

**Hand Portable | Wheeled Extinguishers and Accessories**



# **Product Catalog**

**Including Systems**















**Including Australian Standard**

## WHERE TO USE

Amerex manufactures an extensive variety of hand portable and wheeled fire extinguishers, both "compliance" (code required) and "speciality types". "Speciality" type fire extinguishers are intended for use on particular types of hazards, so careful attention should be made in locating them in close proximity to the specific hazard they are meant to protect. It is natural for a person to use the extinguisher located nearest to a fire. The most current issue of Standards should be consulted for the minimum recommended fire extinguisher type, placement and travel distances. Your local Amerex distributor is professionally equipped to help you evaluate and implement the recommendations.

All Picture symbols are detailed below and should be reviewed with all who might be expected to use a fire extinguisher. Every one should be familiar with these picture symbols which identify the types of fires on which they are to be used. The international sign system diagonal red slash indicates a potential danger if the extinguisher is used on that particular type of fire.

Types of Fires			Types of Extinguishers		
<b>CLASS A</b>	<b>ORDINARY COMBUSTIBLES</b> Wood, Paper, Rubber, fabrics and many Plastics		<b>CLASS A</b>		
<b>CLASS B</b>	<b>FLAMMABLE LIQUIDS &amp; GASES</b> Gasoline, Oils, Paint, Lacquer and Tar		<b>CLASS A:B</b>		
<b>CLASS E</b>	<b>FIRES INVOLVING LIVE ELECTRICAL EQUIPMENT</b>		<b>CLASS A:B:E</b>		
<b>CLASS D</b>	<b>COMBUSTIBLE METALS OR COMBUSTIBLE METAL ALLOYS</b> No Picture Symbol		<b>CLASS A:E</b>		
<b>CLASS F</b>	<b>FIRES IN COOKING APPLIANCES THAT INVOLVE COMBUSTIBLE COOKING MEDIA</b> Vegetable or Animal Oils and Fats		<b>CLASS B:E</b>		
			<b>CLASS D</b>		
			<b>CLASS A:B</b>		

## HOW TO USE

All Amerex extinguishers are furnished with a detailed Owners Manual containing valuable information. The manual contains general information on the installation, use and maintenance of the extinguisher. The extinguisher nameplate (label)) contains specific information on How to USE the particular extinguisher. The label instructions vary slightly according to type and size. All potential operators should be totally familiar with the instructions on any extinguisher they may be required to use.



ALL AMEREX EXTINGUISHERS COMPLY WITH THE RECOMMENDATIONS OF NFPA AND AUSTRALIAN STANDARDS AND ARE TESTED AND RATED IN BY UNDERWRITERS LABORATORIES OR FACTORY MUTUAL SYSTEMS TO ANSI/UL STANDARDS and SAI GLOBAL TO



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

## STORED PRESSURE

### ALUMINIUM VALVE RANGE



### BRASS VALVE RANGE



AS & NZ Standards Have an Additional White ID Band



**ABE or Multi-purpose** extinguishers utilise a specially fluidized and siliconized mono ammonium phosphate dry chemical. It chemically insulates Class A fires by melting at approximately 177°C and coats surface to which it is applied. It smothers and breaks the chain reaction of Class B fires and will not conduct electricity back to the operator.

Specifications		ABE Dry Chemical							
Valve Type		Aluminium				Brass Chrome Plated (No Alloy)			
Model		B417	B500	B456	A411AS	B424	419AS	668AS	423AS
Size & Capacity		1.1kg	2.3kg	4.5kg	9.0kg	2.3kg	4.5kg	6.0kg	9.0kg
Application		Nozzle	Hose and Nozzle			Hose and Nozzle			
AS/NZ Rating		1A:20B:E	2A:40B:E	4A:60B:E	6A:80B:E	2A:40B:E	4A:80B:E	4A:80B:E	6A:80B:E
U.L. Rating		1A:10B:C	2A:10B:C	4A:80B:C	20A:120B:C	2A:10B:C	4A:80B:C	-	20A:120B:C
SSL Listed				Yes	Yes				
F.M. Approved		Yes	Yes	Yes	Yes	Yes	Yes		Yes
Shipping Wt Kg.		2.4 / 2.5	4.2 / 4.3	8.2	17.7	8.2	8.6	11.0	17.7
Height	mm	394	387	508	591	394	450	550	607
Width	mm	146	184	197	273	203	241	230	260
Depth	mm	76	108	127	178	108	152	152	178
Range	m	3 - 5	4 - 6	5 - 7	5 - 7	4 - 6	4 - 6	5 - 7	5 - 7
Chrome Plated Cyl.		Yes	Yes	Yes					
Corrosion Paint						Yes		Yes	Yes
Disch. Time Sec		10	14	20	30	14	22	26	30
Std Bracket		Wall / Vehicle-Marine				Wall			





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## STORED PRESSURE

### ALUMINIUM VALVE RANGE



### BRASS VALVE RANGE



**BE Dry Chemical Extinguishers** contain a siliconized sodium bicarbonate based dry chemical powder with free flowing and non-caking additives. Economical Class B & E protection with lower initial cost and recharging. This chemical smothers fires in flammable liquids and pressurised gas and will not conduct electricity back to the

