

Amerex B456

Amerex B456 10 lbs ABC Dry Chemical Fire Extinguisher Instruction Manual

Model: B456 | Brand: Amerex

1. INTRODUCTION TO FIRE SAFETY AND THE AMEREX B456 EXTINGUISHER

The Amerex B456 is a 10 lbs ABC Dry Chemical Fire Extinguisher designed for effective use against various types of fires. Understanding fire classifications and proper extinguisher operation is crucial for safety.

Important Safety Warnings:

- Only attempt to extinguish a fire if you believe it is still in its inception stage.
- If the fire is past its inception stage, immediately call 911 or have someone else do so.
- Never attempt to fight a fire unless you have a clear and unobstructed path of egress.

Fire Classifications:

Fire extinguishers are rated for different classes of fires. The Amerex B456 is an ABC rated extinguisher, meaning it is effective against:

- **Class A:** Ordinary combustibles like wood, paper, and plastic. These fires leave an ash or ember.
- **Class B:** Flammable liquids such as gas, alcohol, grease, and oil.
- **Class C:** Electrical fires involving energized appliances or wiring.

Other fire classes include:

- **Class D:** Combustible metals like magnesium or titanium.
- **Class K:** Commercial kitchen fires involving cooking oils and fats, typically at very high temperatures.

Hazard Analysis						IT IS CRITICAL TO USE THE RIGHT EXTINGUISHER FOR THE RIGHT APPLICATION					
Prepare for a fire emergency by ensuring that the right fire extinguisher for the environment is the closest one. If a fire event occurs, grab the fire extinguisher and remember the PASS method (P ull, A im, S queeze, S weep).											
Fire Extinguisher Type	ABC Dry Chemical	Purple K	Clean Agent	HT Series	Class K Wet Chemical	Z-Series Purple K ABC Dry Chemical	Water	Water Mist	Carbon Dioxide	Class D Dry Powder	
											
  	 	  	  	 	    <i>Available in Fast Flow or Compliance Flow</i>		 	 			
■ General Building Protection ■ Office Buildings ■ Retail Stores ■ Warehouses ■ Woodworking Shops	■ Fuel Storage ■ Oil-based Paint Storage ■ Paint Spray Booths ■ Auto Repair Shops ■ Aviation Tugs and Fueling Carts	■ Computer Server Rooms ■ Telecommunication ■ Manufacturing Facilities ■ Aviation Flightlines and Maintenance Facilities ■ Offices	■ Data Server Rooms ■ Telecommunications ■ Clean Rooms ■ Manufacturing Facilities ■ Museums	■ Commercial Kitchens ■ Food Trucks	■ Oil and Gas Platforms ■ Oil Refineries ■ Mining Operations ■ Coastal and Marine Environments ■ Agriculture ■ Industrial Climates ■ Waste Management Processes	■ Oxidizer Storage ■ Pool Chemical Storage	■ Hospitals ■ Museums & Libraries ■ Telecommunications ■ Delicate Electronic Equipment ■ Clean Rooms ■ Auditoriums ■ Convention Halls ■ Pool Chemical Storage	■ Welding Shops ■ Auto Repair Shops ■ Manufacturing Facilities ■ High Voltage Electrical Distribution	■ Machine Shops ■ Foundries ■ Metal Fabrication Shops ■ Heavy Industries		
Classes of Fire	 Wood, paper, cloth, rubber, and many plastics	 Gasoline, petroleum greases, tars, oils, oil-based paints, solvents, alcohols, propane, and butane	 Fires involving live electrical equipment	 Magnesium, titanium, zirconium, sodium, lithium, and potassium	 Cooking oils and animal fats	Quality is Behind the Diamond®					

Figure 1: Hazard Analysis Chart illustrating different fire classes and suitable extinguishers. The Amerex B456 is an ABC rated extinguisher.

Product Overview:

The Amerex B456 features a stored pressure design, an aluminum valve, and is easy to use with a large pull pin and clear instructions on the label. It offers a 15-21 ft range and a 22-second discharge time.





Figure 2: The Amerex B456 10 lbs ABC Dry Chemical Fire Extinguisher, showing its red cylinder and instruction label.

- **All Metal Valve Construction**
- **Powder Coated Steel Cylinders**
- **U.S. Coast Guard Approved**



Figure 3: Key features of the Amerex B456, including all-metal valve construction, powder-coated steel cylinders, and U.S. Coast Guard approval.

Amerex Fire Suppression Needs Overview:

Amerex provides a range of fire suppression solutions for various environments, including portables, kitchen protection systems, and vehicle systems. Their commitment to safety is reflected in their product development and testing processes.

