



## GBAR.GuideInfo Dry-chemical Extinguishers, Hand and Wheeled

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### [Extinguishers and Extinguishing System Units] Dry-chemical Extinguishers, Hand and Wheeled

[See General Information for Extinguishers and Extinguishing System Units](#)

#### GENERAL

This category covers hand and wheeled dry-chemical extinguishers, which are portable appliances of the stored pressure, cartridge or cylinder-operated type intended for operation over a temperature range of -40°F to 120°F unless otherwise indicated in the individual certifications. Stored-pressure-type extinguishers have dry air, nitrogen, or other expellant gases stored in a single chamber with the dry chemical. Cartridge or cylinder-operated type have carbon dioxide or nitrogen stored in an expellant gas cartridge or cylinder in a chamber separated from the dry chemical.

Hand-held portable extinguishers are provided with a self-closing shutoff nozzle or control valve and may also utilize a hose as a means of directing the discharge. They are provided with a carrying handle for portability and a wall hook or bracket for mounting. Wheeled-type extinguishers are mounted on a carriage for portability and provided with a hose to direct the discharge and shutoff nozzle at the end of the hose.

Dry-chemical extinguishing agents used in these extinguishers include sodium bicarbonate, ammonium phosphate or potassium bicarbonate-based compounds. The dry-chemical agent consists of a specially prepared mixture of finely divided chemicals treated with additives to allow the dry chemical to flow through the extinguisher.

Extinguishers with ammonium phosphate-based chemicals (with the exception of small sizes) are considered "multi-purpose type" and, therefore, classified for use on Class A, B and C fires. Extinguishers with dry chemicals other than ammonium phosphate are classified for use on Class B and C fires. They are not effective on deep-seated fires in ordinary combustible materials (Class A), but may have some value on incipient surface fires in such materials.

Fire extinguishing classifications are developed at ambient temperatures of approximately 70°F. Extinguisher effectiveness may be reduced at lower temperatures.

Dry-chemical extinguishers designated as "high flow" have at least 10 lbs. of extinguishing agent and an agent flow rate of at least 1 lb/sec, and are suitable for Class B specific hazard applications as specified in ANSI/NFPA 10, "Portable Fire Extinguishers," and are indicated in the individual certifications.

These extinguishers are intended to be selected, installed, inspected, maintained and tested in accordance with the applicable requirements of ANSI/NFPA 10.

#### PRODUCT IDENTITY

The following product identity appears on the product:

Dry Chemical Fire Extinguisher - Classification [classification letter(s) and number(s)]

#### RELATED PRODUCTS

Dry-chemical extinguishers that comply with United States Coast Guard requirements are indicated in the individual certifications. Additional information for marine certifications and ratings for dry-chemical extinguishers is indicated in Dry-chemical Extinguishers, Portable, Marine ([GPCZ](#)), Dry-chemical Extinguishers, Semi-portable, Marine ([GPEZ](#)) and Dry-chemical Extinguishers, Wheeled, Marine ([GPFH](#)).

#### ADDITIONAL INFORMATION

For additional information, see Extinguishers and Extinguishing System Units ([FWFZ](#)) and Fire Protection Equipment ([AAFP](#)).

#### REQUIREMENTS

The basic standards used to investigate products in this category are [ANSI/UL 711](#), "Rating and Fire Testing of Fire Extinguishers," [ANSI/UL 299](#), "Dry Chemical Fire Extinguishers," and ANSI/NFPA 10, "Portable Fire Extinguishers."

#### UL MARK

The Certification Mark of UL on the product is the only method provided by UL to identify products manufactured under its Certification and Follow-Up Service. The [Certification Mark](#) for these products includes the UL symbol, the words "CERTIFIED" and "SAFETY," the geographic identifier(s), and a file number.

#### Alternate UL Mark

The Listing Mark of UL on the product is the only method provided by UL to identify products manufactured under its Listing and Follow-Up Service. The Listing Mark for these products includes the UL symbol (as illustrated in the Introduction of this Directory) together with the word "LISTED," a control number, and the product name "Dry Chemical Fire Extinguisher - Classification [classification letter(s) and number(s)]."

