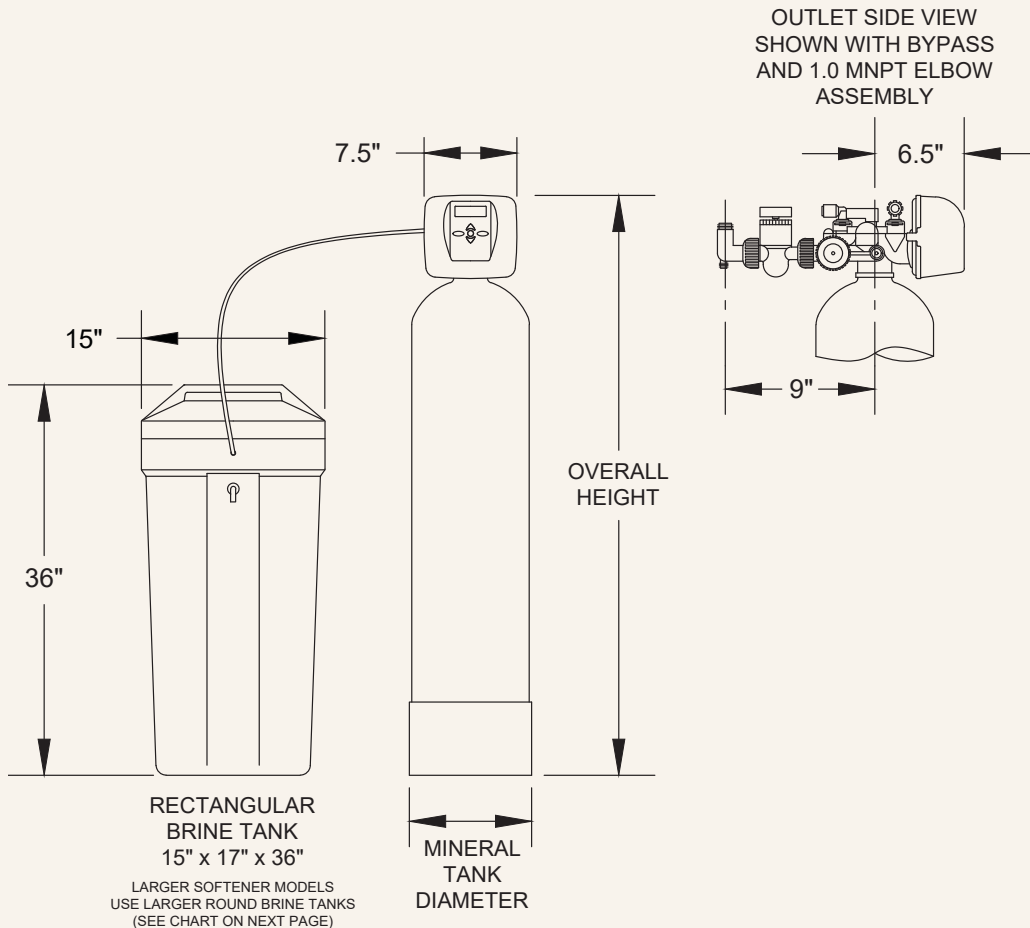




LANCASTER

WATER TREATMENT

X-FACTOR SERIES LES SOFTENERS



Model Number	LES PROGRAM CYCLES*				STANDARD SOFTENER					
	7-LES-75B		7-LES-100B		7-LES-150B		7-LES-200B		7-LES-300B	
Units:	Minutes	Gallons	Minutes	Gallons	Minutes	Gallons	Minutes	Gallons	Minutes	Gallons
1st Cycle: Backwash	10	17	10	27	10	27	10	32	10	53
2nd Cycle: Brine & Slow Rinse	50	13.5	50	18.5	50	18.5	50	26	50	36
3rd Cycle: Backwash	10	17	10	27	10	27	10	32	10	53
4th Cycle: Rinse	5	8.5	5	13.5	5	13.5	5	16	5	26.5
5th Cycle: Fill - Salt Setting (LBS NaCl)	4	2 (6 LBS)	5.34	2.67 (8 LBS)	8	4 (12 LBS)	10.66	5.33 (16 LBS)	16	8 (24 LBS)
Total Gallons to Drain**	58.0		88.7		90.0		111.3		176.5	
Total Regeneration Time	79.0		80.3		83.0		85.7		91.0	

*Downflow Regenerant, Post-fill Factory Program Settings
 **Based on 50 PSI Inlet Pressure



