

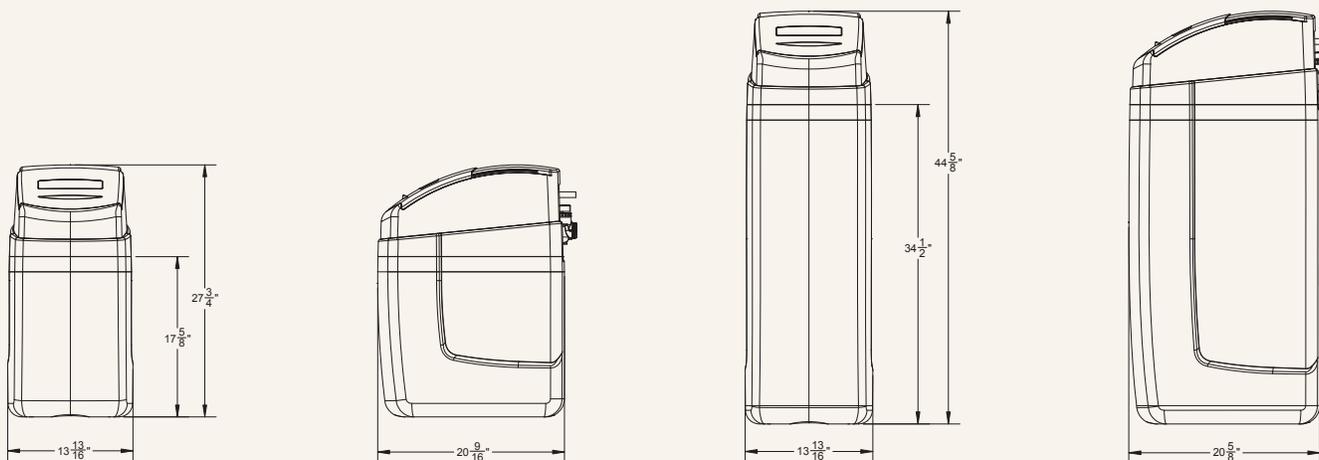


LANCASTER

WATER TREATMENT

DIAMOND LINE LX - CABINET SOFTENERS

X-FACTOR SERIES LX CABINET SOFTENERS



LXC PROGRAM CYCLES ¹	WATER AVAILABLE TO SERVICE DURING REGENERATION	CABINET SOFTENER							
		7-LXC-50B (Packed Bed)		7-LXC-75B		7-LXC-100B (Packed Bed)		7-LXC-150B	
Model Number		Minutes	Gallons ²	Minutes	Gallons ²	Minutes	Gallons ²	Minutes	Gallons ²
1st: Fill - (Programmed in LBS salt)	Treated Water	2.67	1.33	4.00	2.00	5.33	2.67	8.00	4.00
		4.0 LBS		6.0 LBS		8.0 LBS		12.0 LBS	
2nd: Softening (Minutes)	Treated Water	240	0	240	0	240	0	240	0
3rd: Backwash (Minutes)	Untreated Water	8	5.6	10	17	8	8	10	27
4th: Regenerant Draw DN & Slow Rinse (Minutes)	Untreated Water	50	16	50	18.5	50	18.5	50	26
5th: Backwash (Minutes)	Untreated Water	N/A		10	17	N/A		10	27
6th: Rinse (Minutes)	Untreated Water	5	3.5	5	8.5	5	5.0	5	13.5
7th: End	-	-		-		-		-	
DLFC - Drain Line Flow Control (GPM)	-	0.7		1.7		1.0		2.7	
Total Gallons to Drain ²	-	26.4		63.0		34.2		97.5	
Total Regeneration (Minutes)	-	305.7		319.0		308.3		323.0	
Total Time Untreated Water is Available to Service During Regeneration (Minutes)	-	63.0		75.0		63.0		75.0	

¹ Downflow Regenerant, Prefill Factory Program Settings
² Gallons to Drain Based on 50 PSI Inlet Pressure.



X-FACTOR SERIES LX CABINET SOFTENERS

LXC SPECIFICATIONS		CABINET SOFTENER			
Model Number		7-LXC-50B (Packed Bed)	7-LXC-75B	7-LXC-100B (Packed Bed)	7-LXC-150B
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 - 1.01 - 1.25 - 1.5
Bypass Included		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
Water Pressure Range (PSI)		20 - 100	20 - 100	20 - 100	20 - 100
Water Operating Temperature Range (°F)		35 - 100	35 - 100	35 - 100	35 - 100
Influent Maximum Water Hardness (GPG)		100	100	100	100
Influent Maximum Ferrous Iron (PPM) ²		0	0.5	0	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
Plug-In Power Adapter Output (VDC - A)		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
PC Board Relay Terminal Block DC Output (V)		12V DC	12V DC	12V DC	12V DC
3 Volt Lithium Coin Cell Battery (Type)		2032	2032	2032	2032
Service Flow Rate at 15 PSI Pressure Drop (GPM) ³		14	18	17	16
Overall Height (Inches)		27.75	44.63	44.63	44.63
Mineral Tank Size: Diameter x Height (Inches)		9 x 18	10 x 35	10 x 35	12 x 35
Bottom Distributor Type		Basket	Basket	Basket	Basket
Top Basket Distributor		Yes	Yes	Yes	Yes
Amount of Resin (Cubic Feet)		0.5	0.75	1.0	1.5
Cabinet Size (Inches) ⁴		13.81 x 20.56 x 27.75	13.81 x 20.63 x 44.63	13.81 x 20.63 x 44.63	13.81 x 20.63 x 44.63
Cabinet Capacity (LBS NaCl)		133	258	258	208
Drain Line Flow Control (GPM)		0.7	1.7	1.0	2.7
Brine Line (Re-Fill) Flow Control (GPM)		0.5	0.5	0.5	0.5
Injector (Color)		ID - Red	IE - White	IE - White	IF - Blue
Grains Capacity (Grains @ LBS NaCl)	High ⁵	N/A	N/A	N/A	N/A
	Medium ⁶	12,000 @ 4.0	18,000 @ 6.0	24,000 @ 8.0	36,000 @ 12.0
	Low	8,500 @ 2.3	12,750 @ 3.4	17,000 @ 4.5	25,500 @ 6.75
Water to Drain at 50 PSI Inlet Pressure (Gallons)	High ⁵	N/A	N/A	N/A	N/A
	Medium ⁶	26.4	63.0	34.2	97.5
	Low	25.9	62.1	33.00	95.8

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.

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

⁵Cabinet does not have an internal salt grid available; salt grids are used for salt settings requiring higher fill gallons.

⁶Factory Program Setting