



## U.S. COAST GUARD APPROVED FIRE EXTINGUISHERS

In 1982 the Department of Transportation—United States Coast Guard declared itself out of the fire extinguisher testing and approval business. Quite simply it stated that UL, in their listing and rating process, had been subjecting extinguishers to testing sufficient to qualify them for “Marine” approval. Since that time others have been recognized by the Coast Guard as “independent laboratories” for testing and listing portable fire extinguishers. No matter which laboratory is involved, identification is simplified because all “marine type” extinguishers must have the Coast Guard classification system marking and approval number on the nameplate (label) [i.e. “Marine Type USCG Type Approval No. 162.028/----”].

All extinguishers must be “restrained” in mounting brackets of the marine or motor vehicle type which have been subjected to the same rigid salt spray and vibration tests as the extinguishers (wall type brackets are not acceptable). **UL requires that the model or part number of the bracket in which the extinguisher was tested for its marine listing be noted on the extinguisher nameplate (label).**

Coast Guard regulations do not allow the use of hand portable stainless steel fire extinguishers, therefore Stored Pressure Water extinguishers are not approved and only the Class K extinguishers labeled Coast Guard approved are approved.



All motorboats (recreation vessels less than 65 ft. in length propelled by machinery) shall carry the quantity of Type B, Size I extinguishers noted in the table below.



The following chart relates Coast Guard classifications to types and sizes of extinguishers:

Coast Guard Classification		Dry Chemical (Pounds)	Carbon Dioxide (Pounds)
Type	Size	TABLE 1	
A	II	5	
B:C	I	2	5
B:C	II	10	15
B:C	III	20	35
B:C	IV	30	50
B:C	V	50	100

Note: One B-II extinguisher may be substituted for two B-I extinguishers.

**Type A, Size II** extinguishers will be specified on “Motor Vessels” (Any vessel more than 65 ft. in length not propelled by steam). They are required only for accommodation and service areas on inspected vessels carrying fare paying passengers.

**Type B:C, Size III** and **Type B:C, Size V** extinguishers will be specified for certain areas of “Motor Vessels”. These areas include oil fired boilers, internal combustion or gas turbine propelling machinery and fuel storage spaces (high Class B and C hazards).

The performance requirements for fire extinguishers were updated in 2016 from the Type/Size classification displayed in Table 1 to a Class B UL Classification shown in Table 2. At least one 5-B UL rated fire extinguisher is now necessary to meet the minimum Coast Guard requirements listed in the Table 2. Note that the quantity changes when there is a fixed fire extinguishing system installed in the machinery (engine) space.

Class of Motor Boat	Length (Feet)	Minimum number of 5-B Portable Extinguishers Required:	
TABLE 2		Without Fixed System	With Fixed System
A	Under 16	1	0
1	16 and over, but under 26	1	0
2	26 and over, but under 40	2	1
3	40 and over, but not over 65	3	2

Note: One 20-B extinguisher may be substituted for two 5-B extinguishers.

**Table 1** can still apply to recreational vessels built model year 2017 or earlier.

Note: An extinguisher that was previously installed is not required to be replaced if they are maintained in good and serviceable condition.

**Table 2** applies to recreational vessels built model year 2018 to present.

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The U.S. Coast Guard (USCG) establishes regulatory standards for fire extinguishers on all vessels in the Code of Federal Regulations (CFR). These requirements vary based on vessel classification—either recreational or commercial.

► **Recreational Vessels:** Standards are specified in 33 CFR Part 175, Subpart E as illustrated in the tables 1 and 2, on reverse.

► **Commercial Vessels:** Both inspected and uninspected vessels are addressed in specific subchapters of 46 CFR Chapter I.



Title 46, Chapter 1		
Commercial Vessel Type	Subchapter	Subpart
Uninspected	C	25.01
Barges Carrying Passengers	C	25.30
Towing	C	27.303, 27.305
	M	142.23
Commercial Fishing Industry	C	28.160
Tank	D	34.50
Passenger	H	76.50
Small Passenger (Under 100 Gross Tons)	K	118.500
Small Passenger (More than 150 Passengers)	E	181.500
Cargo and Miscellaneous	I	95.50
Mobile Offshore Drilling Units	I-A	108.491
Offshore Supply	L	132.220
Oceanographic Research	U	193.50

USCG Approved Extinguishers & Brackets				
	Agent / Size	Model	UL Rating	USCG Bracket
Wet Chemical	6 Liter	C260CG	2A:K	810CG
	2.5 Gallon	C262CG	2A:K	810CG
Halotron I	5 LB.	B386T	5B:C	818, 821, 861H
	11 LB.	397	1A:10B:C	812
	15.5 LB.	398	2A:10B:C	812
ABC Dry Chemical	2.5 LB.	B417 / B417T	1A:10B:C	817
	5 LB.	B500 / B500T	2A:10B:C	818, 821, 861H
	5 LB.	B424	2A:10B:C	821, 861H
	5 LB.	B402 / B402T	3A:40B:C	818, 821, 861H
	6 LB.	B443	3A:40B:C	808, 809, 895
	6 LB.	B461	3A:40B:C	808, 809, 895
	10 LB.	B456	4A:80B:C	809, 895
	10 LB.	B441	4A:80B:C	809, 895
	20 LB.	A411	10A:120B:C	810
Purple K Dry Chemical	20 LB.	423	10A:120B:C	810
	2.5 LB.	B410T	10B:C	817
	5 LB.	B479 / B479T	30B:C	818, 821, 861H
	10 LB.	B460	80B:C	809, 895
	20 LB.	A413	120B:C	810
Carbon Dioxide	20 LB.	415	120B:C	810
	5 LB.	322	5B:C	809
	10 LB.	330	10B:C	810
	15 LB.	331	10B:C	810
Z-Series	20 LB.	332	10B:C	811
	13.2 LB. (ABC) - Fast	790	2A:40B:C	810, 810G
	20 LB. (ABC) - Fast	791	4A:40B:C	810, 810G
	30 LB. (ABC) - Fast	792	4A:40B:C	811, 811G
	13.2 LB. (PK) - Fast	793	40B:C	810, 810G
	20 LB. (PK) - Fast	795	20B:C	810, 810G
	20 LB. (PK) - Fast	794	40B:C	810, 810G
	30 LB. (PK) - Fast	796	40B:C	811, 811G
	10 LB. (ABC) - Comp.	711	4A:80B:C	809, 809G
	13.2 LB. (ABC) - Comp.	713	4A:80B:C	810, 810G
	20 LB. (ABC) - Comp.	714	10A:120B:C	810, 810G
	30 LB. (ABC) - Comp.	715	10A:160B:C	811, 811G
	10 LB. (PK) - Comp.	712	80B:C	809, 809G
	13.2 LB. (PK) - Comp.	716	80B:C	810, 810G
	20 LB. (PK) - Comp.	717	120B:C	810, 810G
High Flow Dry Chemical	30 LB. (PK) - Comp.	718	160B:C	811, 811G
	10 LB. (ABC)	720	1A:20B:C	809, 895
	20 LB. (ABC)	760	4A:60B:C	810, 810G
	10 LB. (PK)	722	20B:C	809, 895
Class D Dry Powder	20 LB. (PK)	762	60B:C	810, 810G
	30 LB.	C571	D	810

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