

# Watts® Water Softeners with Vortech® Tanks

"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 & 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 appliance and reduced energy costs because scale is virtually eliminated.
- Spot-free car wash (if softened water is used).



## Metered Valve For Greater Efficiency

Clack® Metered 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.



## Complete System

The models listed below are complete systems including:

- CK-10 high flow, metered valve
- Vortech® mineral tank (no gravel needed)
- 18" x 36" black brine tank
- Float valve to prevent brine overflow
- By-pass valve

## Models (With CK-10 Metered Valves, By-Pass And Safety Float Valves)

Model Number	Capacity (Grains)	Media Cu.Ft.	Valve Type	Connection	Mineral Tank Size	Brine Tank Size	Safety Float Valve
M3011-W100SM	30,000	1.0	Metered	1"	9"x48"	18"x36"	Yes
M3013-W100SM	45,000	1.5	Metered	1"	10"x54"	18"x36"	Yes
M3015-W100SM	60,000	2.0	Metered	1"	12"x52"	18"x36"	Yes
M3017-W100SM	90,000	3.0	Metered	1.25" - 1.5"	13"x65"	18"x36"	Yes
M3019-W100SM	120,000	4.0	Metered	1.25" - 1.5"	16"x65"	21"x41"	Yes
M3021-W100SM	210,000	7.0	Metered	1.25" - 1.5"	21"x62"	24"x41"	Yes

NOTE: Brine tanks come with safety float valve.

# CK10 Water Softeners with Standard Tanks

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### Metered Valve For Greater Efficiency

Clack® Metered 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.



### Complete System

The models listed below are complete systems including Vortech mineral tank, resin, metered control valve, by-pass valve and fully assembled brine tank, with safety float valve to prevent brine water overflow.



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

## Models (With Clack Metered Valves, By-Pass And Safety Float Valves)

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

NOTE: Brine tanks come with safety float valve.

# 7000 Series Softeners With 1" - 1-1/2" Control Valves



## Your Best Option for Large Homes

7000 series softeners are our fastest growing line of residential softeners because they appeal to consumers who own and builders who build larger homes, requiring 1"-1-1/2" pipe size.

## Specifications

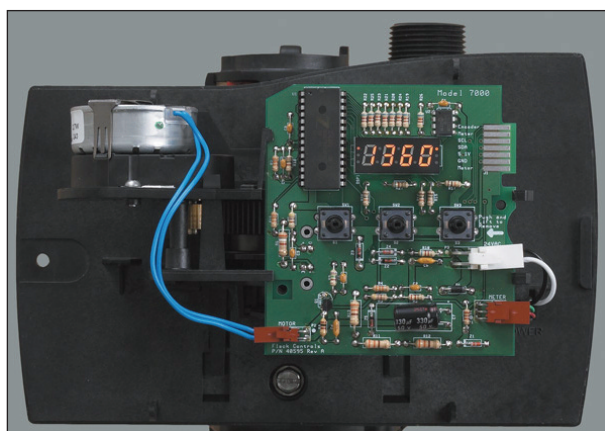
Valve	Fleck 7000 with SE electronics
Valve body	Glass reinforced Noryl® (1-1/4")
Valve type	Electronic - metered
Pipe size	1" - 1-1/2"
Bypass	Bypass included (MNP)
Mineral tanks	Corrosion resistant FRP. NSF.
Brine tanks	Polyethylene; fully assembled
Media	Cation resin; high capacity

## Features & Benefits

- 1-1/4" valve for high flow / backwash rates.
- Easy to program Fleck 7000 valves.
- Variable brining is standard.
- Variable reserve is standard.
- Quick connect fittings (some connections).
- Models for capacities to 210,000 grains.
- Top quality components are used.
- Brine tanks with grid plate for maximum saturation of brine.
- 1-1/4" distribution system (standard).
- Safety brine valve with air check.
- Reliable optical electronics eliminates micro switch positioning.

## Easy To Program!

7000 Series electronic softeners are easy to program and are highly reliable, plus manual operation is possible should power be disrupted!



## 7000 Series Models

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)	
M3011-70	30,000	1"-1-1/2"	9x48	1	10	18x40	400	15.2	15	2	110
M3013-70	45,000	1"-1-1/2"	10x54	1.5	15	18x40	400	16.4	15	2.4	130
M3015-70	60,000	1"-1-1/2"	12x52	2	30	18x40	400	20.5	15	3.5	190
M3017-70	90,000	1"-1-1/2"	14x65	3	60	18x40	400	21.9	15	5	240
M3019-70	120,000	1"-1-1/2"	16x65	4	80	18x40	400	23.4	15	7	320
M3021-70	210,000	1"-1-1/2"	21x62	7	100	24x41	700	25.0	15	11	585

Note: Brine tanks and mineral tanks are almond as standard. Other options are available. Please specify when ordering.  
Connectors available: 1", 1-1/4", 1-1/2", NPT.