Specifications	Aluminium					Brass Chrome Plated (No Alloy)		
Valve Type	Aluminium					Brass Chrome Plated (No Alloy)		
Model	B403T	B409TAS	B453AS	B457AS	B412AS	B462	B447	408AS
Size & Capacity	1.0kg	2.3kg	2.3kg	4.5kg	9.0kg	2.3kg	4.5kg	9.0kg
Application	Nozzle		Hose & Nozzle			Hose & Nozzle		
AS/NZ Rating	-	30B:E	-	40B:E	80B:E	-	-	80B:E
U.L. Rating	10B:C	10B:C	40B:C	60B:C	120B:C	40B:C	60B:C	120B:C
F.M. Approved	Yes	Yes		Yes	Yes	Yes	Yes	Yes
Shipping Wt Kg.	2.26	4.2	4.3	8.2	17.2	6.2	8.6	17.7
Height mm	294	387	387	508	591	413	521	607
Width mm	146	140	184	186	260	216	222	260
Depth mm	76	108	108	127	178	108	108	178
Range m	3 - 5	4 - 6	4 - 6	5 - 7	5 - 7	4 - 6	5 - 7	5 - 7
Disch. Time Sec	10	10	14	18	28	14	18	28
Chrome Plated Cyl.	Yes	Yes	Yes					
Corrosion Paint								
Std Bracket			Wall Bracket			Wall Bracket		

BE DRY CHEMICAL





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### 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



### STORED PRESSURE

PURPLE K DRY CHEMICAL

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 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	





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**RUGGED**

- Rust Free Aluminium Cylinders
- All Metal Valve Construction
- Durable High Gloss Polyester Coating
- Easy to Service and Maintain
- UL Listed
- Coast Guard Approved
- Temperature Range -30°C to 50°C
- Bar Coded Labels



**Carbon Dioxide** is discharged as a white cloud of “snow” which smothers a fire by eliminating oxygen. It is effective for Class B flammable liquids and is electrically non-conductive. Carbon Dioxide is a clean, non-contaminating, odorless gas.

**SPECIFICATIONS**

Model Number	322	330	331	332	
Size & Capacity	Lbs	5	10	15	20
Application		Horn	Hose & Horn	Hose & Horn	Hose & Horn
U.L. Rating		5B : C	10B : C	10B : C	10B : C
Shipping Weight	kg	6.4	12.8	17.1	23
Height	mm	450	610	760	760
Width	mm	210	305	305	330
Depth	mm	135	180	180	205
Range	m	1 - 3	1 - 3	1 - 3	1 - 3
Discharge time Sec		10	10	12.5	19
Standard Bracket	Wall Bracket				

CARBON DIOXIDE CO2





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**RUGGED**

- High Grade Stainless Steel Cylinders
- Stored Pressure design
- 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
- Leaves no powder residue



WATER & FOAM

**Model 240** utilises the cooling, soaking and penetrating effect of a 13-17m stream of WATER. The 60 sec. discharge time makes it very effective for inexperienced operators to use on Class A fires. Protect from Freezing by adding the Model 506 Stream/Anti Freeze charge. In Western Australia, South Australia and other areas with a high level of chloride content water it must be corrosion protected by adding the Model 507 charge.

**Model 250 AFFF FOAM** Class A:B extinguisher. Easy and effective application with air asperated nozzle. Apply to Class B liquid spills to prevent ignition. Ideal for emergency first response vehicles.

**Model 252 FFFP FOAM** adds Class B fire fighting capacity to the Class A effectiveness of this extinguisher. The Alcohol Resistant fire fighting Agnet is effective on a wide variety of Class B materials such as alcohols, polar solvents, hydrocarbons, and combinations such as gasohol. Apply to non-ignited Class B liquid spill and it will seal the surface minimising their chance of serious fire.

**Model 254 AFFF FOAM** unique 6 litre size fills many requirements for alighter, more compact Class A:B Extinguisher. Easy and effective application with the patented Spray nozzle. Apply to Class B liquid spills to prevent ignition, Ideal for emergency first response vehicles.

SPECIFICATIONS	Water	AFFF Foam		FFFP Foam
Model Number	240AS	250AS	254	252
Application	Hose and Nozzle	Hose & Air Aspirated Nozzle	Hose & Spray Nozzle	Hose & Air Aspirated Nozzle
U.L. Rating	2A	3A:20B	2A:10B	3A:20B
AS/NZ Rating	3A	3A:20B	-	-
SSL Listed	Yes	Yes	-	-
FM Approved	Yes	Yes	-	-
Capacity	9.1 Litres	9.1 Litres	6 Litres	9 Litres
Shipping Wt (Empty)	3.4 Kg	5 Kg	3.6 Kg	5 Kg
Height mm	620	620	485	620
Width mm	230	230	200	230
Depth mm	180	180	180	180
Range m	13-17	3-4	3-4	3-4
Discharge time Sec	60	55	60	60-65
Standard Bracket	Wall Bracket			





