

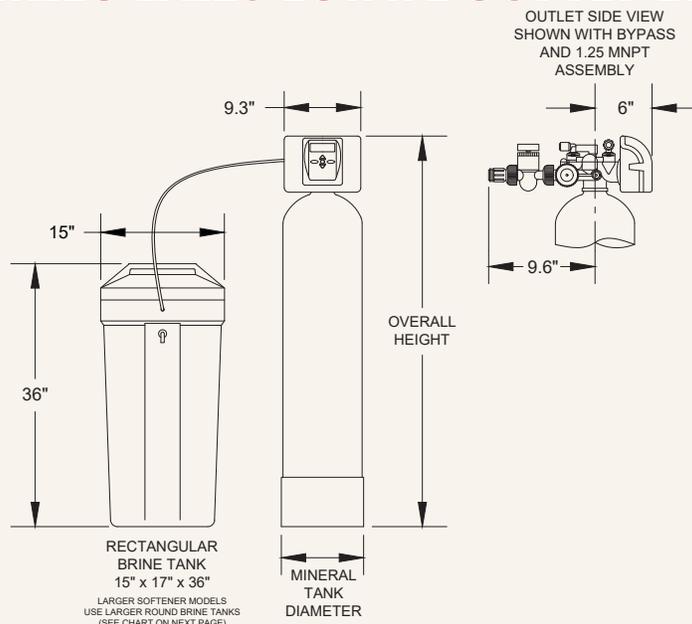


LANCASTER

WATER TREATMENT

DIAMOND LX125 - ESTATE SOFTENERS

X-FACTOR SERIES LX125 ESTATE SOFTENERS (100B-200B)



LX125 PROGRAM CYCLES ¹	WATER AVAILABLE TO SERVICE DURING REGENERATION	ESTATE SOFTENER					
		7-LX125-100B		7-LX125-150B		7-LX125-200B	
Model Number		Minutes	Gallons ²	Minutes	Gallons ²	Minutes	Gallons ²
1st: Fill - (Programmed in LBS salt)	Treated Water	5.33	2.67	8.00	4.00	10.67	5.33
		8.0 LBS		12.0 LBS		16.0 LBS	
2nd: Softening (Minutes)	Treated Water	240	0	240	0	240	0
3rd: Backwash (Minutes)	Untreated Water	10	17	10	17	10	27
4th: Regenerant Draw DN & Slow Rinse (Minutes)	Untreated Water	50	18.5	50	18.5	50	26
5th: Backwash (Minutes)	Untreated Water	10	17	10	17	10	27
6th: Rinse (Minutes)	Untreated Water	5	8.5	5	8.5	5	13.5
7th: End	-	-	-	-	-	-	-
DLFC - Drain Line Flow Control GPM	-	1.7		1.7		2.7	
Total Gallons to Drain ²	-	63.7		65.0		98.8	
Total Regeneration (Minutes)	-	320.3		323.0		325.7	
Total Time Untreated Water is Available to Service During Regeneration (Minutes)	-	75.0		75.0		75.0	

¹ Downflow Regenerant, Prefill Factory Program Settings

² Gallons to Drain Based on 50 PSI Inlet Pressure.



X-FACTOR SERIES LX125 ESTATE SOFTENERS (100B-200B)

LX125 SPECIFICATIONS		ESTATE SOFTENER		
Model Number		7-LX125-100B	7-LX125-150B	7-LX125-200B
Inlet/Outlet Fitting Options (Inches) ¹		0.75 - 1.0 - 1.25 ¹ - 1.5	0.75 - 1.0 - 1.25 ¹ - 1.5	0.75 - 1.0 - 1.25 ¹ - 1.5
Bypass Included		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
Water Pressure Range (PSI)		20 - 100	20 - 100	20 - 100
Water Operating Temperature Range (°F)		35 - 100	35 - 100	35 - 100
Influent Maximum Water Hardness (GPG)		100	100	100
Influent Maximum Ferrous Iron (PPM) ²		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
Plug-In Power Adapter Output (VDC - A)		15V DC - 0.5A	15V DC - 0.5A	15V DC - 0.5A
Plug-In Power Adapter Cord Length		15 FT	15 FT	15 FT
PC Board Relay Terminal Block DC Output (V)		12V DC	12V DC	12V DC
3 Volt Lithium Coin Cell Battery (Type)		2032	2032	2032
Service Flow Rate at 15 PSI Pressure Drop (GPM) ³		22	19	23
Overall Height (Inches)		47.6	61.4	55.5
Mineral Tank Size: Diameter x Height (Inches)		10 x 40	10 x 54	12 x 48
Bottom Distributor Type		Plate	Plate	Plate
Top Basket Distributor		Yes	Yes	Yes
Amount of Resin (Cubic Feet)		1.0	1.5	2.0
Brine Tank Size (Inches)		15 x 17 x 36 ⁴	15 x 17 x 36 ⁴	15 x 17 x 36 ⁴ (Salt Grid)
Brine Tank Capacity (LBS salt)		275	275	275
Drain Line Flow Control (GPM)		1.7	1.7	2.7
Brine Line (Re-Fill) Flow Control (GPM)		0.5	0.5	0.5
Injector (Color)		IE - White	IE - White	IF - Blue
Grains Capacity (Grains @ LBS salt)	High	32,000 @ 15.0	48,000 @ 22.5	64,000 @ 30.0
	Medium ⁵	24,000 @ 8.0	36,000 @ 12.0	48,000 @ 16.0
	Low	17,000 @ 4.5	25,500 @ 6.75	34,000 @ 9.0
Water to Drain at 50 PSI Inlet Pressure (Gallons)	High	66.0	68.5	103.3
	Medium ⁵	63.7	65.0	98.6
	Low	62.5	63.3	96.3

¹1.25 MNPT 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; salt grid may be required - 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