Technical Data Sh
Continuous Flow Sys

Purge Calculator & Timetable for CF Systems

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

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

DATA

DATA	
2	<<< Enter Enclosure Size in Cubic Feet here.
4	<<< 4 Volume Changes (VC) per NFPA (**See Note**)
2.3	<<< Enter Orifice Size in SCFM. Select from 0.4, 0.9, 1.4, 2.3, 3.2, 4.8, 6.4, or 8.0

Purge Time = **3 29/60** **<<<** This is your exact minimum Purge Time in Minutes and Seconds.

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

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

Flow Rate in SCFM

Enclosure Size in Cu. Ft.

	0.4	**0.9**	**1.4**	**2.3**	**3.2**	**4.8**	**6.4**
Orifice Number/Size	#1	#2	#3	#4	#5	#6	#7
1	10	5	3	2	2		
2	20	9	6	4	3	2	2
3	30	14	9	6	4	3	2
4		18	12	7	5	4	3
5		23	15	9	7	5	4
6		27	18	11	8	5	4
7			20	13	9	6	5
8			23	14	10	7	5
9			26	16	12	8	6
10			29	18	13	9	7
11				20	14	10	7
12				21	15	10	8
13				23	17	11	9
14				25	18	12	9
15				27	19	13	10
16				28	20	14	10
17				30	22	15	11

(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 Orifice Sizes 5, 6, 7,and 8 will use higher quantities of purge medium (protective gas). User should be aware of this and use cautic

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

Note: For Leakage Compensation (LC) Systems see: **"Purge Calculator & Timetable for I**

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