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### EXTRA FEATURES

- Superior Range (Vertical & Horizontal)
- High (240 psi) Operating Pressure
- Choice of Chemicals ABE Multi Purpose, BE, or Purple K
- Select Fast Flow for
  - High Flow Rate
  - Fast Discharge
  - Quicker Knockdown
  - More Operator Protection
- Select Fast Flow for
  - Long Range
  - Highest U.L. Ratings
- Epoxy Painted GALVANISED STEEL Cylinders
- Protective Rubber Foot Rings
- All Metal Valve Construction
- Gauge Guards
- Temperature Range -53°C to 50°C
- Bar Coded Labels
- 12 Year Warranty
- U.S. Coast Guard approved with bracket listed on U.L. Label



**HIGH PERFORMANCE** extinguishers are the ultimate choice in fire extinguishers for high hazard, frequent use and extreme environment applications. Economical - less initial cost, lower maintenance costs, and greater reliability than cartridge operated extinguishers.

### Specifications

Type	FAST FLOW						COMPLIANCE FLOW				
	ABE		BE		Purple K			ABE		Purple K	
Agent	Hose & Nozzle		Hose & Nozzle		Hose & Nozzle			Hose & Nozzle		Hose & Nozzle	
Size & Capacity	9kg	13.6kg	9kg	13.6kg	9kg	9kg	13.6kg	9kg	13.6kg	9kg	13.6kg
Model Number	581	567	582	568	580	584	569	564	589	566	
U.L. Rating	4A:40B:C	4A:40B:C	40B:C	40B:C	40B:C	20B:C	40B:C	20A:120B:C	20A:160B:C	120B:C	160B:C
AS/NZ Model	A-581	-	-	-	A-580	-	-	A-564	-	A-566	-
AS/NZ Rating	2A:40B:E	-	-	-	40B:E	-	-	4A:80B:E	-	80B:E	-
Shipping Wt Kg.	19.2	26.3	19.2	26.3	19.2	19.2	26.3	19.2	26.3	19.2	26.3
Height mm	629	673	629	673	629	629	673	629	673	629	673
Width mm	267	279	267	279	267	267	279	267	279	267	279
Depth mm	178	203	178	203	178	178	203	178	203	178	203
Range m	12 - 15		12 - 15		12 - 15			12 - 15		12 - 15	
Discharge Rate kg/Sec	0.50	0.65	0.40	0.80	0.40	0.90	0.85	0.30	0.40	0.31	0.40
Discharge Time	18	21	15	17	15	10	16	30	34	29	34
Std Bracket	Wall Bracket		Wall Bracket		Wall Bracket			Wall Bracket		Wall Bracket	

