



Pre-engineered Water Treatment Solutions

### Standard Features

- Allen Bradley PLC
- Heavy Weight Industrial Grade Steel Tank Construction
- 100% Butt Welded Construction
- Structural Angle or Wide Beam Legs w/Foot Pad & Anchor Bolt Holes
- Interior Blasted to SSPC-SP10, Coated w/ANSI/NSF 61 Listed Epoxy Polyamide, Heat Cured
- Exterior Blasted to SSPC-SP6, Coated w/Self-Curing Epoxy Polyamide
- All Coatings 3-5 mil DFT
- Inlet Baffle & Multipoint Upper Distribution System
- Hub Radial or Header Lateral Lower Distribution System
- Internal Piping of Sch80 PVC, 304 or 316SS
- Low Pressure Drop, Positive Sealing, Resilient Seat Butterfly Valve Control System
- Polyester Coated Valve Bodies, Nylon II Coated Disc & Stainless Stems
- Lug Design for Ease of Alignment & Serviceability
- Premium Grade, High Capacity, Strong Acid Cation Resin, Conforms to FDA21CFR173.25

### Upgrade Options w/TRAKLink Ready Devices

- ASME Stamped Tanks
- Stainless Steel Construction
- High Pressure, High Temperature Requirements
- Alternate Diameters & Heights
- Media Removal Ports
- Seismic Design
- Stainless Steel Internal Piping
- Diaphragm-Type, Hydraulic Control Valves
- PVC, Stainless Steel Valve Harness
- Brine Recovery/Reuse Systems
- Skid Mounting
- Pre-Piped & Pre-Wired



## LSV Series Water Softeners

### GENERAL

The **LSV Series** provides durable softener design, engineered for high flow rates, low pressure drops or other specific requirements that cannot be met with “multiport” valves.

**TRAKLink** technology simplifies connections, making your system adaptable to your needs today and in the future. Integration of external components, like brine makers, booster pumps, chemical feeders and performance monitors, pre-engineer out many installation and start-up delays.

### APPLICATIONS

- Hardness Reduction
- Iron Removal
- Trace Metals Removal



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# LSV Series - SOFTENER SPECIFICATIONS

MODEL NUMBER	CAPACITY <sup>1</sup>		PIPE SIZE		FLOW RATES / PRS DROP		BACK-WASH GPM	RESIN	REGENERATION		TANK	
	KILOGRAINS/LB SALT		SERV	DRAIN	DESIGN	PEAK		CU. FT.	INITIAL SALT FILL LBS.	WASTE	SIZE (INCHES) <sup>4</sup>	
	MAX	MIN	IN	IN	GPM/PSI <sup>2</sup>	GPM/PSI			GAL. <sup>3</sup>	SOFTENER	BRINE	
LSV-1200S-4	1,200 / 600	800 / 240	4	2	130 / 4	250 / 10	65	40	3,500	1,100-3,000	48x60	52x60
LSV-1500S-4	1,500 / 750	1,000 / 300	4	2	160 / 4	320 / 10	80	50	3,900	1,400-3,800	54x60	52x60
LSV-2000S-4	2,010 / 1,005	1,340 / 402	4	3	200 / 4	400 / 12	100	67	4,700	1,800-4,800	60x60	60x60
LSV-2000S-6	2,010 / 1,005	1,340 / 402	6	3	200 / 3	400 / 11	100	67	4,700	1,800-4,800	60x60	60x60
LSV-2800S-4	2,810 / 1,410	1,880 / 564	4	3	280 / 4	560 / 14	140	94	8,500	2,500-6,800	72x60	72x61
LSV-2800S-6	2,810 / 1,410	1,880 / 564	6	3	280 / 3	560 / 12	140	94	8,500	2,500-6,800	72x60	72x61
LSV-2800S-8	2,810 / 1,410	1,880 / 564	8	3	280 / 3	560 / 11	140	94	8,500	2,500-6,800	72x60	72x61
LSV-3700S-4	3,720 / 1,860	2,480 / 744	4	3	390 / 5	580 / 10	190	124	10,600	3,500-9,100	84x60	90x59
LSV-3700S-6	3,720 / 1,860	2,480 / 744	6	3	390 / 4	780 / 12	190	124	10,600	3,500-9,100	84x60	90x59
LSV-3700S-8	3,720 / 1,860	2,480 / 744	8	3	390 / 3	780 / 11	190	124	10,600	3,500-9,100	84x60	90x59
LSV-4800S-6	4,800 / 2,400	3,200 / 960	6	4	500 / 5	1,000 / 12	250	160	10,600	4,500-12,000	96x60	90x59
LSV-4800S-8	4,800 / 2,400	3,200 / 960	8	4	500 / 4	1,000 / 11	250	160	10,600	4,500-12,000	96x60	90x59

MODEL NUMBER	DIMENSIONS (INCHES)						WEIGHTS (POUNDS)							
	WIDTH				DEPTH	HEIGHT	SINGLE		DUPLEX		TRIPLEX		QUAD	
	SINGLE <sup>5</sup>	DUPLEX <sup>5</sup>	TRI <sup>6</sup>	QUAD <sup>6</sup>			SHIP	OP <sup>7</sup>	SHIP	OP <sup>7</sup>	SHIP	OP <sup>7</sup>	SHIP	OP <sup>7</sup>
LSV-1200S-4	118	184	302	380	68	94	1,525	10,205	2,925	16,130	4,450	26,335	5,850	32,260
LSV-1500S-4	124	196	332	404	76	97	2,425	12,305	4,725	20,330	7,150	32,635	9,450	40,660
LSV-2000S-4	138	216	366	444	82	99	2,900	15,545	5,500	25,425	8,400	40,970	11,000	50,850
LSV-2000S-6	138	216	366	444	82	99	2,900	15,545	5,500	25,425	8,400	40,970	11,000	50,850
LSV-2800S-4	162	292	426	516	94	102	3,900	22,505	7,400	36,810	11,300	59,315	14,800	73,620
LSV-2800S-6	162	292	426	516	94	102	3,900	22,505	7,400	36,810	11,300	59,315	14,800	73,620
LSV-2800S-8	162	292	426	516	94	102	3,900	22,505	7,400	36,810	11,300	59,315	14,800	73,620
LSV-3700S-4	192	294	498	600	108	105	5,900	33,135	11,200	53,570	17,100	86,705	22,400	107,140
LSV-3700S-6	192	294	498	600	108	105	5,900	33,135	11,200	53,570	17,100	86,705	22,400	107,140
LSV-3700S-8	192	294	498	600	108	105	5,900	33,135	11,200	53,570	17,100	86,705	22,400	107,140
LSV-4800S-6	204	318	534	648	120	108	8,100	40,420	16,200	68,140	23,700	108,560	31,200	136,280
LSV-4800S-8	204	318	534	648	120	108	8,100	40,420	16,200	68,140	23,700	108,560	31,200	136,280

**NOTE:**

1- Nominal capacities based on 10 GPG clear, oil and color free feedwater less than 500 ppm

TDS. Operation on different conditions may effect overall capacity.

2 - Pressure drop on 50° F water. Extended operation at peak flow rates will reduce capacity slightly and is not recommended.

3 - Typical range shown. Regeneration waste produced varies based on user data including salt dosage, backwash and rinse times.

4 - Dimensions are diameter by tank straight side.

5 - Width includes one brine tank.

6 - Width includes two brine tanks. Bulk brine with pumped or educted brine should be reviewed.

7 - Operating weight include initial salt fill weight.

Operating pressure range 30-100 psi, temperature 35°-120°F

Dimensions do not include maintenance area.

Specifications subject to change without notice.

