

SUPPRESS*ALL*

AEROSOL FIRE PROTECTION



OPERATION MANUAL

Model FS2-MAX

AEROSOL FIRE SUPPRESSION TOOL

REV 2.100

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THANK YOU FOR YOUR PURCHASE!

Thank you for purchasing the SUPPRESSALL™ FS2-MAX, the most efficient and advanced aerosol fire suppression tool on the market today.

Correct and timely usage of the SUPPRESSALL™ FS2-MAX can prevent and / or significantly reduce the damage caused by fires.

The SUPPRESSALL™ FS2-MAX allows its user the ability to mitigate the danger posed to firefighters and first responders by carcinogens, flash-over, and back-draft. While no portable device can prevent or totally suppress the harmful effects of a fire, the SUPPRESSALL™ FS2-MAX is a unique way to combat fires and represents a giant advance in fire suppression technology from water or other chemical-based methods.

The SUPPRESSALL™ FS2-MAX is a small, portable unit that contains potassium-based chemical components. It is designed to be a first-use method to combat class A, B, C Fires. When the device is deployed at the scene of a fire, the SUPPRESSALL™ FS2-MAX releases a cloud of aerosol containing the potassium components, interrupting the chain reaction in the flame. When utilized and deployed according to the instructions in this Operation Manual, it provides an effective method of fire suppression that minimizes the risks posed by more traditional methods of firefighting.

Please use this Operation Manual as the source of information for storing, using, and disposing of the SUPPRESSALL™ FS2-MAX.

FIRE SUPPRESSION INDUSTRIES, LLC 2026

HOW THE SUPPRESSALL™ FS2-MAX WORKS

The SUPPRESSALL™ FS2-MAX is a portable fire suppression device. It is not a fire extinguisher and not intended to replace any fire extinguishers that are required by NFPA 10 or USCG regulations. The unit consists of a steel housing containing chemical agents that form the aerosol, separated by an insulating barrier; a handle for ease of transportation and deployment and a securing pin and an igniter pin that is used to activate the SUPPRESSALL™ FS2-MAX electronically.

The SUPPRESSALL™ FS2-MAX is an active fire suppression system utilizing an environmentally safe, condensed aerosol that, when deployed, has the appearance of smoke.

When the unit is deployed and its aerosol is released, the aerosol drastically reduces the temperature of the room immediately (by up to 1,000°F in less than 1 minute in most cases). The aerosol interrupts the thermal activity from the chemical reaction taking place without removing oxygen from the enclosure.

The SUPPRESSALL™ FS2-MAX is significantly different from CO₂, dry chemical, and water-based fire prevention systems. Its condensed aerosol works on the chemical reaction element of the fire tetrahedron (oxygen, heat, fuel, and the fire's chemical reaction). When used in accordance with these instructions, deployment of the SUPPRESSALL™ FS2-MAX poses no risk to occupants and first responders and will effectively minimize any of the fire's collateral and environmental damage.

The device inhibits the fire from obtaining the oxygen radicals it needs to continue burning and spreading further. Once activated by the user, the potassium based compounds of the SUPPRESSALL™ FS2-MAX are heated, turning the solid compounds into an aerosol that can spread rapidly throughout the area containing fire.

One SUPPRESSALL™ FS2-MAX can effectively suppress a fire in a room that measures up to 5,300CU.FT., if the room does not have any large open spaces. Once deployed, the device discharges its aerosol for approximately 50 seconds. The unit's aerosol can remain suspended for up to 45 minutes, depending on how enclosed the room is.

You should immediately see results in the flames of the fire as the FS2-MAX's aerosol interrupts the chemical reaction of the fire, stopping completely or greatly slowing the rate at which the structure and/or contents burn.

The use of the SUPPRESSALL™ FS2-MAX can lower the temperature in the affected space by up to 1,000° F degrees in less than 1 minute, making it safer and easier for trained firefighting personnel and first responders to control the spread of the fire.

BEFORE USING THE SUPPRESSALL™ FS2-MAX

WHO SHOULD USE THE SUPPRESSALL™ FS2-MAX

Only those personnel who are trained and are familiar with the operation of the SUPPRESSALL™ FS2-MAX should use it. All operators should read and understand this Operation Manual prior to use.