HIGH PERFORMANCE DRY CHEMICAL

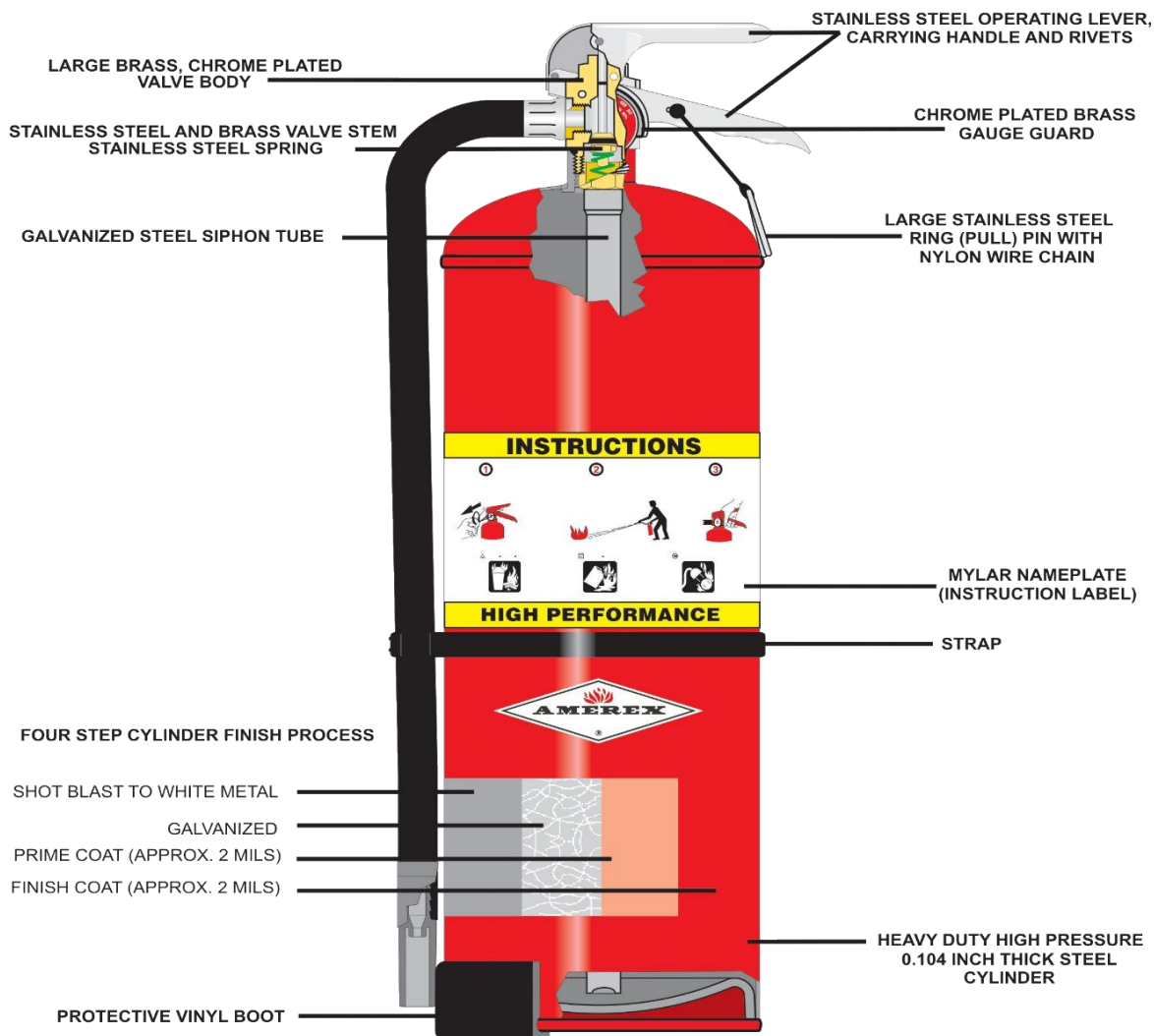




## FEATURES:

- Exclusive galvanized cylinder - the best corrosion resistance
- Brass, chrome plated valve gauge guard - no aluminium parts
- Stored pressure design for less maintenance costs, fewer replacement parts
- Simple P.A.S.S. operation , familiar to all potential extinguisher operators
- Extra large stainless steel handles pin for easy operation with gloves
- Stored pressure design prevents unnoticed tampering and clogged elbows or hoses
- Always - longest range of any hand portable on the market - greater operator safety
- Charged with nitrogen - all models operate down to -65°F
- Inexpensive to recharge, no cartridges to buy or exchange
- Molded vinyl ring to protect paint on the bottom
- Best warranty in the industry - 12 years

**MADE IN USA**



**HIGH PERFORMANCE DRY CHEMICAL**



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### RUGGED

- High Grade Stainless Steel Cylinders
- Durable high gloss Polyester Powder coat paint
- All Metal Valve Construction
- Tested on Commercial deep fat fryers using ANSI / U.L. test Protocol
- Swivel Hose connection allows nozzle orientation for an overhead application
- Shorter discharge hose making it easier to use in small confined space cooking areas
- Nozzle grip design with 45° angle for easy application
- Low PH Wet Chemical agent
- Agent discharged as fine mist prevents grease splash and re-flash.
- Precise extinguishing agent application - no dry chemical to clean up
- Excellent for use on all cooking appliances including solid fuel charbroilers
- Tested to ANSI / UL 71 and safe to use on Class C Fires
- Bar Coded Labels
- 5 Year Manufacturers Warranty
- U.L. Listed



### STORED PRESSURE



WET CHEMICAL

**WET CHEMICAL** extinguishers are the best restaurant kitchen appliance hand portable fire extinguishers you can purchase. Both have been tested and approved for Class F specifically for kitchen hazards. They contain a special potassium acetate based, low PH agent developed for use in pre-engineered restaurant kitchen systems. The recent trend to more efficient cooking appliances and use of unsaturated cooking oils dictates the use of a hand portable fire extinguisher with greater fire fighting capacity and cooling effect to combat these very hot and difficult fires. Available in two sizes - 6 litre or 9 litre with attractive stainless steel cylinders and easy to use spray and hose application nozzle. The superior fire fighting capability of the Wet Chemical agent is placed exactly where you aim it with no residue to clean up. The models 260 and B262 are the ideal "kitchen use" fire extinguishers.

SPECIFICATIONS		WET CHEMICAL	
Model Number		260AS	B262
Application		Hose & Spray Nozzle	
Agent		POTASSIUM ACETATE MIXED WITH WATER	
AS/NZ Rating		2A : 4F	-
SSL Listed		Yes	Yes
U.L Rating		2A : K	2A : K
Capacity		6 Litres	9 Litres
Shipping Wt (Empty)		7.9kg	9.1kg
Height	mm	485	620
Width	mm	230	230
Depth	mm	180	180
Range	m	3 - 4	3 - 4
Discharge time Sec		54	80
Standard Bracket		Wall Bracket	





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## STORED PRESSURE



WATERMIST

### RUGGED

- High Grade Stainless Steel Cylinders
- Stored Pressure design
- All Metal Valve Construction
- UV Rated Powder Coating
- Exclusive Crevice Free, Butt Welded Cylinder

