

Water Softner systems





Overview

The WES water softener systems are engineered to handle higher flow rates. Whether its mineral scale in boiler feed or supply water for process. The WES offers a robust and efficient solution for reducing mineral scale, cooling towers, and energy consumption in the plumbing and other water using equipment.

Standard Features

- Corrosion resistant fiberglass tanks
- Piston actuated, multiport, brass control valves
- Timeclock or meter initiated regeneration cycle
- Brine tank assembly with safety overflow
- Sodium form cation exchange resin
- Water hardness testing kit

Materials of Construction

- Control Valve Body: Low lead brass
- Resin Tanks: Fiberglass reinforced polyethylene
- Internal Distributors: Sch 80 PVC/ABS
- Brine Tank: Corrosion resistant polyethylene
- Meter: Brass

Instrumentation / Controls

- Timeclock - electromechanical control
- LED status lights
- On board diagnostics and error reporting
- Flow totalizer

Operating Parameters

- Inlet Pressure: 30-100 psig
- Electrical: 24V circuitry
- 120/24 VAC, 50/60 Hz wall mount transformer
- Temperature: 12-45 °C

Options Available

- Skid mounted, pre-piped, pre-wired systems
- Duplex or multiple tank configuration
- ASME Pressure vessels
- Flow sensors
- Stainless steel meters - 2" and 3"
- Inlet/Outlet pressure gauges and sample valves
- Electromechanical metered controls
- Larger brine tanks
- Multiple voltage options

SELECTION

Model No	EXCHANGE CAPACITY	SALT USAGE	FLOW RATES	PIPE SIZE	RESIN	TANK SIZE		SALT STORAGE	OVERALL DIMENSIONS (INCHES)	
	Grains(MAX.)	POUNDS	GPM	INCHES	CU. FT.	SOFTNER (INCHES)	BRINE (INCHES)	LBS	SINGLE (L1xWxH)	TWIN (L2xWxH)
WSO-60-H	60,000	30	33	2	2	13x54	18x40	320	37x18x67	62x18x67
WSO-90-H	90,000	45	39	2	3	14x65	18x40	270	38x18x78	64x18x78
WSO-120-H	120,000	60	47	2	4	16x65	24x40	550	46x24x78	74x24x78
WSO-150-H	150,000	75	61	2	5	18x65	24x40	500	48x24x80	78x24x80
WSO-210-H	210,000	105	60	2	7	21x62	24x50	600	51x24x80	82x24x80
WSO-240-1H	240,000	120	74	2	8	24x72	24x50	550	54x24x88	90x24x88
WSO-240-2H			120	3					54x24x91	90x24x91
WSO-300-1H	300,000	150	68	2	10	24x72	24x450	450	54x24x88	90x24x88
WSO-300-2H			114	3					54x24x91	90x24x91
WSO-450-1H	450,000	225	84	2	15	30x72	30x48	590	66x30x88	108x30x88
WSO-450-2H			160	3					66x30x91	108x30x91
WSO-600-1H	600,000	300	87	2	20	36x72	39x48	1250	81x39x91	129x39x91
WSO-600-2H			185	3					81x39x91	129x39x91
WSO-900-H	900,000	450	165	3	30	42x72	42x60	2,000	90x42x110	144x42x110
WSO-1200-H	1,200,000	600	205	3	40	48x72	42x60	1,700	96x48x110	156x48x110



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Notes

- Maximum capacity based on 30,000 grains per cubic foot of resin when regenerated with 15 lbs. salt . Minimum capacity based
- Dimensions are estimate only. Actual dimensions may vary based on job-site space limits and piping layout. Allow a minimum of
- Dimensions are estimate only. Actual dimensions may vary based on job-site space limits and piping layout. Allow a minimum of 24" above height dimension for resin loading. Shipping weights are estimate only. Weights include resin and support gravel, which are added to the tanks after installation.

Sustainable Water Solutions

Media Filtration Systems



Overview

The WES ater softener system offers the commercial or institutional facility a robust and efficient solution for reducing mineral scale, soap usage, and energy consumption in their plumbing and other water-using equipment.

The corrosion resistant fiberglass reinforced polyethylene tank design and reliable top mounted valve will provide many years of service.

Standard Features

- Corrosion resistant fiberglass tanks
- Piston actuated, multiport, brass control valves
- Timeclock or meter initiated regeneration cycle
- Brine tank assembly with safety overflow
- Sodium form cation exchange resin
- Hardwater bypass during regeneration
- Water hardness testing kit

Materials of Construction

- Control Valve Body: Low lead brass
 - Fleck 1500 - 3/4" Valve-(Timeclock Only)
 - Fleck 2750 - 1" Valve
 - Fleck 2850 - 1-1/2" Valve
- Resin Tanks: Fiberglass reinforced polyethylene
- Internal Distributors: Sch 80 PVC/ABS
- Brine Tank: Corrosion resistant polyethylene
- Meter: Brass or glass filled Noryl

Instrumentation / Controls

- Timeclock - electromechanical control
- Metered - XT and NXT electronic control
 - LED Status lights
 - On board diagnostics and error reporting
 - Flow totalizer

