

[INCH-POUND]
A-A-393A
October 2, 1996
SUPERSEDES
A-A-393
September 27, 1979

COMMERCIAL ITEM DESCRIPTION

EXTINGUISHER, FIRE, DRY CHEMICAL (HAND PORTABLE)

The General Services Administration has authorized the use of this commercial item description by all federal agencies.

1. SCOPE

1.1 Scope. This commercial item description (CID) covers dry chemical hand portable fire extinguishers.

2. CLASSIFICATION

2.1 Classification. The extinguishers shall be the following types, classes and sizes:

Type I - Stored pressure, refillable.
Type II - Gas cartridge operated, refillable.
Type III - Stored pressure, non-refillable, disposable.

Class 1 - For classes A, B and C type fires (multipurpose phosphate).
Class 2 - For classes B and C type fires (potassium bicarbonate).

Size 2-1/2 - 2-1/2 lbs (1.1 kg)
Size 5 - 5 lbs (2.3 kg)
Size 10 - 10 lbs (4.5 kg)
Size 20 - 20 lbs (9.1 kg)
Size 30 - 30 lbs (13.6 kg)

3. SALIENT CHARACTERISTICS

3.1 General. The extinguishers shall meet the requirements of Underwriter's Laboratory (UL) 299 Standard for Dry Chemical Fire Extinguishers. The size shall indicate the amount of extinguishing agent, in pounds (kilograms), contained within the container, with a tolerance of -0, +20%. The extinguishers shall be US Coast Guard approved and shall be marked with the appropriate "Marine Type" designation and "Shape Symbol Code". The type I and II extinguishers shall be constructed to be refilled and reused without replacement of more than sealing devices. The type III shall be non-refillable, intended for one use only. Type I & III shall contain the propellant within the container. Type II shall have an attached, replaceable propellant cartridge.

3.2 Chemical charge. The class 1 extinguishers shall be charged with multipurpose phosphate. The class 2 extinguishers shall be charged with potassium bicarbonate.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to:
General Services Administration, Engineering Group (7FXEE), 819 Taylor Street, Fort Worth, TX 76102.

FSC 4210

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3.3 Ratings. The extinguishers shall be rated to the capabilities listed in Table I, as a minimum, in accordance with UL 711 Standard for Fire Extinguisher, Ratings and Fire Testing of. The extinguisher shall be plainly marked with it's actual rating in accordance with UL 299.

Table I, Minimum Ratings

Size, lbs (kg)	Class 1	Class 2
2-1/2 (1.1)	1A:10B:C	10B:C
5 (2.3)	2A:10B:C	30B:C
10 (4.5)	4A:60B:C	60B:C
20 (9.1)	20A:120B:c	120B:C
30 (13.6)	20A:160B:C	160B:C

3.4 Mounting brackets. Each extinguisher shall be supplied with a mounting bracket suitable for mounting the extinguisher to a vertical surface. When specified, the extinguisher shall be supplied with a vehicle mounting bracket suitable for use in vehicle. Vehicle brackets for the type I and II extinguishers shall be US Coast Guard approved for use with the accompanying extinguisher.

3.5 Material Safety Data Sheets (MSDS). Each shipment of fire extinguishers shall be shipped with MSDS in accordance with ASTM E 1628.

3.6 Workmanship. The fire extinguishers shall be produced with quality workmanship, cleanly painted, and shall show no evidence of corrosion, or other defect that affects appearance or may affect serviceability or durability. The labels shall be legible and securely attached.

3.7 Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, providing they fall within tolerances specified and all other requirements of this document are met.

3.8 Commercial item. The use of the term "commercial item" in this document does not imply that any item or items offered are not required to conform with all requirements specified herein.

4. REGULATORY REQUIREMENTS.

4.1 Regulatory requirements. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. QUALITY ASSURANCE PROVISIONS

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, shall conform to the producer's own drawings, specifications, standards, and quality assurance practices, and shall be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

6. PACKAGING, PACKING AND MARKING

6.1 Packaging, packing and marking. The packaging, packing, and marking shall be as specified in the contract or order.

7. NOTES

7.1 Ordering data. Purchases should select the preferred options permitted herein and include the following information in procurement documents:

- a. Title, number, and date of this CID.
- b. Type, class and size.
- c. The packaging, packing and marking desired

7.2 Part Identification Number (PIN). This part numbering system is intended for identification and cross-indexing of the item by the government only and does not constitute a requirement for the contractor.

Example: AA393 - A 1 C

A	1	C	Size - A = 2-1/2 lbs
			B = 5 lbs
			C = 10 lbs
			D = 20 lbs
			E = 30 lbs
			Class - 1 = class 1
			2 = class 2
			Type - A = type I
			B = type II
			C = Type III

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7.4 National Stock Numbers. The following NSNs (with the appropriate part number) are known to use this document:

<u>NSN</u>	<u>Type, Class, Size</u>	<u>Part Number</u>
4210-00-165-4703	I 1 5 lbs	AA393-A1B
4210-00-775-0127	I 2 5 lbs	AA393-A2B
4210-00-889-2221	III 2 2-1/2 lbs	AA393-C2A
4210-00-889-2491	I 1 10 lbs	AA393-A1C
4210-00-889-2492	I 1 20 lbs	AA393-A1D
4210-00-965-1105	I 2 2-1/2 lbs	AA393-A2A
4210-00-965-1107	I 2 10 lbs	AA393-A2C
4210-00-965-1108	I 2 20 lbs	AA393-A2D
4210-00-965-1116	II 1 10 lbs	AA393-B1C
4210-00-965-1117	II 1 20 lbs	AA393-B1D
4210-00-965-1118	II 1 30 lbs	AA393-B1E
4210-01-290-0755	II 2 20 lbs	AA393-B2D

7.5 Referenced documents.Underwriters Laboratories (UL)

299 - Standard for Dry Chemical Fire Extinguishers

711 - Standard for Fire Extinguishers, Rating and Fire Testing of

Underwriters Laboratories (UL) documents are available from Underwriters Laboratories, Inc., 333 Pfingsten Road, Northbrook, IL 60062.

ASTM

E 1628 - Standard Practice for Preparing Material Safety Data Sheets to Include Transportation and Disposal Data for the General Services Administration

Preparing Activity:

GSA - FSS