INSPECTIONS

All SUPPRESSALL™ FS2-MAX units should receive an inspection once per year. Batteries are to be replaced **once every TEN (10) years**. The owner can replace all batteries. **YOU MUST ONLY USE ORIGINAL BATTERY PACKS PROVIDED BY YOUR DISTRIBUTOR OR THE COMPANY YOU PURCHASED YOUR UNIT FROM. IF YOU NEED ASSISTANCE, PLEASE CALL 1- (800) 985-2173 TO INQUIRE ABOUT NEW BATTERIES FOR YOUR UNIT.**

Inspectors should make sure that the SUPPRESSALL™ FS2-MAX is not damaged in any way and there is no evidence of use or deployment.

Never try to disassemble the SUPPRESSALL™ FS2-MAX. If you try to disassemble the SUPPRESSALL™ FS2-MAX and you alter the unit, you will break the unit and it will remain unrepairable and not covered under any warranty. **ALWAYS** leave the protective R-Pin in place until it has been determined the device is required to fight a fire. If the device has been damaged in any way, it should not be deployed. Should the Igniter pin and ring become detached accidentally from the unit, immediately throw the unit away from yourself and any person in the vicinity. At this point, the 8 second countdown until ignition has begun and CANNOT be reset. The unit will deploy its aerosol after the 8 second countdown.

STORAGE: Keep the SUPPRESSALL™ FS2-MAX in its original case whenever possible and store it in a place that is not exposed to extreme heat or humidity. Avoid contact with heat, sparks, flames, and other heat sources. Do not drill, solder or cut the unit. Keep it away from oxidizing agents, strong acids, and strong bases. The SUPPRESSALL™ FS2-MAX will normally be safe for its intended use for a period of 15 years when stored properly. The unit's battery must be replaced after 10 years.

DEPLOYING THE SUPPRESSALL™ FS2-MAX

The SUPPRESSALL™ FS2-MAX comes equipped with 2 (two) types of metal pins. This document will explain how the R-Pin is used in conjunction with the igniter pin. The R-Pin was added to secure the Igniter pin in-place.

- The SUPPRESSALL™ FS2-MAX will achieve maximum results if the fire room is enclosed and is deployed near the seat of the fire.
- Evaluate the scene and decide the safest place to deploy the SUPPRESSALL™ FS2-MAX that is nearest the seat of the fire. Announce to any fire personnel or bystanders that the SUPPRESSALL™ FS2-MAX is being deployed and advise them to keep a safe distance (2' from where the unit will land).
- Make sure that the person deploying the device can accurately throw the unit toward the intended target location. It is best to stand or kneel when throwing the device, aiming for level ground.

- When the decision to deploy the SUPPRESSALL™ FS2-MAX has been made and you are in position, firmly grasp the R-Pin (marked "1") and pull it straight out of the unit. Removing the R-Pin unlocks the Igniter pin so it can be used to deploy the FS2-MAX. **(Picture 1)**



- After removing the R-Pin, firmly grasp the Igniter Pin (marked "2") and pull it straight out of the unit. Once the Igniter pin has been pulled the 8 second count-down until deployment will start and this action cannot be stopped once initiated. You must deploy the unit immediately after pulling the pin. **(Picture 2)**



- Immediately throw the SUPPRESSALL™ FS2-MAX into the structure near the seat of the fire. Once the unit is safely deployed, return to business as usual. The unit will work independent of any human intervention and will deploy for about 50 seconds. **(Picture 3)**



CAUTION

AFTER PULLING THE IGNITER PIN - DO NOT HOLD ON TO SUPPRESSALL™ FS2-MAX, IMMEDIATELY THROW THE UNIT AWAY FROM YOU AND TOWARDS THE SEAT OF THE FIRE.