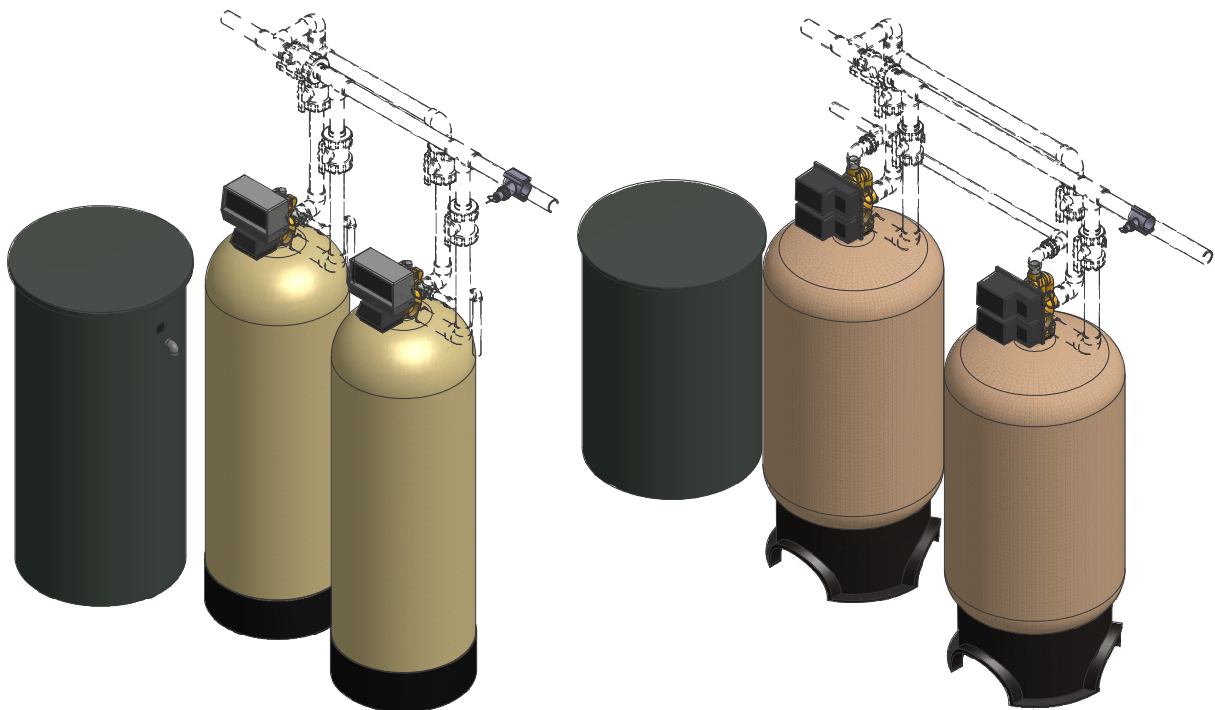
Operating Parameters

- Inlet Pressure: 30-100 psig
- Electrical: 24V circuitry
- 120/24 VAC, 50/60 Hz wall mount transformer
- Temperature: 35-100 °F

Options Available

- Skid mounted, pre-piped, pre-wired systems
- Multi-tank system configurations (twin, triple, qu)
- ASME Pressure vessels
- Flow sensors
- Stainless steel meters - 1-1/2"
- Inlet/Outlet pressure gauges and sample valves
- Electromechanical controls and meters
- Larger brine tanks
- Multiple voltage options

Model No	EXCHANGE CAPACITY	SALT	FLOW RATE			TANK SIZES		SALT STORAGE LBS	OVERALL DIMENSIONS (INCHES)
	Grains(MAX.)	POUNDS	CONT. GPM	PIPE SIZE	RESIN	SOFTENER	BRINE		SINGLE (LxWxH)
				INCHES	CU. FT.	INCHES	INCHES		
WSL-15-3/4	15,000	7.5	7	3/4	0.5	7x44	18x33	290	31x18x52
WSL-30-3/4	30,000	15	10	3/4	1	9x48	18x33	290	33x18x56
WSL-30-1			14	1					
WSL-45-1	45,000	22.5	15	1	1.5	10x54	18x40	320	34x18x62
WSL-45-1-1/2			18	1-1/2		13x54			
WSL-60-1	60,000	30	16	1	2	12x54	18x40	320	36x18x60
WSL-60-1-1/2			33	1-1/2		13x54			
WSL-90-1	90,000	45	17	1	3	14x65	18x40	270	38x18x73
WSL-90-1-1/2			31	1-1/2					
WSL-120-1	120,000	60	18	1	4	16x65	24x40	550	46x24x73
WSL120-1-1/2			34	1-1/2					
WSL-150-1-1/2	150,000	75	37	1-1/2	5	18x65	24x40	500	48x24x75
WSL-210-1-1/2	210,000	105	39	1-1/2	7	21x62	24x50	600	51x24x75
WSL-240-1-1/2	240,000	120	42	1-1/2	8	24x72	24x50	550	54x24x83
WSL-300-1-1/2	300,000	150	41	1-1/2	10	24x72	24x50	450	54x24x83



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