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### Dry-chemical Extinguishers, Hand and Wheeled

[See General Information for Dry-chemical Extinguishers, Hand and Wheeled](#)

#### BADGER FIRE PROTECTION

EX2102

1016 CORPORATE PARK DR  
MEBANE, NC 27302 USA

#### Cartridge-activated-type Extinguishers

Model	Nominal Agent Capacity, lb	Min Use Temp, °F	Rating	Marine Type
<b>Ammonium phosphate</b>				
B-10-A	10.65	-40	4-A:40-B:C	Yes
B-10-A-HF	10.65	-40	1-A:20-B:C	Yes
B-20-A	21	-40	10-A:60-B:C	Yes
B-20-A-HF	21	-40	2-A:40-B:C	Yes
B-30-A	25	-40	10-A:80-B:C	Yes
B-30-A-HF	25	-40	3-A:40-B:C	Yes
B150A-1	145	-40	40-A:240-B:C	No
B150AL-1	145	-40	40-A:240-B:C	No
<b>Potassium bicarbonate</b>				
B-10-PK	10.5	-40	60-B:C	Yes
B-10-PK-HF	10.5	-40	20-B:C	Yes
B-20-PK	22	-40	80-B:C	Yes
B-20-PK-HF	22	-40	20-B:C	Yes
B-20-PKW-HF	22	-40	20-B:C	Yes
B-30-PK	28.5	-40	120-B:C	Yes
B-30-PK-HF	28.5	-40	40-B:C	Yes
B-30-PKW-HF	28.5	-40	40-B:C	Yes
B125K-1	125	-40	240-B:C	No
B125KL-1	125	-40	240-B:C	No
<b>Sodium bicarbonate</b>				
B-10-RG	12	-40	40-B:C	Yes
B-20-RG	23	-40	60-B:C	Yes
B-30-RG	29	-40	120-B:C	Yes
B150R-1	150	-40	240-B:C	No
B150RL-1	150	-40	240-B:C	No

**Stored-pressure-type Extinguishers**

Model	Nominal Agent Capacity, lb	Min Use Temp, °F	Rating	Marine Type
<b>Ammonium phosphate</b>				
PRO PLUS 2.5 MP, PRO PLUS 2.5 MP-1, B250M, 250 MB-1, 250 MB-2, ADV-250	2.5	-40	1-A:10-B:C	Yes
ADV-4-1	4	-40	2-A:10-B:C	Yes
5MB-8H	5	-40	2-A:40-B:C	Yes
PRO PLUS 5 MP, 5MB-6H, 5MB-7H, B5M, ADV-550	5	-40	3-A:40-B:C	Yes
B10M-1-HF	10	-40	1-A:20-B:C	Yes
ADV-10	10	-40	4-A:60-B:C	Yes
PRO PLUS 10 MP, B10M-1, B10M, 10MB-8H	10	-40	4-A:80-B:C	Yes
B20M-HF	20	-40	4-A:60-B:C	Yes
ADV-20	20	-40	6-A:80-B:C	Yes
PRO PLUS 20 MP, B20M, 20MB-6H	20	-40	6-A:120-B:C	Yes
50MB	50	-40	20-A:160-B:C	Yes
150MB	125	-40	40-A:240-B:C	Yes
<b>Potassium bicarbonate</b>				
250PB-2, B250P	2.5	-40	10-B:C	Yes
5PB-5	5	-40	10-B:C	Yes
5PB-4H, B5P	5	-40	30-B:C	Yes
B10P-1-HF	10	-40	20-B:C	Yes
10PB-6H, B10P(PRO 10 PKM-3)	10.25	-40	80-B:C	Yes
B20P-HF	20	-40	60-B:C	Yes
20PB-3H, B20P	20.5	-40	120-B:C	Yes
50PB	50	-40	160-B:C	Yes
150PB	125	-40	240-B:C	Yes
<b>Sodium bicarbonate</b>				
B275BC	2.75	-40	10-B:C	Yes
B5BC	5.5	-40	40-B:C	Yes
B10BC	10.25	-40	60-B:C	Yes
10RB-7H	10.5	-40	60-B:C	Yes
20RB-7H, B20BC	20.5	-40	120-B:C	Yes
50RB	50	-40	160-B:C	Yes
150RB	150	-40	240-B:C	Yes

**High-flow Extinguishers**

Extinguishing Agent	Model
Ammonium phosphate	B-10-A-HF, B-20-A-HF, B-30-A-HF

Potassium bicarbonate

B-10-PK-HF, B-20-PK-HF, B-20-PKW-HF, B-30-PK-HF, B-30-PKW-HF

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