After deploying the SUPPRESSALL™ FS2-MAX, make sure all efforts are maintained to ensure a closed fire room to contain the aerosol

WARNING: IT IS VERY IMPORTANT NOT TO DISTURB THE IGNITER PIN UNTIL YOU ARE READY TO DEPLOY THE UNIT. AFTER THE PIN IS PULLED, IMMEDIATELY THROW THE UNIT INTO THE FIRE. THE SUPPRESSALL™ FS2-MAX WILL AUTOMATICALLY ACTIVATE 8 SECONDS AFTER THE PIN IS PULLED. THIS PROCESS CANNOT BE STOPPED ONCE THE IGNITER PIN HAS BEEN REMOVED. ONCE YOU PULL THE IGNITER PIN YOU MUST DEPLOY THE SUPPRESSALL™ FS2 INTO THE FIRE OR IF YOU ACCIDENTALLY PULLED THE IGNITER PIN, THROW IT AWAY FROM YOURSELF AND ANY PERSONS WITHIN THE VICINITY.

WARNING VERY IMPORTANT.

WHEN INSTALLING THE BATTERY PACK, IF THE RED LIGHT GOES ON AFTER CONNECTING THE BATTERY, AND BEFORE PULLING ANY PINS, IMMEDIATELY DISCONNECT THE BATTERY. THIS MEANS THE UNIT IS COUNTING DOWN AND ACTIVE. IT WILL DEPLOY WITHIN 8 SECONDS FROM THE TIME THE BATTERY IS CONNECTED. IF NECESSARY, PULL THE BATTERY AND CABLE HARD ENOUGH TO DISCONNECT THEM FROM THE HANDLE. FSI WILL REPLACE THE UNIT.

WARNINGS AND GUIDELINES

All personnel that may come into contact with the aerosol should wear protective clothing, including mouth/nose covers to prevent aerosol inhalation, protective goggles, face shield or other face protection, fireproof gloves and suitable protective body covering. NIOSH-Approved N95 Particulate Filtering mask is acceptable.

IN THE AFFECTED AREA

Although non-toxic, the aerosol may cause breathing irritation. Those personnel who enter the space where a SUPPRESSALL™ FS2-MAX has been deployed should wear protective breathing gear to prevent the inhalation of the aerosol, a standard Niosh-95 mask would be acceptable. Treat any persons exposed to the aerosol for extended periods of time the same as you would for mild smoke inhalation. Remove the victim to fresh air and allow them to breathe normally. The aerosol is non-toxic to humans and pets alike.

Follow the recommended procedures for safety, first aid, and cleanup in the Warnings and Guidelines section of this Operation Manual.

While the SUPPRESSALL™ FS2-MAX is a safe and effective method of fire suppression, it is important to always adhere the guidelines when using the SUPPRESSALL™ FS2-MAX. Firefighters or other fire prevention officials should use the SUPPRESSALL™ FS2-MAX devices only in accordance with their department's local rules or guidelines. This Operation Manual is not intended to replace or supersede any fire department's standard operating procedures.

FIREFIGHTER NOTE: Positive Pressure Ventilation will diminish the effective concentrations of the aerosol. SUPPRESSALL™ FS2-MAX devices work best in contained areas. PPV should only be used when a fire is completely knocked down and water supply is available. It is advisable to always have one or more SUPPRESSALL™ FS2-MAX devices ready for use to avoid any delay in locating one when at a fire scene or if more than one is needed at the fire. Do not eat or drink in the vicinity of an activated SUPPRESSALL™ FS2-MAX device.

ENVIRONMENTAL CLEANUP FOLLOWING DEPLOYMENT

DISPOSAL

The SUPPRESSALL™ FS2-MAX units can be disposed of according to normal disposal procedures per municipality.

GLOBAL WARMING IMPACT

The SUPPRESSALL™ FS2-MAX does not pose any global warming threats. It measures zero on both the Ozone Depletion Potential and Global Warming Potential scales, Zero atmospheric lifetime.

THE AEROSOL RESIDUE

If the aerosol leaves behind a layer of dust or film, it can be removed with a damp cloth or broom and dustpan. If needed, wash the affected area thoroughly with water.

FIRE EQUIPMENT

Clean protective clothing and other firefighting equipment exposed to the aerosol in the normal manner.

FIRST AID PROCEDURES

The components in the aerosol are non-toxic and are stable under normal conditions. Exposure to the aerosol may cause slight side effects that should be addressed immediately.

