

CONCENTRATION TABLE C Series



HFC-227ea 7.0% Design Concentration

Temp (°C)	Maximum volume coverage in m ³ with 7.0% design concentration									
	1 KG	2 KG	4 KG	5 KG	6 KG	8 KG	9 KG	12 KG	14 KG	16 KG
-20	1.55	3.10	6.20	7.75	9.30	12.40	13.95	18.60	21.69	24.79
-15	1.58	3.17	6.33	7.92	9.50	12.67	14.25	19.00	22.17	25.34
-10	1.62	3.24	6.47	8.09	9.71	12.94	14.56	19.41	22.65	25.88
-5	1.65	3.30	6.61	8.26	9.91	13.21	14.87	19.82	23.13	26.43
0	1.69	3.37	6.74	8.43	10.12	13.49	15.17	20.23	23.60	26.98
5	1.72	3.44	6.88	8.60	10.32	13.76	15.48	20.64	24.08	27.52
10	1.75	3.51	7.02	8.77	10.52	14.03	15.79	21.05	24.56	28.07
15	1.79	3.58	7.15	8.94	10.73	14.31	16.09	21.46	25.03	28.61
20	1.82	3.64	7.29	9.11	10.93	14.58	16.40	21.87	25.51	29.16
25	1.86	3.71	7.43	9.28	11.14	14.85	16.71	22.28	25.99	29.70
30	1.89	3.78	7.56	9.45	11.34	15.12	17.01	22.69	26.47	30.25
35	1.92	3.85	7.70	9.62	11.55	15.40	17.32	23.09	26.94	30.79
40	1.96	3.92	7.83	9.79	11.75	15.67	17.63	23.50	27.42	31.34
45	1.99	3.99	7.97	9.96	11.96	15.94	17.93	23.91	27.90	31.88
50	2.03	4.05	8.11	10.13	12.16	16.21	18.24	24.32	28.38	32.43
55	2.06	4.12	8.24	10.30	12.37	16.49	18.55	24.73	28.85	32.97

Class A Fires*	6.7 %
Electrical Fires*	7.0 %
Class B and C Fires (%)	
1-Propane	10.0
2.butoxyethanol	9.0
Acetone	10.0
Acetonitrille	7.0
Benzene	9.5
Commercial Heptane	8.7
Commercial Hexanes	9.0
Crude Oil	8.5
Cyclohexane	9.4
Cyclopentanone	9.6
Denatured Alcohol	9.8
Diesel fuel	8.7
Diethyl Ether	9.8
Ethanol	12.6
Ethyl Acetate	8.9
Gasoline-87 Octane Unleaded	9.0
Hexene	7.6
Hydraulic Fluid	8.5
Hydraulic Oils	7.7
Isopropanol	9.8
JP 4	9.0
JP 5	9.0
Kerosene	9.6
Methane	7.2
Methanol	15.2
Methyl Ethyl Ketone	9.6
Methyl Isobutyl Ketone	9.1
Methyl Tert Butyl Ether	8.8
n-Heptane	9.6
n-Pentane	8.8
Propane	8.7
Pyrrolidine	9.5
Tetrahydrofuran	9.6
Toluene	7.6
Transformer Oil	9.5
1-Butane	8.6
Xylene	7.8



System BlazeCut is designed to protect of equipment in closed spaces. Use in partially or completely open spaces or spaces with strong air circulation may significantly decrease the efficiency of the system. For more information about use of the system if people are constantly present in the protected area contact your supplier.



The BlazeCut system is primarily designed for small enclosed areas and equipment where people are not normally present. Although the extinguishing agent is not toxic or poisonous, unnecessary excessive exposure of persons to its influence should be avoided. Under no circumstances should persons be exposed to the extinguishing agent for more than 5 minutes even if an extinguishing concentration is not exceeding LOAEL level.

*Minimum design concentration according to NFPA 2001, 2018 Edition

CONCENTRATION TABLE C Series



HFC-227ea 9% Design Concentration

Temp (°C)	Maximum volume coverage in m ³ with 9.0 % design concentration									
	1 KG	2 KG	4 KG	5 KG	6 KG	8 KG	9 KG	12 KG	14 KG	16 KG
-20	1.18	2.36	4.72	5.90	7.08	9.43	10.61	14.15	16.51	18.87
-15	1.21	2.41	4.82	6.03	7.23	9.64	10.85	14.46	16.87	19.28
-10	1.23	2.46	4.92	6.16	7.39	9.85	11.08	14.77	17.24	19.70
-5	1.26	2.51	5.03	6.29	7.54	10.06	11.31	15.09	17.60	20.11
0	1.28	2.57	5.13	6.42	7.70	10.26	11.55	15.40	17.96	20.53
5	1.31	2.62	5.24	6.55	7.85	10.47	11.78	15.71	18.33	20.94
10	1.33	2.67	5.34	6.67	8.01	10.68	12.01	16.02	18.69	21.36
15	1.36	2.72	5.44	6.80	8.17	10.89	12.25	16.33	19.05	21.77
20	1.39	2.77	5.55	6.93	8.32	11.09	12.48	16.64	19.42	22.19
25	1.41	2.83	5.65	7.06	8.48	11.30	12.72	16.95	19.78	22.60
30	1.44	2.88	5.75	7.19	8.63	11.51	12.95	17.26	20.14	23.02
35	1.46	2.93	5.86	7.32	8.79	11.72	13.18	17.58	20.51	23.43
40	1.49	2.98	5.96	7.45	8.94	11.92	13.42	17.89	20.87	23.85
45	1.52	3.03	6.07	7.58	9.10	12.13	13.65	18.20	21.23	24.26
50	1.54	3.09	6.17	7.71	9.26	12.34	13.88	18.51	21.60	24.68
55	1.57	3.14	6.27	7.84	9.41	12.55	14.12	18.82	21.96	25.10