Your browser does not support the video tag.

Video 1: An overview of Amerex's fire suppression solutions, highlighting their dedication to safety and product development.

2. SETUP AND INSTALLATION

The Amerex B456 fire extinguisher comes with a wall bracket for convenient and accessible mounting. Proper installation ensures the extinguisher is readily available in an emergency.

Wall Bracket Installation:

1. Choose a visible and easily accessible location, away from potential fire hazards but close enough for quick access.
2. Ensure the mounting surface is sturdy enough to support the weight of the extinguisher (approximately 17.5 lbs).
3. Use appropriate fasteners (screws, anchors) for your wall type to securely attach the wall bracket.
4. Place the extinguisher firmly into the bracket, ensuring it is held securely and cannot easily fall.



Figure 4: An Amerex fire extinguisher housed within a wall-mounted cabinet, demonstrating a common installation method.



Figure 5: An Amerex fire extinguisher securely mounted on a wall using its included bracket, ready for use.

3. OPERATING INSTRUCTIONS (PASS METHOD)

In the event of a small, contained fire, follow the PASS method for effective operation of your Amerex B456 fire extinguisher.

The PASS Method:

1. **P - PULL the Pin:** Hold the extinguisher upright. Pull the safety pin located at the top of the extinguisher. This may require some force to break the tamper seal. You can also twist the pin to break the seal more easily.
2. **A - AIM the Nozzle:** Stand back 8-10 feet from the fire. Aim the nozzle or hose at the base of the fire, not at the flames themselves. Aiming at the base is crucial for extinguishing the fuel source.
3. **S - SQUEEZE the Handle:** Squeeze the operating lever (handle) at the top of the extinguisher to discharge the contents. Be prepared for discharge recoil by holding the extinguisher and hose firmly.
4. **S - SWEEP Side-to-Side:** As you discharge, sweep the nozzle or hose from side to side, covering the entire base of the fire. Ensure you sweep fast enough to prevent re-flashing. As the fire is extinguished, slowly move forward towards it. Do not be afraid to completely empty the extinguisher, even if the fire appears to be out.

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Video 2: An instructional video from Amerex demonstrating the proper use of an ABC fire extinguisher using the PASS method. Once the fire is completely extinguished, evacuate the area safely. Once in a safe location, call 911 if assistance or medical attention is necessary.

4. MAINTENANCE AND INSPECTION

Regular maintenance and inspection are vital to ensure your Amerex B456 fire extinguisher is always ready for use.

Monthly Visual Inspection:

- Check the pressure gauge: The needle should be in the green operating range.
- Inspect the safety pin and tamper seal: Ensure they are intact and not broken or missing.
- Examine the nozzle and hose: Make sure they are free from obstructions, cracks, or damage.
- Check the body of the extinguisher: Look for any signs of corrosion, dents, or physical damage.
- Ensure the extinguisher is easily accessible and its path is not blocked.

Professional Servicing:

- Fire extinguishers require periodic professional inspection and maintenance. Refer to local regulations and manufacturer guidelines for specific intervals.
- The Amerex B456 typically requires a 6-year internal examination and hydrostatic testing every 12 years. Consult a certified fire protection technician for these services.
- If the extinguisher has been used, even partially, it must be recharged by a qualified professional immediately.

5. TROUBLESHOOTING

If you encounter any issues with your Amerex B456 fire extinguisher, follow these general guidelines:

- **Low Pressure:** If the pressure gauge needle is not in the green zone, the extinguisher needs to be recharged by a qualified professional. Do not attempt to recharge it yourself.
- **Damaged Components:** If the nozzle, hose, handle, or cylinder shows signs of damage, corrosion, or wear, the extinguisher should be taken out of service and inspected by a professional.
- **Missing or Broken Pin/Seal:** If the safety pin or tamper seal is missing or broken, the extinguisher may have been tampered with or partially discharged. Have it inspected and recharged by a professional.
- **No Discharge:** If the extinguisher fails to discharge when the handle is squeezed (after pulling the pin), it may be faulty or empty. Do not attempt to force it. Replace the unit or have it serviced immediately.

For any issues beyond simple visual inspection, always consult a certified fire protection technician. Do not attempt to repair the extinguisher yourself.

