PRODUCT INFORMATION
**Cat. 9120/9120B Smoke Alarm**

**120V AC, 60Hz Wire-in with 9V Battery Back-up (9120B)**

The BRK Brands, Inc. Cat. Nos. 9120 and 9120B are wire-in, 120V AC 60Hz single and/or multiple station smoke alarms specifically designed for residential and institutional applications including sleeping rooms of hospitals, hotels, motels, dormitories and other multi-family dwellings as defined in standard NFPA 101. Models 9120 and 9120B comply with UL217, CSFM, NFPA 72, HUD, FHA and other agencies that model their codes after the above agencies. They meet building codes where AC and AC/DC with Silence smoke alarms are required. The alarms are interconnectable with up to 18 devices, of which 12 can be smoke alarms.

**Dual ionization sensing chamber** - screened for insect protection.

**“Smart Technology” system** - A system of improvements designed to reduce nuisance alarms. A redesigned cover, metal sensing chamber and new integrated circuit (IC) work together to reduce nuisance alarms.

**“Latching Alarm Indication”** - When interconnected in a series, the unit that triggered the alarm rapidly flashes its red LED indicator. After the alarm condition subsides, the initiating unit will store in memory or “latch” the information and begin to flash the green LED indicator 2 seconds on, 2 seconds off.

**“Perfect Mount” system** - features a gasketless base and a mounting bracket that keeps the alarm secure over a wide rotation range to allow for true alignment. This will allow fine-tuning on the positioning to compensate for out of aligned wall studs and to keep the wording level when wall mounting.

**Single button test/silence** - Eliminates confusion. Depending on what mode the alarm is in, pushing the button will test, silence, re-test the alarm when in silence and clear the latching feature.

**85dB horn** - meets UL standards

**Easy access side-load battery drawer** - Battery installation and removal can occur while the unit is mounted to the ceiling or wall via the side load battery compartment.

**Battery backup power supply** - on the 9120B model, keeps alarm working during a power failure, providing battery is installed properly and is fresh.

**Other Contractor Preferred features**

- A dust cover to keep alarm clean during construction.
- Keyhole slots in the mounting bracket eliminate the need to remove the junction box screws for installation.
- Two locking features are provided to prevent battery theft and/or theft of the unit.
- Connection to AC power is made with a “Quick-Connect” wiring harness. Installation is quick, easy and cost effective.

Available in the following versions:
- 9120 AC Alarm with silence
- 9120B AC Alarm with silence and battery backup
- 9120AB Same as 9120B but with alkaline battery
- 9120LB Same as 9120B but with lithium battery
**Technical Specifications**

- **Alarm Dimensions**: 5.58" dia x 1.97" H
- **Weight**:
  - 6.5 oz (9120)
  - 7.8 oz (9120B)
- **Operating Voltage**: 120V AC 60Hz w/ 9V battery backup
- **Operating Current**: .04 amps (standby/Alarm)
- **Temperature Range**: 40°F (4°C) to 100°F (38°C)
- **Humidity Range**: 10% to 90% relative humidity (RH)
- **Audio Alarm**: 85dB minimum at 10 feet
- **Test Button**: Electronically simulates the smoke condition, causing the unit to alarm.
- **Alarm Reset**: Automatic when smoke clears
- **Sensor**: Dual chamber ionization
- **Indicator LED**:
  - AC Power: Constant Green LED
  - DC Power (9120B): Intermittent Red LED
  - Remote Alarm: Red LED out
  - Local Alarm: Red LED flashes rapidly
  - Latching Alarm: Green LED flashes 2 sec. on/2 sec. off after local alarm stops
- **Listing**: UL 217

**Shipping Specifications**

- **Individual Carton Dimensions**: 5.69" L x 2.25" W x 5.59" H
- **Weight**:
  - 53 lbs. (9120)
  - 61 lbs. (9120B)
- **Cube**: .041 ft³
- **UPC**:
  - 9120: 0 29054 51300 7
  - 9120B: 0 29054 51301 4
  - 9120AB: 0 29054 51302 8
  - 9120LB: 0 29054 51303 5
- **Master Carton Dimensions**: 14.43" L x 6.19" W x 12.63" H
- **Master Pack**: 12
- **Weight**:
  - 7.0 lbs. (9120)
  - 7.9 lbs. (9120B)
- **Cube**: .653 ft³
- **UPC**:
  - 9120: 100 29054 51300 4
  - 9120B: 100 29054 51301 1
  - 9120AB: 100 29054 51302 8
  - 9120LB: 100 29054 51303 5
- **Pallet Information**:
  - **Cases per Layer**: 19
  - **Number of Layers**: 3
  - **Cases per Pallet**: 57
  - **Cube**: 42.2 ft³
  - **Weight**:
    - 359 lbs. (9120)
    - 450 lbs. (9120B)