X-FACTOR SERIES LES SOFTENERS

LES SPECIFICATIONS		STANDARD SOFTENER				
Model Number		7-LES-75B	7-LES-100B	7-LES-150B	7-LES-200B	7-LES-300B
Inlet/Outlet Fitting Options (Inches) ¹		0.75 - 1.0 ¹ - 1.25 - 1.5	0.75 - 1.0 ¹ - 1.25 - 1.5	0.75 - 1.0 ¹ - 1.25 - 1.5	0.75 - 1.0 ¹ - 1.25 - 1.5	0.75 - 1.0 ¹ - 1.25 - 1.5
Bypass Included		Yes	Yes	Yes	Yes	Yes
Drain Fit. Elb. NPT or OD Poly Tube Size (Inches)		3/4 NPT or 5/8 Tube	3/4 NPT or 5/8 Tube	3/4 NPT or 5/8 Tube	3/4 NPT or 5/8 Tube	3/4 NPT or 5/8 Tube
Water Pressure Range (PSI)		20 - 100	20 - 100	20 - 100	20 - 100	20 - 100
Water Operating Temperature Range (°F)		35 - 100	35 - 100	35 - 100	35 - 100	35 - 100
Influent Maximum Water Hardness (GPG)		100	100	100	100	100
Influent Maximum Ferrous Iron (PPM) ²		0.5	0.5	0.5	0.5	0.5
Plug-In Power Adapter Input (VAC - Hz - A)		120V AC - 60Hz - 0.35A	120V AC - 60Hz - 0.35A	120V AC - 60Hz - 0.35A	120V AC - 60Hz - 0.35A	120V AC - 60Hz - 0.35A
Plug-In Power Adapter Output (VDC - A)		15V DC - 0.5A	15V DC - 0.5A	15V DC - 0.5A	15V DC - 0.5A	15V DC - 0.5A
Plug-In Power Adapter Cord Length		15 FT	15 FT	15 FT	15 FT	15 FT
PC Board Relay Terminal Block DC Output (V)		12V DC	12V DC	12V DC	12V DC	12V DC
3 Volt Lithium Coin Cell Battery (Type)		2032	2032	2032	2032	2032
Service Flow Rate at 15 PSI Pressure Drop (GPM) ³		11	15	14	17	18
Overall Height (Inches)		51.5	51.6	61.7	60.1	73.53
Mineral Tank Size: Diameter x Height (Inches)		8 x 44	10 x 44	10 x 54	12 x 52	14 x 65
Bottom Distributor Type		Basket	Basket	Basket	Basket	Stack - 11 Segment
Top Basket Distributor		Yes	Yes	Yes	Yes	Yes
Amount of Resin (Cubic Feet)		0.75	1.0	1.5	2.0	3.0
Support Bedding		No	No	No	No	Yes
Brine Tank Size (Inches)		15 x 17 x 36 ⁴	15 x 17 x 36 ⁴	15 x 17 x 36 ⁴	15 x 17 x 36 ⁴ (Salt Grid)	18 D x 40 H
Brine Tank Capacity (LBS NaCl)		275	275	275	275	450
Drain Line Flow Control (GPM)		1.7	2.7	2.7	3.2	5.3
Brine Line (Re-Fill) Flow Control (GPM)		0.5	0.5	0.5	0.5	0.5
Injector (Color)		IC - Violet	IE - White	IE - White	IF - Blue	IH - Green
Grains Capacity (Grains @ LBS NaCl)	High	24,000 @ 11.3	32,000 @ 15.0	48,000 @ 22.5	64,000 @ 30.0	96,000 @ 45.0
	Medium ⁵	18,000 @ 6.0	24,000 @ 8.0	36,000 @ 12.0	48,000 @ 16.0	72,000 @ 24.0
	Low	12,750 @ 3.4	17,000 @ 4.5	25,500 @ 6.75	34,000 @ 9.0	51,000 @ 13.5
Water to Drain at 50 PSI Inlet Pressure (Gallons)	High	59.8	91.0	93.5	116.0	183.5
	Medium ⁵	58.0	88.7	90.0	111.3	176.5
	Low	57.1	87.5	88.3	109.0	173.0

¹1.0 MNPT Elbow Standard - Options Available

²Ferrous iron ("clear-water iron"): Water comes out of the faucet clear, but turns red or brown after standing. Recommend HIGH grains capacity program settings - Consult Factory

³Flow rates in the table may exceed resin manufacturer's recommended maximum flow rates. Selecting a system flow rate by pressure drop alone does not guarantee that the system will provide softened water.

⁴See Diagram

⁵Factory Program Setting