6. SPECIFICATIONS

Detailed technical specifications for the Amerex B456 10 lbs ABC Dry Chemical Fire Extinguisher:

Specification	Value
Manufacturer	Amerex

Part Number	B456
Item Weight	17.5 pounds
Product Dimensions	20 x 7.75 x 5 inches
Item Model Number	B456
Color	Red
Item Package Quantity	1
Included Components	Fire Extinguisher
Batteries Included?	No
Batteries Required?	No
ASIN	B01LXT9I5B
Date First Available	September 16, 2016



ABC DRY CHEMICAL

ABC or MULTI-PURPOSE extinguishers utilize a specially fluidized and siliconized mono ammonium phosphate dry chemical. It chemically insulates Class A fires by melting at approximately 350°F and coats surface where it is applied. It smothers and breaks the chain reaction of Class B fires and will not conduct electricity back to the operator.



B424
P/N 15267



B461
P/N 15386



B441
P/N 14966



423
P/N 01010

BRASS VALVE



B417T
P/N 15217



B500(T)
P/N 15312
(P/N 15310)



B402(T)
P/N 15280
(P/N 15281)



B443
P/N 15393



B456
P/N 14967



A411
P/N 11213

ALUMINUM VALVE

MANUFACTURED AND TESTED
TO UL STANDARDS
COMPLIES WITH NFPA 10 STANDARD
ISO-9001/ISO-14001 CERTIFIED UL LISTED

RUGGED

- 6-Year manufacturer's warranty
- Stored-pressure design
- Dependable drawn-steel cylinders
- Durable high-gloss polyester powder paint
- All-metal valve construction

BRASS VALVE—Heavy Duty

- Chrome-plated brass valve body
- Stainless steel handle & lever

ALUMINUM VALVE—Light to Medium Duty

- Anodized aluminum valve body
- Anodized aluminum handle & lever

- Temperature range -65°F to 120°F

USER-FRIENDLY

- Easy and economical to maintain and service
- QR coded and multilingual labels OPTION
- USCG approved with bracket listed on UL label
- Chrome cylinders (see chart below)



AVAILABLE IN WHEELED EXTINGUISHERS

CONFORMS TO TEST STANDARDS:
CAN/ULC-S504 - UL 299 &
CAN/ULC-S508 - UL 711

LARGEST SELECTION OF EXTINGUISHER SIZES AND OPTIONS AVAILABLE

AGENT TYPE	ABC DRY CHEMICAL									
VALVE TYPE	Anodized Aluminum						Chrome-Plated Brass			
DESIGN	Nozzle	Hose & Nozzle					Hose & Nozzle			
MODEL NUMBER	B417T	B500/B500T	B402/B402T	B443	B456	A411	B424	B461	B441	423
UL & ULC RATING	1A:10B:C	2A:10B:C	3A:40B:C	3A:40B:C	4A:80B:C	10A:120B:C	2A:10B:C	3A:40B:C	4A:80B:C	10A:120B:C
CAPACITY (LBS.)	2.5	5	5	6	10	20	5	6	10	20
*SHIPPING WT. (LBS.)	5.25/5.5	9.25/9.5	9.25/9.5	12.75	18	36.5	10.5	14	19.5	38
HEIGHT (IN.)	15.25	15.25	15.25	16	20	24	15.5	16.25	20.5	24
WIDTH (IN.)	5.5	7.25	7.25	7.75	7.75	10.25	8	8.5	8.75	10.25
DEPTH (IN.)	3	4.25	4.25	5	5	7	4.25	5	5	7
RANGE (INITIAL- FT.)	9-15	12-18	12-18	15-21	15-21	15-21	12-18	15-21	15-21	15-21
DISCHARGE TIME (SEC.)	9	14	14	14.5	22	30	14	14	22	30
OPTIONAL CHROME CYLINDER	Yes	Yes	Yes		Yes			Yes	Yes	
NOMINAL OPERATING PRESSURE	195 PSIG	195 PSIG	195 PSIG	195 PSIG	195 PSIG	195 PSIG	195 PSIG	195 PSIG	195 PSIG	195 PSIG
INCLUDED BRACKET	Vehicle	Wall/Vehicle			Wall		Wall			

*Shipping weight includes box.

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Figure 6: A detailed selection guide for Amerex ABC Dry Chemical Extinguishers, including various models and their specifications.

