



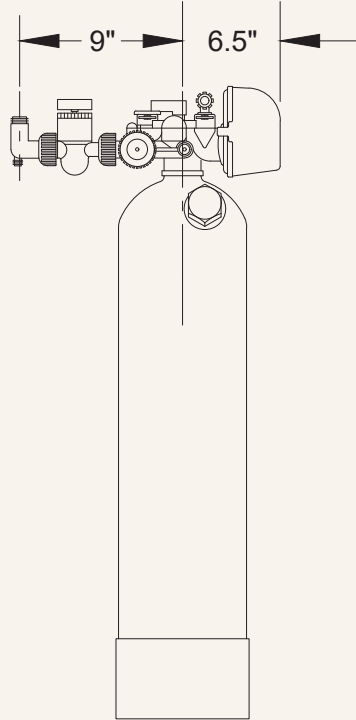
LANCASTER

WATER TREATMENT

BRONZE LINE LETDAN - ACID NEUTRALIZERS

X-FACTOR SERIES LETDAN ACID NEUTRALIZERS

OUTLET SIDE VIEW
SHOWN WITH BYPASS AND
1.0 MNPT ELBOW ASSEMBLY
AND TANK DOME PLUG



FRONT VIEW



LETDAN FIXED CYCLES OF OPERATION		ACID NEUTRALIZER (CALCITE) FILTER							
Model Number	7-LETDAN-1B		7-LETDAN-1.5B		7-LETDAN-2B		7-LETDAN-3B		
Program	P7		P8		P8		P9		
Units:	Minutes	Gallons	Minutes	Gallons	Minutes	Gallons	Minutes	Gallons	
1st Cycle: Backwash (C1)	6	39	10	65	10	100	14	140	
2nd Cycle: Rinse (C4)	4	26	6	39	6	60	8	80	
Total Gallons to Drain	65		104		160		220		
Total Minutes	10		16		16		22		
Days Between Backwash*	7		7		7		7		

*Factory Program Setting. Days between backwash can be field adjusted based on local conditions. Refer to manual.

X-FACTOR SERIES LETDAN ACID NEUTRALIZERS

LETDAN SPECIFICATIONS		ACID NEUTRALIZER (CALCITE) FILTER			
Model Number		7-LETDAN-1B	7-LETDAN-1.5B	7-LETDAN-2B	7-LETDAN-3B
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
Bypass Included		Yes	Yes	Yes	Yes
Drain Fitting Elbow NPT (Inches)		3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT
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
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 (FT)		15 FT	15 FT	15 FT	15 FT
3 Volt Lithium Coin Cell Battery (Type)		2032	2032	2032	2032
Amount of Calcite (Cubic Feet) ²		1	1.5	2	3
Service Flow Rates (GPM) ³	Continuous	2.7	2.7	4.6	4.6
	Intermittent (Peak)	5.5	5.5	9.2	9.2
Overall Height (Inches)		54.5	61.7	62.3	72.4
Mineral Tank Size: Diameter x Height (Inches)		10 x 47	10 x 54	13 x 54	13 x 65
Mineral Tank Dome Plug and O-Ring		Yes	Yes	Yes	Yes
Bottom Distributor Type		Stack - II Segment	Stack - II Segment	Stack - II Segment	Stack - II Segment
Top Basket Distributor		No	No	No	No
Support Bedding		Yes	Yes	Yes	Yes
Drain Line Flow Control (GPM)		6.5	6.5	10	10
Water to Drain (Gallons)		65	104	160	220

¹1.0 MNPT Elbow Standard - Options Available

²Mineral used: Calcite (16 x 40 mesh size) is a crushed and screened grey-white marble media which can inexpensively be used to neutralize acidic or low pH waters to a neutral, less corrosive effluent. Calcite is a naturally occurring calcium carbonate media. One of the advantages of Calcite is its self-limiting property. When properly applied, it corrects pH only enough to reach a non-corrosive equilibrium. It does not overcorrect under normal conditions. Upon contact with Calcite, acidic waters slowly dissolve the calcium carbonate to raise the pH which reduces the potential leaching of copper, lead and other metals found in typical plumbing systems. Periodic backwashing will prevent packing, reclassify the bed and maintain high service rates. Depending on pH, water chemistry and service flow, the Calcite bed will have to be periodically replenished as the Calcite is depleted. As the Calcite's calcium carbonate neutralizes the water, it will increase hardness and a softener may become necessary after the neutralizing filter. Calcite can be effectively combined with Corosex to combine the high flow neutralization properties of Corosex, along with the slower reacting low flow properties of Calcite, increasing the ability to correct low pH (see LETDANSM Super Mix models). Calcite does not require chemicals for regeneration, only periodic backwashing is required. The mineral bed should be backwashed periodically to eliminate accumulated suspended matter and re-grade the bed.

Influent Limitations and Operating Parameters:

Calcite will neutralize acidic water pH as low as 6.0.

For pH range of 5.5 to 5.9, Super Mix (80% Calcite & 20% Corosex) is recommended.

For pH below 5.5, consult factory.

³Basis for Service Flow Rates:

Continuous - 5 GPM/SQ. FT.

Intermittent (Peak) - 10 GPM/SQ. FT.

Higher flow rates are possible, however lower flow rates produce higher quality water.