### ENVIRONMENTALLY FRIENDLY

- No Ozone Depletion Potential
- No EPA phase out or restrictions
- No Global Warming concerns
- Non Magnetic construction

This product is certified for use on Electrical Equipment in USA

### CLEAN

- No toxicity
- No respiratory problems
- De-ionized water extinguishing agent

### USER FRIENDLY

- wand provides grease operator safety
- maximum visibility during discharge
- No electrical conductivity back to operator
- No thermal or static shock
- Minimal training - simplest to use



**WATER MIST** is the ultimate extinguisher for Class A fires and where potential Class E Electrical hazard exists. The fine spray from the unique misting nozzle provide safety from electrical shock, greatly enhances the cooling and soaking characteristics of the agent and reduces scattering of the burning materials. The Amerex Water Mist extinguishers are very easy to use and less costly to maintain and service.

The Amerex Water Mist extinguisher contains de-ionized water making them the best extinguishers for protection of hospital environments, libraries with valuable books, telecommunication facilities and any clean room manufacturing areas.

SPECIFICATIONS	WATER MIST	
Model Number	272AS	270
Application	Hose & Wand	
Agent	DE-IONIZED WATER	
AS/NZ Rating	3A	-
SSL Listed	Yes	-
U.L Rating	2A : C	2A : C
Capacity	9.5 Litres	6.8 Litres
Shipping Wt (Empty)	3.6kg	3.2kg
Height	622mm	470mm
Width	279mm	279mm
Depth	178mm	178mm
Range	3-3.6m	3-3.6m
Discharge time Sec	80	72
Standard Bracket	Wall Bracket	

## TARGET USES FOR THE WATERMIST EXTINGUISHER

### Hospital Facilities - MRI Rooms, Operating Rooms, ICU's

- ◆ The Water Mist is NON Magnetic and is approved for use around MRI facilities.
- ◆ Many areas in Hospitals such as Operating rooms, ICU's have a lot of electrical "gear" in them. They are often "oxygen enriched" atmospheres making them a potential fire hazard. Bedding, clothes, gowns and the like can become saturated with oxygen, making them very flammable.
- ◆ You can't use dry chemical in these situations because of both its respiratory and dust mess problems. You can't use CO2 because of freezing and oxygen depletion. You can't use halon 1211 or any of the current "halon substitutes" because of respiratory concerns and cardiac sensitization.
- ◆ The agent and soft spray application will do little if any harm to the patient. The majority of the hazards involved are Class A in nature and nothing could be more effective on these hazards than a fine water spray.
- ◆ In operating rooms where lasers, electrical cauterizing tools and high intensity lighting appliances are used along with other electronic gear, the operating room has long had a potential for fire.

### Schools, Pre-Schools, Kindergartens

- ◆ Watermist can be used as a safe wash down of injuries
- ◆ Many fires in schools are primarily of a Class A nature
- ◆ Long discharge time means that Watermist is a good for inexperienced users

### Pool Chemical Storage Facilities

- ◆ There are problems associated with using ABE Dry Chemical on Pool related chemicals. In most cases WATER SPRAY is the preferred agent for this type of risk.
- ◆ Places where Pool Chemicals are stored include retail outlets selling pool maintenance chemicals, public swimming facilities, country clubs, schools, pool maintenance companies, hotels, etc.

### Veterinary Clinics

- ◆ The same principles of zero toxicity, soft discharge, easy clean-up, nearly sterile agent and lack of air borne contaminants make the Model 272 the right agent/extinguisher combination for animal health care facilities and hospitals.

### Mills and Wood Processing Facilities

- ◆ The Model 272 is designed to make the most efficient use of water. Smaller droplet sizes in the discharge pattern mean that the water will absorb more BTU's (British Thermal Units) than a solid stream, cooling the fire faster.
- ◆ The application wand allows the operator to keep his hands away from the heat so they can move the spray into the fire and around obstacles. This enables him to get into places that are still glowing. This makes it an ideal choice for wood processing where scrap lumber, chips, pallets and so on may be involved with an incipient fire.

### Museums / Libraries / Art Galleries / Rare Book Stores

- ◆ In addition to the damage caused any fire, it is also important to consider the collateral damage of any surrounding books or collectables, the use of distilled water will reduce the damage to any books or other collectables which are inadvertently affected by discharge
- ◆ Fires in libraries and rare book collections can be very difficult to extinguish with hand portable fire extinguishers. The amount of fuel and the concentration of the fuel in book shelves, makes this a risk which is difficult to protect. The longer discharge time and the soft discharge pattern makes the Water Mist an ideal for these areas.





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### RUGGED

- 6 Year Warranty
- Dependable Drawn Steel Cylinders
- All Metal Valve Construction
- Special corrosion resistant yellow
- Class D color coded paint finish
- Temperature Range -40°F to 120°F



CLASS D

The Amerex “soft flow” extension applicator is particularly suited for fighting Class D fires. It allows the operator to stand away from the extreme heat and toxic fumes caused by burning material. The easily controlled, even discharge provides a non-dispersing application of the agent. The extension applicator may be quickly detached to provide a straight stream of chemical where greater range is required.