EXTINGUISHERS AT-A-GLANCE

AGENT TYPE	SIZE (CAPACITY)	MODEL	CYLINDER DIAMETER (INCH)	INCLUDED BRACKET	USCG BRACKET	OPTIONAL BRACKETS	RUBBER STRAP BRACKETS	859 DOLLY OPTION
WATER	2.5 Gal.	240	7	816 Wall	N/A	810	864	Yes
WET CHEMICAL	6 Liter	C260	7	816 Wall		810	N/A	
	2.5 Gal.	C262	7	816 Wall		810	864	Yes
	6 Liter	C260CG	7	816 Wall	810CG	N/A	N/A	
	2.5 Gal.	C 262CG	7	816 Wall	810CG	N/A	N/A	
WATER MIST	1.75 Gal.	C270	7	816SS Wall	N/A	810, 810NM	N/A	
	2.5 Gal.	C272	7	816SS Wall	N/A	810, 810NM	N/A	
HALOTRON® BrX	1.92 LB.	337TS	3.25	899TS				
	3.55 LB.	339	3.5	893TS				
	3.75 LB.	347TS	3.25	898TS				
	3.75 LB.	349TS	3.25	898TS				
	12.5 LB.	351	5	801 Wall		809		
HALOTRON® I	1.4 LB.	A384T	2.63	845 Vehicle	N/A	845S	N/A	
	2.5 LB.	B385TS	3	817S Vehicle	N/A	817S	860	
	5 LB.	B386T	4.25	818 Vehicle	818, 821, 861H	818S, 821, 821S, 807	860	
	5.5 LB.	B394TS	4.25	818S Aircraft	N/A	818S, 821, 821S, 807	860	
	11 LB.	397	6	802 Wall	812	812	N/A	
	15.5 LB.	398	6	802 Wall	812	812	N/A	
HT SERIES	1.92 LB.	A537TS	3.25	899TS Vehicle				
	3.75 LB.	547	3.25	853 Wall		898TS	860	
	3.75 LB.	549	3.25	853 Wall		898TS	860	
	12.5	551	5	801 Wall		809		
CARBON DIOXIDE	5 LB.	322	5.25	801 Wall	809	809	862	
	5 LB.	322NM	5.25	801SS Wall	N/A	N/A	N/A	
	10 LB.	330	7	802 Wall	810	810	N/A	
	15 LB.	331	7	802 Wall	810	810	864	Yes
	20 LB.	332	8	20# CO2 Wall	811	811	864	Yes
ABC DRY CHEMICAL	2.5 LB.	B417 / B417T	3	817VM Wall / 817	817	817S	860	
	5 LB.	B402 / B402T	4.25	888 Wall / 818	818, 821, 861H	818S, 821, 821S, 807	860	
	5 LB.	B500 / B500T	4.25	888 Wall / 818	818, 821, 861H	818S, 821, 821S, 807	860	
	5 LB.	B424	4.25	888 Wall	821, 861H	821, 821S, 807	860	
	6 LB.	B443	5	801 Wall	808, 809, 895	808, 809, 889HB, 895	862	
	6 LB.	B461	5	801 Wall	808, 809, 895	808, 809, 846, 889, 895	862	
	10 LB.	B456	5	801 Wall	809, 895	808, 809, 846, 889, 889HB, 895	862	
	10 LB.	B441	5	816 Wall	809, 895	808, 809, 889HB, 895, 846	862	
	20 LB.	A411	7	803 Wall	810	810	864	Yes
	20 LB.	423	7	803 Wall	810	810	864	Yes
PURPLE K DRY CHEMICAL	1 LB.	376T	2.63	846				
	2.5 LB.	377	3					
	2.5 LB.	B410T	3	817	817	817S	860	
	5 LB.	B479 / B479T	4.25	888 Wall / 818 VM	818, 821, 861H	807, 818S, 821, 821S, 861H	860	
	10 LB.	B460	5	816 Wall	809, 895	808, 809, 846, 889HB, 895	862	
	20 LB.	A413	7	803 Wall	810	810	864	Yes
CLASS D DRY POWDER	30 LB.	B570	8	803 Wall	N/A	811	864	Yes
	30 LB.	C571	7	877 Wall	810	810	864	Yes
Z-SERIES HIGH PERFORMANCE	10 LB. (4.5 KG)	711, 712	5	877 Wall	809, 809G	809, 809G	N/A	
	13.2 LB. (6 KG)	713, 716, 790, 793	7	877 Wall	810 & 810G	810 & 810G	N/A	
	20 LB. (9 KG)	714, 717, 791, 794, 795	7	877 Wall	810 & 810G	810 & 810G	864	Yes
	30 LB. (13.6 KG)	715, 718, 792, 796	8	876 Wall	811 & 811G	811 & 811G	864	Yes
HIGH-FLOW DRY CHEMICAL	10 LB.	720, 722	5	816 Wall	809, 895	808, 809, 889HB, 895, 846	862	
	20 LB.	760, 762	7	803 Wall	810	810	864	Yes



Figure 7: An overview table of various Amerex extinguishers, their sizes, models, and bracket options.

7. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the documentation included with your Amerex B456 fire extinguisher or visit the official Amerex website.

For additional support, product information, or to locate a service provider, please visit:

www.amerex-fire.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question