# 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	¾"
Types	Time clock and metered
Bypass	Included (stainless steel)
Mineral Tank	Corrosion resistant FRP. NSF
Brine Tank	Polyethylene; fully assembled
Media	High capacity cation resin

## 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			Ship Wt. (Lbs.)
			Size	Resin Cubic Ft.	Gravel #20 (Lbs.)	Size	Salt Fill (Lbs.)	Service Flow (GPM)	Drop (PSI)	Back Wash (GPM)	
M1248	22,500	¾"	8x44	0.75	5	14x34	225	5-6	7-8	1.5	70
M2010	30,000	¾"	9x48	1	10	18x40	400	15-20	9-11	2.2	110
M2012	45,000	¾"	10x54	1.5	15	18x40	400	18-23	10-13	2.7	130
M2014	60,000	¾"	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			Ship Wt. (Lbs.)
			Size	Resin Cubic Ft.	Gravel #20 (Lbs.)	Size	Salt Fill (Lbs.)	Service Flow (GPM)	Drop (PSI)	Back Wash (GPM)	
M3011	30,000	¾"	9x48	1	10	18x40	200	15-20	9-11	2.2	110
M1286	30,000	¾"	10x35	1	10	Cabinet	225	15-20	10-13	2.7	110
M3013	45,000	¾"	10x54	1.5	15	18x40	400	18-23	10-13	2.7	130
M3015	60,000	¾"	12x52	2	30	18x40	400	19-25	10-13	4.0	190

# 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

# 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)
M2058-91	2	16,000	30,000	(2)9x48	14x14	200	13	1.3-8	60	180
M2059-91	3	24,000	45,000	(2)10x54	14x14	200	14	1.6-10	66	250
M2060-91	4	32,000	60,000	(2)12x52	15x17	250	15	2.3-15	64	330
M2066-91	6	48,000	90,000	(2)14x65	18x40	350	15	3.2-15	76	470
M2069-91	8	64,000	120,000	(2)16x65	24x40	600	15	4.2-15	76	625

# Water Softeners



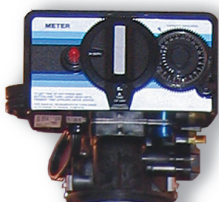
## Water Softeners With Fleck 2510 Time Clock Valves

Part Number	Capacity	Resin (Cu. Ft.)	Pipe Size	Mineral Tank (Size)	Mineral Tank (Color)	Brine Tank (Size)	Brine Tank (Color)	Ship Wt. (Lbs.)
M2012D	45,000	1.5	0.75"	10" x 54"	Almond	18" x 40"	Almond	135
M2012D-1	45,000	1.5	1"	10" x 54"	Almond	18" x 40"	Almond	135
M2014D	60,000	2	0.75"	12" x 52"	Almond	18" x 40"	Almond	195



## Twin Alternation Softeners With Fleck 9000 Brass Valves

Part Number	Capacity	Resin (Cu. Ft.)	Pipe Size	Mineral Tank (Size)	Mineral Tank (Color)	Brine Tank (Size)	Brine Tank (Color)	Ship Wt. (Lbs.)
M2055	15,000	0.5	0.75"	8" x 35"	Blue	18" x 40"	Blue	175
M2056	25,000	0.75	0.75"	10" x 35"	Blue	18" x 40"	Blue	220
M2058	30,000	1	0.75"	9" x 48"	Almond	18" x 40"	Almond	230
M2059	45,000	1.5	0.75"	10" x 54"	Almond	18" x 40"	Almond	290
M2060	60,000	2	0.75"	12" x 52"	Almond	18" x 40"	Almond	400



## Our Most Popular Softeners Assembled in Brea, CA (with stainless steel jackets)

Part Number	Capacity	Resin (Cu. Ft.)	Pipe Size	Mineral Tank (Size)	Mineral Tank (Color)	Brine Tank (Size)	Brine Tank (Color)	Ship Wt. (Lbs.)
WST-S5610MWQA	45,000	1.5	3/4"	10" x 54"	Almond	18" x 40"	Black	135
WST-S5610MWQA1	45,000	1.5	1"	10" x 54"	Almond	18" x 40"	Black	135
WST-S5610MWQAW	45,000	1.5	3/4"	10" x 54"	Almond	18" x 40"	Black	200