**MODEL B570** contains a special blended Sodium Chloride based dry powder extinguishing agent. Heat from the fire causes it to cake and form a crust excluding air and dissipating heat from burning metal. Metal fires involving magnesium, sodium, potassium and sodium-potassium alloys can be successfully extinguished with this extinguisher. There is data showing that zirconium, uranium, titanium, and powdered aluminum fires can be controlled and extinguished with this unique extinguisher.

#### Extinguishing Capacity

- Magnesium Chips: 4 ft<sup>2</sup> and/or 6 lbs. of metal
- Sodium or Potassium Spill: 5 ft<sup>2</sup> and/or 5 lbs. of metal
- Sodium or Potassium Spill Depth Over 1/2": 3 ft<sup>2</sup> and or 6 lbs. of metal
- Sodium Potassium Alloy Spill: 3 ft<sup>2</sup> and/or 2 lbs. of metal

**MODEL B571** contains a copper extinguishing agent specially developed by the U.S. Navy for fighting lithium and lithium alloy fires. The copper compound smothers the fire and provides an excellent heat sink for dissipating heat. Copper powder has been found to be superior to all other known fire extinguishing agents for lithium.

Extinguishing Capacity - 4 ft<sup>2</sup> and/or 5 lbs. of lithium

### SPECIFICATIONS

		B570	B571
Model Number		B570	B571
Agent		Sodium Chloride	Copper
Application		Hose & Wand Applicator	
Capacity		13.6 Kg	13.6 Kg
Shipping Wt (Empty)		24.1 Kg	24.1 Kg
Height	mm	900	600
Width	mm	330	330
Depth	mm	200	200
Range	m	1 - 2	1 - 2
Discharge time Sec		24	18
FM Approved		Yes	Yes
Standard Bracket		Wall Bracket	





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## Class D FIRES – WHAT YOU SHOULD KNOW

Class D hazards are very dangerous. They burn hot (1350° C for magnesium, even higher for other metals). Most react violently with water, Halons, Halon substitutes and CO<sub>2</sub>. They emit toxic vapors (lithium fires produce huge amounts of dense smoke; the best extinguisher to use on lithium fires is the Model 571 with copper agent). Proper extinguishing technique may require 8-15 lbs. or more of extinguishing agent per pound of burning material (for more information, look at the label on the back of our Model 570 and Model 571 regarding “extinguishing capacity”). If proper extinguishing technique is not used the burning material may spread throughout the area. Fighting these fires requires an integrated approach including fire extinguishers, safety equipment, bulk agent, and thorough training.

Amerex Class D fire extinguishers come standard with a long hose and applicator wand. This helps keep the operator away from the heat, toxic vapors, and possible burns from flying materials. The bell-shaped discharge nozzle is angled 45° to allow agent application from above thus minimizing the dangerous spread of the combustible material. The discharge nozzle provides a soft, easily directed and controlled discharge pattern with the valve fully open.

### Personal Protection and Safety Wherever Class D Fire Extinguishers are used

Due to the extreme heat and toxic vapors that may be generated by a Class D fire. It is very important that the person using the extinguisher exercise an equally high level of caution, has appropriate personal protection, and is properly trained.

When installing Amerex Class D Fire extinguishers a discussion on additional safety equipment located next to the units is appropriate. Personal protection and safety are always the first concern of every comprehensive fire protection plan

### Proper agent application for Class D fires

Class D fires require a unique application technique. Unlike Class A or Class B fires, you will not see a lot of flame or feel a lot of radiant heat in the early stages of the fire. There will be intense light in the case of magnesium, volumes of dense smoke from lithium, and very little smoke with either titanium or zirconium. But don't let the small size of the fire or the lack of flame fool you. These are serious fires and the potential for disaster exists if underestimated.

Burning Class D material generates hydrogen gas when it is exposed to water causing a violent explosion. Moisture in the ground, concrete, or even in some agents themselves may cause this reaction. Therefore, extreme caution must be used when fighting these fires.

The control of these fires is achieved by attacking two fronts simultaneously: excluding oxygen from the combustible metal by completely surrounding it, even what isn't yet burning, and by the absorption of heat to below the temperature required to sustain the fire. This feature referred to as “heat sink”.

The principle of is to completely cover the burning material with a layer of Class D agent up to 2 inches thick. After using the applicator wand to cover the material and while standing ready to reapply agent as burn through “hot spots” appear. It is best to use either the agent remaining in the fire extinguisher or to utilize the scoop and pail to prepare to seal the underside of the burning material.

How do you get the burning material that is already in one spot on top of the 2-inch bed of agent? After discharging or shoveling agent onto the floor near the burning material carefully use a clean, dry shovel to move the pile of agent encrusted combustible metal. Gently lay this on top of the bed of agent, return to the extinguisher or scoop and continue applying agent to any cracks that appear in the crust or cover any new hot spots that appear to be burning through. Remember even without hot spots the fire may still be burning deep below the surface. Always use extreme caution and patience. Make sure the fire is **completely out** before attempting cleanup procedures.

