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LC-100 Light Commercial Single Tank Softeners (1")



Ideal for commercial applications with capacities to 120,000 grains.

LC-100 series softeners with Fleck 2750 brass control valves are our best selling light commercial softeners because they are ideal, considering price and performance!

Specifications

Valve	Fleck 2750 SE top mount valve
Valve body	Brass
Pipe size	1"
Types	Time clock and 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 120,000 grains.
- User friendly Fleck 2750 control valves.
- Brine tanks with grid plate for maximum saturation of brine (some models).
- Safety brine valve with air check.

Time clock models (with FT2750SE brass valve without flow meter)

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)	
M4040-SE	60,000	1"	12x52	2	10	18x40	400	15-20	15-25	4	200
M4042-SE	90,000	1"	14x65	3	15	18x40	400	18-23	15-25	5	240
M4046-SE	120,000	1"	16x65	4	30	18x40	400	19-25	15-25	7	320

Metered models (with FM2750SE brass valve with flow meter)

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)	
M4040B-SE	60,000	1"	12x52	2	10	18x40	400	15-20	15-25	4	200
M4042B-SE	90,000	1"	14x65	3	15	18x40	400	18-23	15-25	5	240
M4046B-SE	120,000	1"	16x65	4	30	18x40	400	19-25	15-25	7	320

TA Softeners with Fleck 2900s “NT” Valves

Light commercial applications

Twin alternating water softeners using the Fleck 2900s control valves will provide 24/7 soft water capability. The NT controller offers a simple, yet flexible format. Check out the features, benefits, specifications and options described below.



Specifications

Valves	Fleck 2900s NT digital valve
Electrical	120 Volt 60 Hz standard
Valve bodies	Brass
Distributor	1.9" O.D., 1.5" pipe
Types	Meter initiated
Connection	2" FNPT
Mineral Tank	Corrosion resistant FRP
Brine Tank	Fully assembled polyethylene
Media	High capacity cation resin

Features & benefits

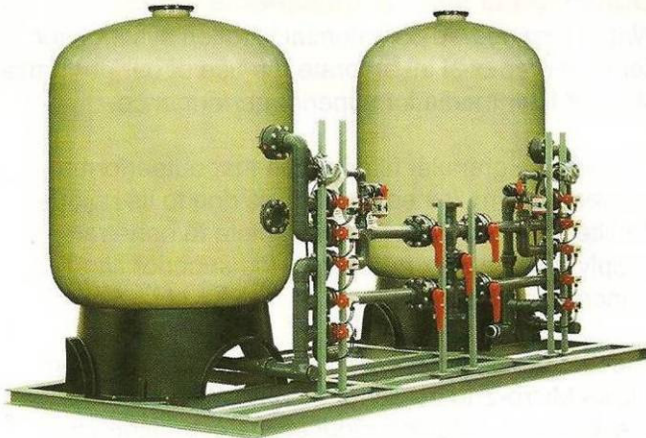
- Sturdy brass construction, simple, reliable operation.
- 24 volt transformer included.
- 2" electronic brass meter.
- Models for capacities up to 600,000 grains per tank.
- Decorative mineral tank jacket options available.
- Multiple brine tank options available.
- Safety brine valve with air check included.
- Electro mechanical version also available.

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-A2912MN	4	32,000	60,000	(2)12x52	15x17	250	25	2.3-15	70	430
WST-A2913MN	5	40,000	75,000	(2)13x54	18x40	400	30	2.8-18	72	480
WST-A2914MN	6	48,000	90,000	(2)14x65	18x40G	350	35	3.2-21	82	600
WST-A2916MN	8	64,000	120,000	(2)16x65	24x40	650	40	4.2-27	82	770
WST-A2918MN	10	80,000	150,000	(2)18x65	24x50	850	50	5.3-35	85	905
WST-A2921MN	12	96,000	180,000	(2)21x62	24x50	850	55	7.2-43	81	1085
WST-A2924MN	16	128,000	240,000	(2)24x60	24x50G	650	70	9.4-62	81	1550
WST-A2924MCN	20	160,000	300,000	(2)24x72	30x60	1500	70	9.4-62	92	1800
WST-A2930MN	30	240,000	450,000	(2)30x72	39x48	2000	85	15-85	103	2730
WST-A2936MN	40	320,000	600,000	(2)36x72	39x60	2400	85	21-85	105	3980

Commercial Activated Carbon Filters

Engineered activated carbon water filtration systems.



Custom twin system with valve nest shown above. Standard models are listed below.

Contaminates adsorbed:

- Chlorine
- Organic Chemicals
- Fertilizers
- TCE (Trichloroethylene)
- EDB (Ethylene dibromide)
- THM (Trihalomethanes)
- Sediment
- Odors
- Pesticides
- Detergents
- Chloramines

Selection & sizing concerns:

- Contaminant
- EBCT (Empty bed contact time).
- Service flow rate
- Hours of operation
- Carbon base
- Carbon mesh size
- Backwash requirement
- Installation space
- Drain location

Tank material	FPR
Max. Pressure	150 psi
Max. Temp	120°

Adsorption Influencing Factors

Temperature	Most effective 60°F - 80°F.
pH	Most organics in water are more soluble at pH lower than 7.0.
Contact time	Contact time is a very important consideration related to performance. Please contact tech support for more information.

Models

Part Number	Description	Valve	Pipe Size	FRP Tank Size	Media Cu. Ft.	Service Flow GPM	Pressure Drop PSI	Backwash Flow GPM	Ship Wt. (lbs)
N2058-14	AC14F2850	2850	1.5"	14X65	3	5/11	15/25	10	125
N2058-16	AC16F2850	2850	1.5"	16X65	4	7/15	15/25	12	190
N2058-22	AC22F2850	2850	1.5"	21X62	6	11/22	15/25	26	672
N2058-24-3150	AC24F3150	3150	2.0"	24X72	8	16/30	15/25	30	960
N2058-30-3150	AC30F3150	3150	2.0"	30X72	15	25/56	15/25	50	1463
N2058-36-3150	AC36F3150	3150	2.0"	36X72	20	35/75	15/25	70	2085
N2058-48-DVN	AC48FDVN	DVN	3.0"	48x72	35	60/130	15/25	125	3882
N2058-63-DVN	AC63FDVN	DVN	3.0"	63X86	50	75/187	15/25	210	6175

NOTE: Use lower flow rates (above) for increased contact time. Typical flow rates are from 4 and 2 minutes, empty bed contact time. Chloramines and some organics may require up to 10 minutes EBCT. For more information please contact technical support.

SAFETY MESSAGE: Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate procedures for potentially low-oxygen environment should be followed.