

Technical Data Leakage Compensation S

Purge Calculator & Timetable for LC Systems

I. For exact "minimum" purge times, use the CALCULATOR below:

Volume in Cubic Feet X 4 Volume Exchanges / High Purge Flow Rate = Purge Time (Min & Sec)
Simply Enter Your Parameters in the respective data column below & let the program do the work.

DATA

15	<<< Enter Enclosure Size in Cubic Feet here.
4	<<< 4 Volume Changes (VC) per NFPA (See Note)
8	<<< Enter High Purge Flow Rate of specific Model (Select 8, 16, or 32) Model 1XLC = 8; Model 2XLC = 16; Model 3XLC = 32

Purge Time = **7 30/60** <<< This is your exact minimum Purge Time in Minutes and Seconds.

NOTE: Replace 4 VC with 10 Internal Free Volume Changes for Motors, and 5 for IEC

II. For a "Quick Reference" to your Purge Time requirements, use the table below:

High Purge Flow Rate in SCFM: 8, 16, or 32

	8	16	32		16	32
5	3			90	23	12
10	5			95	24	12
15	8			100	25	13
20	10			110	28	14
25	13	7		120	30	15
30	15	8		130		17
35	18	9		140		18
40	20	10		150		19
45	23	12	6	160		20
50	25	13	7	170		22
55	28	14	7	180		23
60	30	15	8	190		24
65		17	9	200		25
70		18	9	210		27
75		19	10	220		28
80		20	10	230		29
85		22	11	240		30

(Times above are in Minutes rounded to the next highest)

Key: Grey Shaded Area- Purge Times are greater than 30 minutes.
Yellow Shaded Area- Purging with Higher Flow Rate Systems (16,& 32 SCFM) will use higher quantities of purge medium (protective gas). User should be aware of this and use

Note: The information on this data sheet is meant to be used as a guide. For additional information on Purge Times and Flow Rates please refer to Instruction Manual ML-306, Pages 14, 15, and 16 for 'X' Purge Systems and Instruction Manual ML-307, Sections 6.6.6 through 6.6.8 for 'Y' or 'Z' Purge Systems.

Note: For Continuous Flow (CF) Systems see: **"Purge Calculator & Timetable for CF Systems"**

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