The nature of this type of material – high temperature, moisture sensitivity, fine particles easily spread, tendency to generate toxic gases or smoke – make Class D fire training critical. Class D fire fighting requires very detailed exacting procedures.

Remember the operating instructions on the extinguisher “CAUTION: FIRE MAY RE-IGNITE, ALLOW METAL TO COOL BEFORE CLEANUP”.





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### Why there is no numerical rating for Class D extinguishers

Class D *hazards* vary widely in form and difficulty of extinguishment. Each combustible metal is different; each form that it is in presents different challenges (castings vs. dry turnings vs. wet turnings vs. powder vs. chips vs. shot vs. etc..) so that a repeatable, consistent way of rating these extinguishers according to fire fighting effectiveness has been impossible.

Class D *hazards* are completely different than any other Class of Fire. Agents that work on Class A, B, E and even K have no effect on Class D fires and may actually have an adverse effect. Conversely, agents that are effective on Class D fires have no effect on any other class of fire.

When dealing with Class D fires, a 15:1 ratio of extinguishing agent to burning material is unique to metal combustible fires and when coupled with the physical characteristics (powder, dust, pellets, and shavings) makes it extremely difficult for UL to run exacting tests. The result is no numerical rating. This in turn leads to (Refer to our label on the back of the Model 570 and 571 that lists approximate quantities and sizes of hazards by square feet and pounds of material.)

### References for Class D Information

- 29 CFR Chapter XVII – 1910.57(6)
- NFPA 325 – Fire properties of liquids, gases & volatile solids
- NFPA 481 – Titanium storage and handling
- NFPA 485 – Lithium storage, handling, processing and use
- NFPA – Fire protection handbook: section 3, chapter 13
- Dangerous Properties of Industrial Materials – Sax/Lewis
- NFPA 49 – Hazardous Chemicals Data
- NFPA 408 – Magnesium storage and handling
- NFPA 482 – Zirconium production and processing
- NFPA 651 – Aluminum and aluminum powders
- Sigma-Aldrich Library of Chemical Safety Data
- SDS on any suspected Class D hazards

CLASS D





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### Amerex Corporation

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

#### RUGGED

- Dependable Steel Cylinders
- Stored Pressure design
- All Metal Valve Construction
- UV Rated Powder Coating
- Leaves no Residue
- UL Listed
- Maximum visibility during discharge
- Temperature Range -53°C to 50°C
- Durable polyester Powder Coated



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**HALOTRON I** is a “Clean Agent” HydroChloroFluoroCarbon discharged as a rapidly evaporating liquid which leaves no residue. It effectively extinguishes Class A and B fires by cooling and smothering. Halotron is pressurized with Argon gas and is an EPA and FAA approved HCFC blend B agent approved for use on Class A, B and C fires. It has a low GWP, and a low Atmospheric Lifetime. In Australia Halotron is approved by CASA as an acceptable replacement for Halon 1211 extinguishers in aircraft. Recommended install Model B385TS 1.1Kg with double strap bracket.

Halotron is intended for use in areas formerly protected by Halon 1211 extinguishers such as computer rooms, telecommunications facilities, clean rooms.

Specifications	ALUMINIUM VALVE				BRASS VALVE-Chrome Plated		
Model	A384T	B385TS	B386T	B394TS	397	398	
Size & Capacity	kg	0.6	1.1	2.3	2.5	5	7
Applicator	Nozzle				Hose & Nozzle		
U.L Rating	1B : C	2B : C	5B : C	5B : C	1A: 10B : C	2A : 10B : C	
Shipping Weight	kg	1.5	2.4	4.2	4.6	10.3	12.5
Dimensions	mm	250 x 90 x 75	390 x 140 x 75	380 x 145 x 110	380x x130 x 110	540 x 230 x 150	540 x 230 x 150
Range	m	2 - 3	2 - 3	3 - 5	3 - 5	3 - 5	4 - 6
Disch. Time Sec		9	9	9	9	9	14
Std Bracket		Aircraft	Aircraft	Aircraft	Aircraft	Wall Bracket	

HALOTRON™ I





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## Amerex Corporation

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

### RUGGED

- Dependable Steel Cylinders
- Stored Pressure design
- All Metal Valve Construction
- UV Rated Powder Coating
- Leaves no Residue
- UL Listed
- Maximum visibility during discharge
- Temperature Range -53°C to 50°C
- Durable polyester Powder Coated

Use of Halon is restricted in Australia special licenses are required.



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**HALON 1211** is a liquified gas, pressurized with nitrogen, which discharges as a vapor causing no cold or static shock and no impairment of the operator's vision. This "CLEAN" agent quickly penetrates difficult to see and hard to reach areas and leaves no residue. It is recommended for protection of delicate, sensitive and expensive computers, electrical equipment, tapes and film, automotive and aircraft engines, laboratory chemicals and equipment.

Quality industrial grade hardware, "CLEAN" agent, light weight, good discharge range and excellent fire extinguishing ability.