Class A Fires*	6.7 %
Electrical Fires*	7.0 %
Class B and C Fires (%)	
1-Propane	10.0
2.butoxyethanol	9.0
Acetone	10.0
Acetonitrille	7.0
Benzene	9.5
Commercial Heptane	8.7
Commercial Hexanes	9.0
Crude Oil	8.5
Cyclohexane	9.4
Cyclopentanone	9.6
Denatured Alcohol	9.8
Diesel fuel	8.7
Diethyl Ether	9.8
Ethanol	12.6
Ethyl Acetate	8.9
Gasoline-87 Octane Unleaded	9.0
Hexene	7.6
Hydraulic Fluid	8.5
Hydraulic Oils	7.7
Isopropanol	9.8
JP 4	9.0
JP 5	9.0
Kerosene	9.6
Methane	7.2
Methanol	15.2
Methyl Ethyl Ketone	9.6
Methyl Isobutyl Ketone	9.1
Methyl Tert Butyl Ether	8.8
n-Heptane	9.6
n-Pentane	8.8
Propane	8.7
Pyrrolidine	9.5
Tetrahydrofuran	9.6
Toluene	7.6
Transformer Oil	9.5
1-Butane	8.6
Xylene	7.8



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CONCENTRATION TABLE C Series



Novec 1230 (FK-5-1-12) 4.5% Design concentration

Temp (°C)	Maximum volume coverage in m ³ with 4.5 % design concentration								
	1 KG	2 KG	3 KG	5 KG	8KG	12 KG	14 KG	16 KG	18 KG
-20	1.29	2.59	3.88	6.46	10.34	15.51	18.10	20.69	23.27
-15	1.32	2.64	3.97	6.61	10.58	15.86	18.51	21.15	23.79
-10	1.35	2.70	4.05	6.75	10.81	16.21	18.91	21.62	24.32
-5	1.38	2.76	4.14	6.90	11.04	16.56	19.32	22.08	24.84
0	1.41	2.82	4.23	7.05	11.27	16.91	19.73	22.55	25.36
5	1.44	2.88	4.31	7.19	11.51	17.26	20.14	23.01	25.89
10	1.47	2.93	4.40	7.34	11.74	17.61	20.54	23.48	26.41
15	1.50	2.99	4.49	7.48	11.97	17.96	20.95	23.94	26.94
20	1.53	3.05	4.58	7.63	12.20	18.31	21.36	24.41	27.46
25	1.55	3.11	4.66	7.77	12.44	18.65	21.76	24.87	27.98
30	1.58	3.17	4.75	7.92	12.67	19.00	22.17	25.34	28.51
35	1.61	3.23	4.84	8.06	12.90	19.35	22.58	25.80	29.03
40	1.64	3.28	4.93	8.21	13.13	19.70	22.99	26.27	29.55
45	1.67	3.34	5.01	8.35	13.37	20.05	23.39	26.73	30.08
50	1.70	3.40	5.10	8.50	13.60	20.40	23.80	27.20	30.60
55	1.73	3.46	5.19	8.65	13.83	20.75	24.21	27.67	31.12
60	1.76	3.52	5.27	8.79	14.07	21.10	24.61	28.13	31.65

Class A Fires*	4.5 %
Electrical Fires*	4.5 %
Class B and C Fires* (%)	
1-Butane	6.4
1-Propanol	7.0
2-butoxyethanol	6.8
Acetone	5.6
Acetonitrile	4.2
Commercial Heptane	5.7
Commercial Hexanes	5.6
Cyclohexane	5.9
Cyclopentanone	6.0
Denatured Alcohol	6.9
Diesel fuel	4.4
Diethyl Ether	6.4
Ethanol	7.2
Ethyl Acetate	6.1
Gasoline-87 Octane Unleaded	5.9
Hexene	6.0
Isopropanol Alcohol	6.4
Methane	7.3
Methanol	8.5
Methyl Ethyl Ketone	5.9
Methyl Isobutyl Ketone	5.7
Methyl Tert Butyl Ether	6.0
n-Heptane	5.9
n-Pentane	6.1
Propane	7.5
Pyrrolidine	6.1
Tetrahydrofuran	6.5
Toluene	4.6
Transformer Oil	5.9
2.2.4-trimethylpentane	6.1
Isooctane	6.1



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