**Architectural and Engineering Specifications**

1. The unit shall be capable of self-restoring.
2. A screened sensing chamber to prevent entry of small insects thereby reducing the probability of unwanted nuisance alarms.
3. Powered by 120V AC, 60Hz and have a monitored 9V battery backup (model 9120B only).
4. A visual LED (green) power-on indicator to confirm unit is receiving power. A visual LED (red) power-on indicator to confirm unit is working properly.
5. A test button to check all alarm functions by stimulating the chamber to simulate a smoke condition, causing the unit to alarm.
6. A solid state piezo horn rated at 85dB minimum at 10 ft.
7. The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 90%.
8. The unit shall center mount to any standard electrical junction box up to 4 inches octagonal without screw removal and shall be listed for wall or ceiling mounting.
9. The unit shall have an optional locking mechanism to deter battery removal (model 9120B only) and /or theft of the unit.
10. The unit shall have a gasketless base for easy installation and be capable of keeping alarm secure over a wide rotation range to allow for true alarm alignment.
11. The unit shall have a plug in connector and be capable of interconnection of up to 18 alarms, 12 of which can be smoke alarms.
12. The unit shall at a minimum meet the requirements of UL217, CSFM, NFPA 72, NFPA 101, ICBO, BOCA, SBCCI and CABO.

**Installation of Smoke Alarm**

Installation of this smoke alarm must conform to all local electrical codes and Article 760 of the National Electrical Code (NFPA 70) and NFPA 72. Interconnected units must meet the following requirements: Total length of wire interconnecting units should be less than 1000 feet, be #18 gauge or larger and be rated at least 300V. It is recommended that all units be on the same fuse or circuit breaker. If local codes do not permit, be sure the neutral wire is common to both phases.

**Manufactured By:**
BRK Brands, Inc.
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Aurora, IL 60504-8122
www.brkelectronics.com
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CM2626
PULL
AIM
SQUEEZE
Sweep

...it's that simple!
- Exclusive galvanized cylinder - the best corrosion resistance
- Brass, chrome plated valve gauge guard - no aluminum parts
- 240 psi stored pressure design for less maintenance costs, fewer moving parts, fewer replacement parts,
- Simple P.A.S.S. operation, familiar to all potential extinguisher operators
- FULL FILL - No "nominal" fill sizes, 20 lbs. of Purple K in a 20 lb. Purple K extinguisher, 30 lbs. of ABC in a 30 lb. ABC extinguisher, etc...
- Extra large stainless steel handles and stainless steel ring 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

Cut-away View

- BRASS, CHROME PLATED VALVE BODY
- STAINLESS STEEL AND BRASS VALVE STEM
- STAINLESS STEEL SPRING
- GALVANIZED STEEL SIPHON TUBE
- INSTRUCTIONS
- HIGH PERFORMANCE
- STAINLESS STEEL OPERATING LEVER, CARRYING HANDLE AND RIVETS
- CHROME PLATED BRASS GAUGE GUARD
- LARGE STAINLESS STEEL RING (PULL) PIN WITH NYLON WIRE CHAIN
- MYLAR NAMEPLATE (INSTRUCTION LABEL)
- STRAP
- HEAVY DUTY HIGH PRESSURE 0.104 INCH THICK STEEL CYLINDER
- FOUR STEP CYLINDER FINISH PROCESS
- SHOT BLAST TO WHITE METAL
- GALVANIZE
- PRIME COAT (APPROX. 2 MILS)
- FINISH COAT (APPROX. 2 MILS)
- PROTECTIVE VINYL BOOT
Amerex High Performance Stored Pressure Dry Chemical Extinguisher and Mounting Brackets

Presenting:
Superior Performance, Corrosion Resistance, Greater Safety, Greater Reliability, Extended Warranty and Low Maintenance Costs at an Affordable Price

The Best Extinguisher Value on the Market

Why buy Amerex High Performance?

Superior Performance - Amerex High Performance extinguishers all have greater range. The Fast Flow models offer discharges with more pounds of chemical per second - the key to combating flammable liquid fires involving three dimensions and flammable liquids/gases under pressure. Required by NFPA 10 section 2-3.1 and 2-3.3! Most flammable liquid hazards potentially involve three dimensional fires. Fast Flow units, in the hands of trained operators, provide the fastest and safest “knock down” of any fire extinguisher on the market today.

Greater Corrosion Resistance - Each hand portable is made with a Galvanized Cylinder - an Amerex exclusive. Most corrosion resistant finishes quit working when the paint is scratched or chipped. Our Galvanized cylinders (for the hand portables), carriages and wheels (for the wheeled units) are better than any mere paint finish.

Galvanizing - an Amerex High Performance exclusive!

