



MAXIMUM RECOMMENDED EQUIVALENT PIPE LENGTHS, IN FEET, FOR A LOW-PRESSURE LIQUID CARBON DIOXIDE CIRCULATING LOOP AT -20° F. TO 0° F.

I.D. OF LINE IN INCHES	FLOW RATE IN USGPM							
	5	6	8	10	12	15	20	30
0.30	7	5	3	2	1	1	0	0
0.40	35	25	14	9	6	4	2	1
0.50	120	83	31	30	21	13	8	3
0.65	450	310	176	112	78	50	28	12
0.75	925	642	361	232	160	103	58	26
1.00	4000	2750	1560	1000	695	445	250	110
1.25	6250	4300	2440	1560	1080	695	390	173
1.50	9000	6250	3500	2250	1560	1000	580	250
2.00	16000	11670	6150	4000	2780	1700	1000	443

For raising CO₂ to elevations: 1 PSI = 2.29 average Ft. of Head***
 1 Ft. of Head = 0.439 average PSI***

NOTE: The indicated lengths should be considered as "average equivalent pipe lengths", to be used as a *general guide only*. Proper system design requires specific figures for the appropriate engineering study.

***Actually, these figures will vary somewhat within the specified temperature range: 1 PSI = 2.24 - 2.33 Ft. of Head, and 1 Ft. of Head = 0.430 - 0.447 PSI. Also, increasing contamination over a period of time is known to cause additional flow resistance.



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