Specifications	ALUMINIUM VALVE				BRASS VALVE-Chrome Plated		
Model	B394TS	C352TS	C354TS	B355T	B369	B371	B361
Size & Capacity kg	0.6	1.1	1.4	2.3	4	5.9	7.8
Applicator	Nozzle	Nozzle	Hose	Nozzle	Hose & Nozzle	Hose & Nozzle	Hose & Nozzle
U.L Rating	2B : C	5B : C	5B : C	10B : C	10B : C	2A: 40B : C	4A : 80B : C
Shipping Weigl kg	1.25	2.5	2.7	4.4	7.6	10	16.5
Dimensions mm	250 x 90 x 70	360 x 115 x 75	360 x 150 x 75	380 x 145 x 110	410 x 210 x 125	510 x 210 x 125	600 x 245 x 175
Range m	3 - 4	3 - 5	3 - 5	3 - 5	4 - 6	4 - 6	4 - 6
Minimum Spac. m <sup>3</sup>	4.4	8.8	10.6	17.7	31.8	45.9	60
Std Bracket	Vehicle	Aircraft	Aircraft	Vehicle	Wall	Wall	Wall

HALON 1211





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Part Number	Unit	Description	
550	50lb Pail	ABE Recharge Powder - MAP 95%	
512	50lb Pail	BE Recharge Powder - MAP 90%	
515	50lb Pail	Purple K Recharge Powder - fluidised and siliconised potassium bicarbonate	
545	50lb Pail	Class D - Recharge powder sodium chloride based for alloy, magnesium fires	
548	50lb Pail	Class D - Recharge powder copper based for lithium fires	
530	6ltr	Wet Chemical - Special potassium acetate based, low PH.	

Amerex powders and Agents are UL (Underwriters Laboratory) tested, separately from the extinguisher. Amerex guarantees that this % of active ingredients will be in each extinguisher and recharge pack.

**IMPORTANT** - Do not mix ABE and BE powders - the reaction creates pressure within the cylinder which is increased with heat and can result in the extinguisher exploding.

RECHARGE AGENTS





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AS & NZ Standards  
ISO-9001 / ISO-14001 Certified



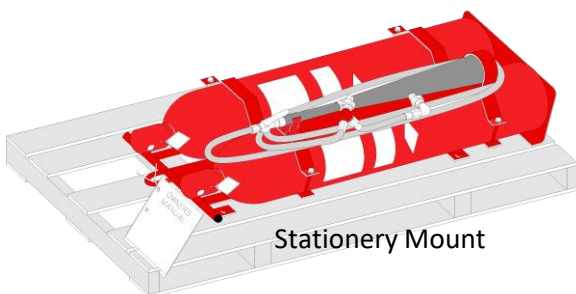
**RUGGED**

- Heavy Duty Steel Carriage
- Quick Opening Brass Valve
- Reinforced Wire Braided Hose
- Brass Hose Fittings
- No EPA phase out or restrictions
- No Global Warming concerns
- Non Magnetic construction
- Squeeze Grip Chrome Plated Discharge Valve
- Shock Resistant Horn to Reduce Static Electricity
- Clean, Non-Contaminating Odorless Gas
- 5 Year Warranty

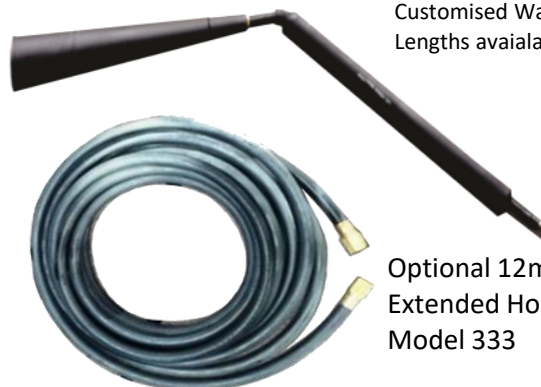
**Large volume CO2** protection provided in either 50lb or 100lb (2 x 50lb Cylinders) government specification wheeled extinguishers. Rugged construction and easy to operate with a quick opening handle valve and horn mounted shut-off valve. A logical choice in areas where a Class B:C noncontaminating agent is required and where hand portable extinguishers are not available.

SPECIFICATIONS	Carbob Dioxide CO2	
Model Number	333	334
Application	Hose & Wand	
Agent	Carbob Dioxide CO2	
SSL Listed	Yes	-
U.L Rating	20B : C	20B : C
Capacity	9.5 Litres	6.8 Litres
Shipping Wt (Empty)	117 kg	210 kg
Dimensions	1200 x 590 x 1220	1200 x 590 x 1220
Hose Length	4.5 m	12 m
Wheels	410 x 102 mm	410 x 102 mm
Range	3 - 5m	3 - 5m
Discharge time Sec	44	74
Operating Temperature	-30deg C to +49deg C	

**Optional Equipment**



Stationery Mount



Extension Lance  
Customised Wand  
Lengths available

Optional 12m  
Extended Hose for  
Model 333

**WHEELED - 50lb & 100lb Carbon Dioxide**

