



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 ¹ | | PIPE SIZE | | FLOW RATES / PRS DROP | | BACK-WASH GPM | RESIN | REGENERATION | | TANK | |
|--------------|-----------------------|-------------|------------|-------------|--------------------------------|-----------------|------------------|---------|------------------------|----------------------------|----------------------------|-------|
| | KILOGRAINS/LB SALT | | SERV IN | DRAIN IN | DESIGN GPM/PSI ² | PEAK GPM/PSI | | CU. FT. | INITIAL SALT FILL LBS. | WASTE GAL. ³ | SIZE (INCHES) ⁴ | |
| | MAX | MIN | | | | | | | | | 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 ⁵ | DUPLEX ⁵ | TRI ⁶ | QUAD ⁶ | | | SHIP | OP ⁷ | SHIP | OP ⁷ | SHIP | OP ⁷ | SHIP | OP ⁷ |
| 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.

