



Quality is Behind the Diamond®

## Amerex Corporation

Manufactured to  
ANSI / UL Standards  
AS & NZ Standards  
ISO-9001 / ISO-14001 Certified

### RUGGED

- Fully Drawn dependable Steel Cylinders
- No Weld Construction
- All Metal Valve Construction
- UV Rated Powder Coating
- Easy to Service and Maintain
- UL Listed
- Coast Guard Approved
- Temperature Range -53°C to 50°C
- Bar Coded Labels



PURPLE K extinguishers contain specially fluidized and siliconized potassium bicarbonate dry chemical which is particularly effective on Class B flammable liquids and pressurized gases. It is electrically non-conductive. Purple K has been the choice of oil, gas, chemical and utilities industries as the preferred fire fighting agent.

ABE dry chemical extinguishers (ammonium phosphate) SHALL NOT be placed on airport fueling vehicles, airport fuel servicing ramps, or aprons, or at airport fuel facilities.(NFPA 4.1.6.3). ABE dry chemical (ammonium phosphate) fire extinguishing agent is known to cause corrosion to aluminum aircraft components. Although the agent is capable of extinguishing fires on or near aircraft, it is likely that the agent will spread to other, uninvolved aircraft, causing damage from its highly corrosive effects on aluminium.

Specifications		Aluminium			Brass Chrome Plated (No Alloy)	
<b>Valve Type</b>						
<b>Model</b>		<b>B410T</b>	<b>B479T</b>	<b>A413</b>	<b>B460</b>	<b>415</b>
<b>Size &amp; Capacity</b>		1.13kg	2.3kg	9.0kg	4.5kg	9.0kg
<b>Application</b>		Nozzle		Hose & Nozzle	Hose & Nozzle	
<b>AS/NZ Rating</b>		-	-	-	-	80B:E
<b>U.L Rating</b>		10B:C	30B:C	120B:C	80B:C	120B:C
<b>F.M. Approved</b>		Yes	Yes	Yes	Yes	Yes
<b>Shipping Weight</b>	kg	2.5	4.2	17.2	8.6	17.7
<b>Dimensions</b>	mm	394	387	591	521	610
<b>Width</b>	mm	146	184	260	222	260
<b>Depth</b>	mm	76	108	179	127	179
<b>Range</b>	m	1 - 3	3 - 5	4 - 6	4 - 6	4 - 6
<b>Disch. Time Sec</b>		10	12	28	22	28
<b>Std Bracket</b>		Vehicle	Wall Bracket		Wall Bracket	

PURPLE K DRY CHEMICAL





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## USE OF DRY CHEMICAL EXTINGUISHERS IN THE VICINITY OF AIRCRAFT

The use of ABE dry chemical extinguishers around airport ramps, fueling areas and maintenance areas **IS NOT ALLOWED** by both NFPA Standards and the IFC (International Fire Code).

### **NFPA 407 Standard for Aircraft Fuel Servicing - Tentative Interim Amendment (TIA 12-1)**

**4.1.6.3\*** ABE multipurpose dry chemical extinguishers (ammonium phosphate) shall not be placed on airport fueling vehicles, airport fuel servicing ramps, or aprons, or at airport fuel facilities.

**A.4.1.6.3** Multi purpose dry chemical (ammonium phosphate) fire extinguishing agent is known to cause corrosion to aluminum aircraft components. Although the agent is capable of extinguishing fires on or near aircraft, it is likely that the agent will spread to other, uninvolved aircraft, causing damage from corrosion

### **IFC (International Fire Code) and Commentary - CHAPTER 11: AVIATION FACILITIES**

**Chapter 11** specifies minimum requirements for the fire-safe operation of airports, heliports and helistops. Safe use of flammable and combustible liquids during fueling and maintenance operations is emphasized. Availability of portable B:E rated fire extinguishers for prompt control or suppression of incipient fires is required.

#### **SECTION 1105 FIRE EXTINGUISHERS**

1105.1 General. Portable fire extinguishers suitable for flammable or combustible liquid and electrical- type fires shall be provided as specified in Sections 1105.2 through 1105.6 and Section 906. Extinguishers required by this section shall be inspected and maintained in accordance with Section 906.

Commentary - A Fire extinguishers must be approved for Class B and E fires. Placement and distribution of fire extinguishers should conform to NFPA 10 and 407 and Section 906 of the code. Generally, portable fire extinguishers are required in the immediate vicinity of all flammable and combustible liquid storage, use and dispensing; welding and cutting; spray finishing and other maintenance operations, as well as on aircraft fueler and service vehicles.

It should be noted that Sections 1105.2, 1105.4, 1105.5 and 1105.6 specifically require B:E rated portable extinguishers on vehicles and in locations that are in close proximity to aircraft. This is because it has been reported by the National Safety Council that A.B.E-rated portable fire- extinguisher chemicals pose a severe aircraft damage problem. While A:B:E-rated portable extinguishers generally have an excellent fire-fighting capability and track record, the monoammonium-phosphate chemical extinguishing agent is highly corrosive to aluminum. This agent will melt and flow when it comes into contact with heated surfaces and, once it comes into contact with hot aluminum and works its way into the structural joints and crevices, it cannot be flushed out as the B:C-dry chemical agents can. Clean-up following use of an A:B:E-rated extinguisher on an aircraft could require disassembly of the aircraft to remove any remnant of the chemical to prevent hidden corrosion damage that could lead to structural failure.

**ABE dry chemical is NOT the appropriate agent  
for fire protection for aircraft .**

