Halotron II Total Flooding Quantity Table (SI Units)[a]

Temperature	Specific Vapor Volume	Weight Requirement of Hazard Volume W/V (kg/m^3)[b]								
t	s	Concentration (% by Volume)[e]								
(°C)[c]	(m^3/kg)[d]	8	9	10	11	12	13	14	15	16
-40	0.1812	0.4799	0.5458	0.6132	0.6821	0.7526	0.8246	0.8984	0.9739	1.0512
-30	0.1902	0.4572	0.5200	0.5842	0.6498	0.7169	0.7856	0.8559	0.9278	1.0015
-20	0.1992	0.4365	0.4965	0.5578	0.6205	0.6846	0.7501	0.8172	0.8859	0.9562
-10	0.2082	0.4177	0.4750	0.5337	0.5936	0.6550	0.7177	0.7819	0.8476	0.9149
0	0.2172	0.4004	0.4553	0.5116	0.5690	0.6278	0.6880	0.7495	0.8125	0.8770
10	0.2262	0.3844	0.4372	0.4912	0.5464	0.6028	0.6606	0.7197	0.7802	0.8421
20	0.2352	0.3697	0.4205	0.4724	0.5255	0.5798	0.6353	0.6921	0.7503	0.8098
30	0.2442	0.3561	0.4050	0.4550	0.5061	0.5584	0.6119	0.6666	0.7226	0.7800
40	0.2532	0.3434	0.3906	0.4388	0.4881	0.5386	0.5901	0.6429	0.6970	0.7523
50	0.2622	0.3316	0.3772	0.4238	0.4714	0.5201	0.5699	0.6209	0.6730	0.7265
60	0.2712	0.3206	0.3647	0.4097	0.4557	0.5028	0.5510	0.6003	0.6507	0.7023
70	0.2802	0.3103	0.3530	0.3965	0.4411	0.4867	0.5333	0.5810	0.6298	0.6798
80	0.2892	0.3007	0.3420	0.3842	0.4274	0.4715	0.5167	0.5629	0.6102	0.6586
90	0.2982	0.2916	0.3317	0.3726	0.4145	0.4573	0.5011	0.5459	0.5918	0.6388
100	0.3072	0.2831	0.3219	0.3617	0.4023	0.4439	0.4864	0.5299	0.5744	0.6200
110	0.3162	0.2750	0.3128	0.3514	0.3909	0.4313	0.4726	0.5148	0.5581	0.6024
120	0.3252	0.2674	0.3041	0.3417	0.3801	0.4193	0.4595	0.5006	0.5427	0.5857
130	0.3342	0.2602	0.2959	0.3325	0.3698	0.4080	0.4471	0.4871	0.5280	0.5699
140	0.3432	0.2534	0.2882	0.3238	0.3601	0.3973	0.4354	0.4743	0.5142	0.5550
150	0.3522	0.2469	0.2808	0.3155	0.3509	0.3872	0.4243	0.4622	0.5011	0.5408
160	0.3612	0.2407	0.2738	0.3076	0.3422	0.3775	0.4137	0.4507	0.4886	0.5273
170	0.3702	0.2349	0.2672	0.3001	0.3339	0.3684	0.4036	0.4397	0.4767	0.5145
180	0.3792	0.2293	0.2608	0.2930	0.3259	0.3596	0.3941	0.4293	0.4654	0.5023
190	0.3882	0.2240	0.2548	0.2862	0.3184	0.3513	0.3849	0.4193	0.4546	0.4907
200	0.3972	0.2189	0.2490	0.2797	0.3112	0.3433	0.3762	0.4098	0.4443	0.4795

[a] The manufacturer's listing specifies the temperature range for operation.

[b] W/V [Agent Weight Requirement (kg/m^3)] = kilograms of agent required per cubic meter of protected volume to produce indicated concentration at temperature specif

$$W = \frac{V}{s}\left(\frac{C}{100 - C}\right)$$

[c] t [temperature (°C)) - The design temperature in the hazard area.

[d] s [specific volume (m^3/kg)] = specific volume of superheated Halotron II vapor can be approximated by the formula:

$$s = 0.2172 + 0.0009t$$

[e] C [concentration (%)] = volumetric concentration of Halotron II in air at the temperature indicated.