Greater Reliability - Fewer parts means fewer things to go wrong. Stored pressure extinguishers have a modern, simple design for greater reliability. Two “O” ring seals compared to 6 seals and gaskets on cartridge operated extinguishers, four moving parts compared to nine moving parts on cartridge operated extinguishers. Cartridge operated extinguishers are susceptible to tampering and plugged hoses. None of this can happen to a stored pressure extinguisher.


Low Maintenance Costs - Fewer parts and a simple design means lower maintenance and repair costs over the life of the extinguisher. Amerex High Performance Extinguishers use a 12 step procedure for annual maintenance in Compliance with NFPA 10. Cartridge Operated Extinguishers have a factory maintenance procedure containing over 40 steps. Recharging High Performance Extinguishers is inexpensive, no cartridges to replace.
Features:

- Galvanized carriage, wheels and hose rack unbolt from the agent cylinder. Damage to carriage or wheels does not ruin the extinguisher.

- Chrome plated brass (not aluminum) ball shut-off valve with swivel pistol grip.

- Full 250 lb. fill regardless of the type of chemical used - no “nominal” fill sizes.

- Stored pressure design means lower maintenance cost:
  - No separate nitrogen cylinder to test
  - No regulator to test
  - Chemical cannot be contaminated without discharging unit
  - No moisture seals to replace or inspect
  - No high pressure hoses to test
  - Fewer moving parts means fewer parts to replace

- 350 psi operating pressure has the longest range/highest flow rate available.

- Integral lift loops for loading/positioning on board.

- Separate 3 inch fill port with brass - chrome plated cap.

- Large easy to read pressure gauge with stainless steel gauge guard.

- Carriage design protects the agent cylinder and hose. Agent cylinder rests above the ground.

- 1” x 50’ hose with brass “screwed compression fit” brass (not aluminum) booster hose couplings.

- Excellent for use in combined agent attacks (foam or water) to extinguish escape points of flammable liquids under pressure.
## High Performance Extinguisher Specifications

### Heavy Duty Galvanized Box Type Vehicle/Marine Brackets

**Model 810G for 13.2 (6Kg) and 20 lb. (9Kg)**  
(7 inch diameter cylinder)

**Model 811G for 30 lb. (13.6 Kg)**  
(8 inch diameter cylinder)

Includes Stainless Steel Locking Pin

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<th>Model No.</th>
<th>Agent Weight (lbs.)</th>
<th>Type</th>
<th>UL Rating</th>
<th>Shipping Weight (lbs.)</th>
<th>Height (inches)</th>
<th>Width (inches)</th>
<th>Depth (inches)</th>
<th>Discharge Time (sec.)</th>
<th>Discharge Rate (lbs/sec.)</th>
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Amerex Exclusive Factory Refurbishing/Rebuilding Program

It is a well documented fact that highly corrosive marine conditions and/or rough industrial handling can cause havoc to the life of a fire extinguisher. The U.S. Coast Guard regularly rejects extinguishers for signs of corrosion and missing or damaged labels. In most cases, immediate and proper attention can greatly lengthen the service life of the equipment. Amerex, through its network of distributors, has established a “factory refurbishing/rebuilding program” which allows extinguishers to be returned to the factory to be completely rebuilt and labeled with a new U.L. / U.S. Coast Guard approved label at the fraction of the cost of a new unit. Please contact your Amerex distributor for full details.

Extended 12 Year Limited Warranty *

Amerex warrants its HIGH PERFORMANCE fire extinguishers to be free from defects in material and workmanship for a period of TWELVE (12) YEARS (up to but not including hydrotest) from the date of purchase. During the warranty period, any such defects will be repaired or replaced if the original factory seal is intact and/or if only factory replacement parts and recommended service equipment have been used to service the extinguisher. This warranty does not cover defects resulting from modification, alteration, misuse, exposure to corrosive conditions nor improper installation or maintenance. (EXCLUDED ITEMS: HAND PORTABLES - HOSE ASSEMBLY AND PRESSURE GAUGE; WHEELED UNITS - CARRIAGE, WHEELS, PRESSURE GAUGE AND HOSE ASSEMBLY - these items carry the standard Amerex six (6) year warranty). ALL IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF FITNESS FOR PURPOSES AND MERCHANTABILITY, ARE LIMITED TO THE TIME PERIODS AS STATED ABOVE. IN NO EVENT SHALL AMEREX CORP. BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above exclusions may not apply to you. Amerex Corp. neither assumes nor authorizes any representative or other person to assume for it any obligation or liability other than as expressly set forth herein. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

For additional information write to: Amerex Corporation - P.O. Box 81, Trussville, AL 35173.
* Please refer to warranty refurbishing program for guidelines.

“Quality is Behind the Diamond”

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Presented by: