC	9x48	14	1.3-3	61	80
WST-FGA1210T	1.5	GAC	10x54	16	1.6-4.5	67	105
WST-FGA1212T	2	GAC	12x52	18	2.3-6	65	145
WST-FGA1213T	2.5	GAC	13x54	18	2.8-7.5	67	160
WST-FGA1214T	3	GAC	14x65	20	3.2-9	77	200
WST-FGA1216T	4	GAC	16x65	20	4.2-12	77	265
WST-FGA1218T	5	GAC	18x65	20	5.3-15	80	310
WST-FGA1221T	6	GAC	21x62	20	7.2-18	76	365
WST-FGA1224T	8	GAC	24x60	24	9.4-22	74	545
WST-FGA1224TC	10	GAC	24x72	24	9.4-22	85	625
WST-FMM1209T	1	Micro-Z	9x48	9	1.3-9	61	110
WST-FMM1210T	1.5	Micro-Z	10x54	10	1.6-10	67	140
WST-FMM1212T	2	Micro-Z	12x52	15	2.3-15	65	200
WST-FMM1213T	2.5	Micro-Z	13x54	16	2.8-16	67	230
WST-FMM1214T	3	Micro-Z	14x65	20	3.2-20	77	310
WST-FMM1216T	4	Micro-Z	16x65	20	4.2-20	77	425
WST-FMM1218T	5	Micro-Z	18x65	22	5.3-22	80	590
WST-FMM1221T	6	Micro-Z	21x62	22	7.2-22	76	685

# NX Series Backwashing Filters - No Media



## NX Series backwashing filters

Our popular backwashing filter systems are now available with out media. The NX series come complete with control valve, bypass, riser tube, and gravel.

- Add your “Special” media or blend that works best for your customers.
- Save on Shipping!
- Reduce your inventory.
- Complete backwashing system just add media!

## Models

Part No.	Valve	Mineral Tank Size	Media Cubic Ft.	Gravel (Lbs)	Service Flow (GPM)	Drop (PSI)	Back Wash (GPM)	Floor Space LxWxH
NX09-CK10F	Timeclock	9X48	1	10	-	-	5.3	16X10X55
NX10-CK10F	Timeclock	10x54	1.5	10	-	-	7.5	16X11X62
NX12-CK10F	Timeclock	12X52	2	20	-	-	10	17X13X60
NX14-CK10F	Timeclock	14X65	3	40	-	-	15	18X15X74
NX16-CK10F	Timeclock	16X65	4	50	-	-	20	20X17X74
NX21-CK10F	Timeclock	21X62	5	100	-	-	25	22X23X70

Note: Service flow rates and pressure drops will dependent upon media selected.

# Backwashing Filters with Fleck 5600 Valves



## Our most popular models

Water filters with Fleck 5600 control valves are a great value because they are built and priced right. Check out the specifications, features, benefits and options described below.

## Specifications

<b>Valves</b>	Fleck 5600 "L" style valve
<b>Electrical</b>	120 Volt 60 Hz standard
<b>Valve body</b>	Glass reinforced Noryl®
<b>Distributor</b>	1.05" O.D.
<b>Types</b>	Time clock initiated
<b>Connection</b>	¾" MNPT Noryl® standard
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Media</b>	Micro-Z or Coconut Shell Carbon

## Features & benefits

- Economical pricing.
- Top quality components.
- Fully assembled, ready for installation.
- Models for capacities up to 1.5 cubic feet.
- User friendly Fleck 5600 control valve
- Decorative mineral tank jacket options available.
- Multiple media options available.
- Shown with optional
- Multiple ¾" to 1¼" bypass and connection options.

## Time clock initiated models

Part Number	Media Cu. Ft.	Media Type	Mineral Tank size	Estimated Peak GPM	Rec. GPM Range	Height (Inch)	Ship Wt. (lbs)
WST-FGA5608T	0.75	GAC	8x44	8	1-2	57	60
WST-FGA5609T	1	GAC	9x48	10	1.3-3	61	80
WST-FGA5610T	1.5	GAC	10x54	10	1.6-4.5	67	105
WST-FMM5608T	0.75	Micro-Z	8x44	7	1-7	57	85
WST-FMM5609T	1	Micro-Z	9x48	9	1.3-9	61	110

# Backwashing Filters with Fleck 7000 Valves

## Superior flow rates at a low cost

Water filters with Fleck 7000 control valves provide surprisingly high service flow rates at the right price. Check out the specifications, features, benefits and options described below.

## Specifications



<b>Valve</b>	Fleck 7000SE valve
<b>Electrical</b>	120 Volt 60 Hz standard
<b>Valve body</b>	Fiber Reinforced Polymer
<b>Distributor</b>	32mm (1.25") O.D.
<b>Types</b>	Time clock initiated
<b>Connection</b>	1" MNPT Noryl® Standard
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Media</b>	Micro-Z or Coconut Shell Carbon

## Features & benefits

- Economical pricing and top quality components.
- Attached 24 volt transformer included.
- Up to 2.5 CF fully assembled, ready for installation.
- Models for capacities up to 10 cubic feet.
- SE "Simple Electronics" Fleck 7000 control valve.
- Decorative mineral tank jacket options available.
- Multiple 3/4" to 1 1/2" bypass and connection options.

## Time clock initiated models

Part Number	Media Cu. Ft.	Media Type	Mineral Tank size	Estimated Peak GPM	Rec. GPM Range	Height (Inch)	Ship Wt. (lbs)
WST-FGA7009T	1	GAC	9x48	14	1.3-3	61	80
WST-FGA7010T	1.5	GAC	10x54	16	1.6-4.5	67	105
WST-FGA7012T	2	GAC	12x52	18	2.3-6	65	145
WST-FGA7013T	2.5	GAC	13x54	18	2.8-7.5	67	160
WST-FGA7014T	3	GAC	14x65	20	3.2-9	77	200
WST-FGA7016T	4	GAC	16x65	20	4.2-12	77	265
WST-FGA7018T	5	GAC	18x65	20	5.3-15	80	310
WST-FGA7021T	6	GAC	21x62	20	7.2-18	76	365
WST-FGA7024T	8	GAC	24x60	22	9.4-22	74	545
WST-FGA7024TC	10	GAC	24x72	22	9.4-22	85	625
WST-FMM7009T	1	Micro-Z	9x48	9	1.3-9	61	110
WST-FMM7010T	1.5	Micro-Z	10x54	10	1.6-10	67	140
WST-FMM7012T	2	Micro-Z	12x52	15	2.3-15	65	200
WST-FMM7013T	2.5	Micro-Z	13x54	16	2.8-16	67	230
WST-FMM7014T	3	Micro-Z	14x65	20	3.2-20	77	310
WST-FMM7016T	4	Micro-Z	16x65	20	4.2-20	77	425
WST-FMM7018T	5	Micro-Z	18x65	20	5.3-20	80	590
WST-FMM7021T	6	Micro-Z	21x62	20	7.2-20	76	685

# Backwashing Filters with GE Performa 440i



Shown with optional stainless steel jacket

## Models with the GE Name

Water filter with GE Performa control valves feature advanced electronics and the recognition value available only from GE. Check out the specifications, features, benefits and options described below.

## Specifications

<b>Valve</b>	GE Performa 440i valve
<b>Electrical</b>	120 Volt 60 Hz standard
<b>Valve body</b>	Glass reinforced Noryl®
<b>Distributor</b>	1.05" O.D.
<b>Types</b>	Time clock initiated
<b>Connection</b>	1" Copper Sweat Standard
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Media</b>	Micro-Z or Coconut Shell Carbon

## Features & benefits

- Competitive pricing and top quality components.
- Integrated 12 volt transformer included.
- Up to 2.5 CF fully assembled, ready for installation.
- Models for capacities up to 4 cubic feet.
- Advanced GE Performa 440i control valve.
- Decorative mineral tank jacket options available.
- Multiple ¾" to 1¼" bypass and connection options

## Time clock initiated 440i models

Part Number	Media Cu. Ft.	Media Type	Mineral Tank size	Estimated Peak GPM	Rec. GPM Range	Height (Inch)	Ship Wt. (lbs)
WST-FGAPR09T	1	GAC	9x48	12	1.3-3	59	80
WST-FGAPR10T	1.5	GAC	10x54	14	1.6-4.5	65	105
WST-FGAPR12T	2	GAC	12x52	16	2.3-6	63	145
WST-FGAPR13T	2.5	GAC	13x54	16	2.8-7.5	65	160
WST-FGAPR14T	3	GAC	14x65	18	3.2-9	75	200
WST-FGAPR16T	4	GAC	16x65	18	4.2-12	75	265
WST-FMMPR09T	1	Micro-Z	9x48	9	1.3-9	59	110
WST-FMMPR10T	1.5	Micro-Z	10x54	10	1.6-10	65	140
WST-FMMPR12T	2	Micro-Z	12x52	15	2.3-15	63	200
WST-FMMPR13T	2.5	Micro-Z	13x54	16	2.8-16	65	230
WST-FMMPR14T	3	Micro-Z	14x65	18	3.2-18	75	310

# Backwashing Filters with GE Performa 740

## Models with the GE Name

Water filters with GE Performa control valves feature advanced electronics and the recognition value available only from GE. Check out the specifications, features, benefits and options described below.



## Specifications

<b>Valve</b>	GE Performa 740 valve
<b>Electrical</b>	120 Volt 60 Hz standard
<b>Valve body</b>	Glass reinforced Noryl®
<b>Distributor</b>	1.05" O.D.
<b>Types</b>	Time clock initiated
<b>Connection</b>	1" Copper Sweat Standard
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Media</b>	Micro-Z or Coconut Shell Carbon

## Features & benefits

- Competitive pricing and top quality components.
- Integrated 12 volt transformer included.
- Up to 2.5 CF fully assembled, ready for installation.
- Models for capacities up 4 cubic feet.
- Advanced GE Performa 740 control valve.
- Decorative mineral tank jacket options available.
- Multiple ¾" to 1¼" bypass and connection options.

## Time clock initiated 740 models

Part Number	Media Cu. Ft.	Media Type	Mineral Tank size	Estimated Peak GPM	Rec. GPM Range	Height (Inch)	Ship Wt. (lbs)
WST-470310	1	GAC	9x48	12	1.3-3	59	80
WST-470320	1.5	GAC	10x54	14	1.6-4.5	65	105
WST-470340	2	GAC	12x52	16	2.3-6	63	145
WST-470350	2.5	GAC	13x54	16	2.8-7.5	65	160
WST-470360	3	GAC	14x65	18	3.2-9	75	200
WST-470370	4	GAC	16x65	18	4.2-12	75	265
WST-471310	1	Micro-Z	9x48	9	1.3-9	59	110
WST-471320	1.5	Micro-Z	10x54	10	1.6-10	65	140
WST-471340	2	Micro-Z	12x52	15	2.3-15	63	200
WST-471350	2.5	Micro-Z	13x54	16	2.8-16	65	230
WST-471360	3	Micro-Z	14x65	18	3.2-18	75	310

# Watts® Scale Prevention Systems

## The problem

Calcium creates scale in pipes, on appliances and other plumbing surfaces. This leads to higher heating and energy costs and expensive repairs to appliances, such as ice machines, coffee makers, dishwashers and cooling towers in commercial buildings.

Scale can also be a source for bacteria to grow, which can be a health concern in drinking water applications. Calcium, on the other hand, is important to human health, and supplements are recommended if Calcium is reduced or totally void in one's diet.



## The solution

WATTS® scale prevention systems transform Calcium *ions* into Calcium *crystals*, which are stable and cannot attach to pipes, surfaces, hardware or heat exchanger components. The crystals are so small they are easily rinsed away by the water flow.

## Benefits

- No scale!
- No costly repairs.
- Saves water!
- No salt!
- No brine tank!
- No control valve!
- Easy installation!

**Note:** For satisfactory results recommended flow rates and model sizing must be followed.

## Residential models

Part Number	Tank Size (Vortech®) (In.)	Pipe Size (In.)	Media Liters	Gravel Lbs.	Service Flow GPM	Floor Space L x W x H (In.)	Ship Wt. (lbs)
M8408-RES	8x35	1"	3.5	NA	10	11x11x42	30
M8409-RES	9x35	1"	4	NA	12	12x12x42	32
M8410-RES	10x54	1"	4.5	NA	15	13x13x61	37
M8412-RES	12x52	1"	6.5	NA	20	15x15x59	45
M8413-RES	13x54	1"	7.5	NA	25	15x15x61	51

Note: By-pass valves are optional. KC11V3006 is optional by-pass valve for 1" systems. Maximum hardness is 25 grains per gallon at specified flow rates.

## Commercial models

Part Number	Tank Size (Vortech®) (In.)	Pipe Size (In.)	Media Liters	Gravel Lbs.	Service Flow GPM	Floor Space L x W x H (In.)	Ship Wt. (lbs)
M8409-COM	9x35	1"	5.5	NA	12	12x12x42	32
M8410-COM	10x54	1"	6.25	NA	15	13x13x61	37
M8412-COM	12x52	1"	9.25	NA	20	15x15x59	45
M8413-COM	13x54	1"	11	NA	25	15x15x61	51
M8414-COM	14x65	1"	12.5	NA	30	15x15x72	77
M8416-COM	16x65	1.5"	16.5	50	50	17x17x72	138
M8421-COM	21x62	1.5"	28	100	70	22x22x69	250

Note: Commercial systems designed for long runs and high usage. By-pass valves are optional. Maximum hardness is 25 grains per gallon at specified flow rates.