EYE CONTACT

Exposure to the aerosol may cause slight eye irritation. Avoid rubbing your eyes. Remove any contact lenses, lift eyelids and rinse with copious amounts of water or normal saline. If any conditions continue, consult a physician.

SKIN CONTACT

Exposure to the aerosol can cause mild skin irritation, including slight reddening of the skin. Wash affected area with soap or mild detergent and water until no evidence of chemical remain. If any conditions continue, consult a physician.

INGESTION

In the unlikely event that the metal casing is opened and the product inside is ingested, the following is recommended. Remove by gastric lavage or emesis. Maintain blood pressure and airway. Give oxygen if respiration is depressed. Do not perform lavage or emesis if victim is unconscious. Get medical attention immediately.

INHALATION

Remove from exposure area to fresh air immediately. Treat the same as mild smoke inhalation. If condition worsens, as with any smoke inhalation, contact a physician.

LIMITED WARRANTY

LIMITED WARRANTY FROM DATE OF PURCHASE AND LIMITATION OF LIABILITY

SUPPRESSALL™ FS2-MAX AEROSOL PRODUCTS ARE TO BE OPERATED ONLY BY TRAINED PERSONNEL.

The manufacturer of the SUPPRESSALL™ FS2-MAX provides a TWO-year limited warranty against defects in materials and workmanship.

Limitations of Coverage: Manufacturer's original warranty assumes use, installation, and maintenance in accordance with the Product's documentation. The warranty does not cover damage or loss of performance due to improper installation, faulty or inappropriate preparation, abuse, vandalism, excessive wear and tear or abrasion, excessive physical shock, exposure to harmful chemicals, exposure to extremes of temperature, improper maintenance, usage by untrained personnel or any use outside those defined in the Product's documentation.

a) Company warrants to Distributor that the Products shall be free from defects in materials and workmanship, in all material respects, for a period of Twenty-Four months from date of end user purchase, when used and maintained in accordance with the Company operating and maintenance instructions. Products deemed to be defective by the Distributor should be shipped to Company for inspection. B. Distributor's exclusive remedy for breach of warranty shall be limited to repair or replacement (at Company's option) of any parts found defective by Company within the warranty period. C. The foregoing Warranty shall be void in the case of any failure to use and maintain the Product in accordance with the Company operating and maintenance instructions, rough handling, mechanical damage, alteration, repair not in accordance with Company instructions, or Distributor's failure to immediately notify Company of any defective Product. D. The warranty sets forth the full extent of Company's liability and is in lieu of all other warranties or remedies, express, implied, or statutory, and all other obligations or liabilities of Company, with respect to the Products, including but not limited to, warranties of merchantability or fitness for a purpose. Disclaimer of Responsibility: Neither the Supplier nor its directors, officers, employees, or agents shall be held liable for any improper or incorrect use of the Products and assume no responsibility for anyone's use of the Products. In no event shall the Supplier be liable for any direct, indirect, incidental, special, exemplary, consequential, or punitive damages, (including, but not limited to, personal injury or death; procurement of substitute goods or services; loss of use, data, profits or savings; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of the Products, even if advised of the possibility of such damage. This disclaimer of liability applies to any damages or injury, including but not limited to those caused by any failure of performance, error, omission, interruption, deletion, defect, delay in operation whether for breach of contract, tortious behavior, negligence or under any other cause of action. Limitation on Liability: If, despite the other limitations set out above, for any reason the Supplier becomes liable to the purchaser or any other party for damages or other liabilities incurred in connection with the Products then the Supplier's aggregate liability for all damages, injury, and liability incurred by the Supplier in connection with the particular Products shall be limited to the current replacement cost of the particular Product that gives rise to the claim for damages. Indemnification: By taking delivery of the Products, the purchaser agrees to defend, indemnify, and hold harmless Fire Suppression Industries, LLC, its contributors, any entity jointly created by them, the irrelative affiliates and the irrelative directors, officers, employees, and agents from and against all claims and expenses, including attorneys' fees, arising out of the use of the Products

SUPPRESSALL

AEROSOL FIRE PROTECTION

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