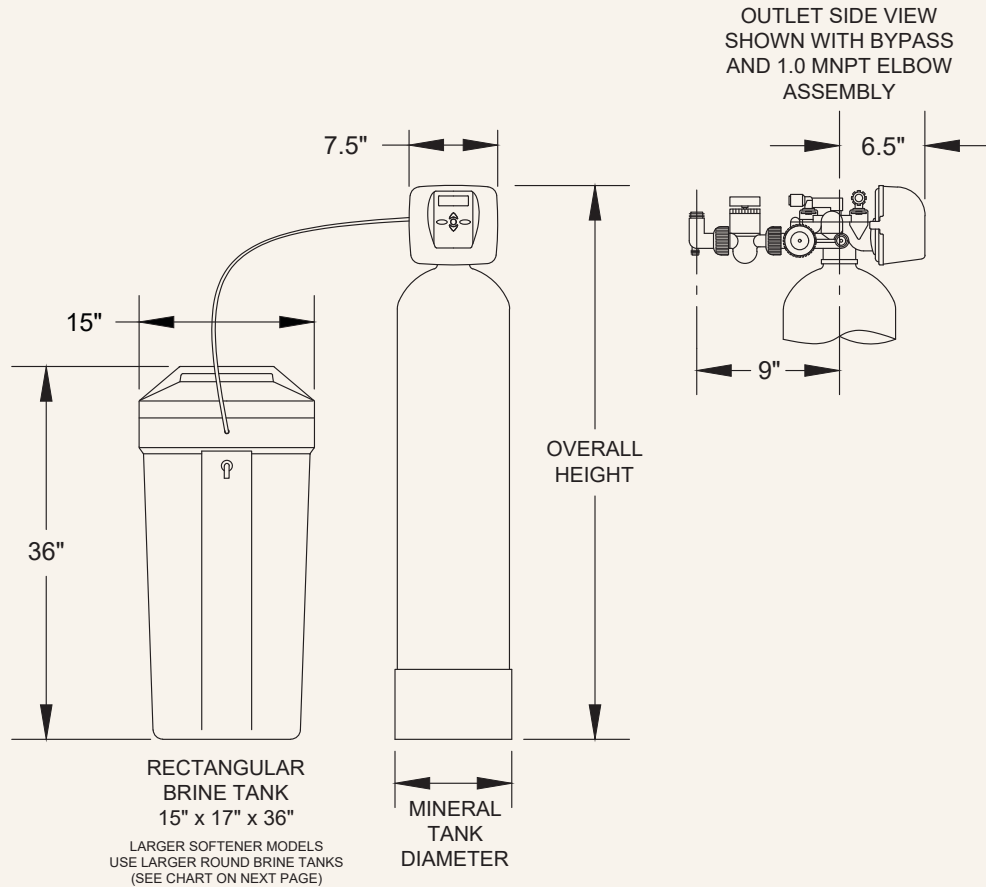




LANCASTER

WATER TREATMENT

X-FACTOR SERIES LER SOFTENERS



LER FIXED CYCLES OF OPERATION			STANDARD SOFTENER							
Model Number	7-LER-75B		7-LER-100B		7-LER-150B		7-LER-200B		7-LER-300B	
Program Code*	C2		C2		C2		C2		C2	
Units:	Minutes	Gallons	Minutes	Gallons	Minutes	Gallons	Minutes	Gallons	Minutes	Gallons
1st Cycle: Backwash	8	13.6	8	21.6	8	21.6	8	25.6	8	42.4
2nd Cycle: Brine & Slow Rinse	60	16.2	60	22.2	60	22.2	60	31.2	60	43.2
3rd Cycle: Backwash	8	13.6	8	21.6	8	21.6	8	25.6	8	42.4
4th Cycle: Rinse	4	6.8	4	10.8	4	10.8	4	12.8	4	21.2
5th Cycle: Fill - Treated Water into Brine Tank	4	2	5.34	2.67	8	4	10.66	5.33	16	8
Salt Setting - Salt Usage Per Regen (LBS NaCl)	6 LBS		8 LBS		12 LBS		16 LBS		24 LBS	
Total Gallons to Drain**	52.2		78.9		80.2		100.5		157.2	
Total Regeneration Time	84.0		85.3		88.0		90.7		96.0	

*C-Code display is based on the current combinations of factory settings including Backwash Type Normal, Post-fill, Downflow Brine. C-Code is displayed during initial start-up and also appears immediately after programming mode is exited.

**Based on 50 PSI Inlet Pressure

X-FACTOR SERIES LER SOFTENERS

LER SPECIFICATIONS			STANDARD SOFTENER				
Model Number			7-LER-75B	7-LER-100B	7-LER-150B	7-LER-200B	7-LER-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)	C3	High	24,000 @ 11.5	32,000 @ 15.0	48,000 @ 22.5	64,000 @ 30.0	96,000 @ 45.0
	C2	Medium ⁵	18,000 @ 6.0	24,000 @ 8.0	36,000 @ 12.0	48,000 @ 16.0	72,000 @ 24.0
	C1	Low	12,500 @ 3.4	17,000 @ 4.5	25,500 @ 7.0	34,000 @ 9.0	51,000 @ 13.5
Water to Drain at 50 PSI Inlet Pressure (Gallons)	C3	High	64.9	97.6	100.1	125.8	196.2
	C2	Medium ⁵	52.2	78.9	80.2	100.5	157.2
	C1	Low	33.7	50.6	51.4	64.8	100.5

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