



# FDNY

**BUREAU OF FIRE PREVENTION**

**9 Metro Tech Center, 3rd Floor**

**Brooklyn, NY, 11201**

To: Ms. Jamie Pierce  
From: New York City Fire Department  
Date: Apr 26, 2022  
Record ID: 2021-TMCOAP-009562-AMND



Premises Address: City-wide

BIN

Application Type: Certificate of Approval

Amendment

Result: Certificate of Approval

## **CERTIFICATE OF APPROVAL # 5614**

**THIS CERTIFICATE IS REVOCABLE, NOT TRANSFERABLE**  
**AND EXPIRES ON April 25, 2025**

By order of Fire Commissioner and pursuant to Section 112 of the New York City Fire Code, the following equipment or material may be acceptable for use provided the conditions outlined below are in full compliance.

**Manufacturer:** Kidde-Fenwal, Inc.

**Address:** 400 Main Street, Ashland MA 01721

**Product:** Industrial Dry Chemical Fire Suppression System

**Trade Name:** Kidde Fire Systems

**Model No. Description Part Number**

IND-21 21 lb. ABC cylinder/valve assembly 83-486573-000  
IND-45 45 lb. ABC cylinder/valve assembly 83-486574-000  
IND-70 70 lb. ABC cylinder/valve assembly 83-100018-001  
IND-25 25 lb. BC cylinder/valve assembly 83-486570-000  
IND-50 50 lb. BC cylinder/valve assembly 83-486571-000  
IND-75 75 lb. BC cylinder/valve assembly 83-100019-001



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**Pertinent Code Sections:** New York City Fire Code Section 904 (including Section 904.5)

**Laboratory:** Underwriters Laboratories, Inc.

**Prescribed Tests:** UL 1254, 4th Edition, Revision date 02-21-2013

**Report:** File EX2153 Issued: 10-11-1995 Revised: 04-30-2020

**Description:** The Kidde Fire Systems Guard Dry Chemical Fire Suppression System utilizes either a Kidde-Fenwal monoammonium phosphate based (ABC) dry chemical agent or a Kidde-Fenwal sodium bicarbonate based (BC) dry chemical agent and it is designed to provide fire protection for vehicle paint spray booths, industrial open-face paint spray booths, total flooding and local applications. It is a pre-engineered group of mechanical and electrical components for installation by an authorized Kidde Fire Systems distributor. The system can be activated mechanically from manual release, thermo-bulb links, and fusible links. The system can be activated electrically, using a tested and listed 24 Vdc control panel. Both automatic detection devices and manual release can be used on control panels. Cylinders are actuated from stored high-pressure nitrogen. Upon actuation, the dry chemical is discharged through agent distribution piping and specially designed nozzles positioned throughout the protected area. The operating temperature range of the Kidde Fire Systems is -40°F minimum to 120°F maximum for total-flooding, local-application and open-front spray paint booth applications. For vehicle spray booth application, the temperature limit are from 0°F to 120°F. The design, installation, operation, and maintenance (DIOM) manuals, which include the components list for the Kidde Fire Systems Dry Chemical Fire Suppression System, are:

- Total-Flooding, Local-Application, and Industrial Open-Face Spray Booth Protection: DIOM manual part number WK-220423-000, Rev CE revised in UL File EX2153 dated August 17, 2012 & April 5, 2013 & January 5, 2022.
- Vehicle Spray Booth Protection: DIOM manual part number 83-100036-001, Rev BC revised in UL File EX2153 dated August 17, 2012 & April 5, 2013 & January 5, 2022.
- 06-237853-001, Rev AA Valve Rebuild Kit Addendum added in UL File EX2153 January 5, 2022.

## Conditions Of Approval

1. Prior to installation of the above-referenced fire extinguishing system, plans shall be filed with the Fire Department for review and approval.
2. Installation, use and maintenance of the above-referenced dry chemical fire extinguishing system shall comply with all applicable requirements of the New York City Fire Code, the New York City Construction Codes (including the Building Code and Mechanical Code), the New York City Electrical Code, and the rules.
3. Installation and maintenance of the above-referenced dry chemical fire extinguishing system shall be performed by a licensed fire suppression piping contractor holding a current training certificate from the manufacturer.
4. The listing requirements and the manufacturer's requirements for installation, use and maintenance of the above-referenced system shall be complied with.
5. All applicable automatic equipment interlocks with fuel shutoffs, ventilation controls, alarms, smoke and heat vents, and other features necessary for proper operation of the fire extinguishing system shall be provided as required by the design and installation standard utilized for the hazard.



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6. At least once a month, an inspection shall be conducted by a trained and knowledgeable person to assess whether the system is in good working order. A licensed master fire suppression piping contractor properly trained and having knowledge of the installation, operation and maintenance of the specific fire extinguishing system shall inspect, test, service and otherwise maintain such system in accordance with New York City Fire Code Section 904 (including Referenced Standard NFPA 17) and the manufacturer's specifications and serving manuals at least on a semiannual basis. Tests shall include a check of the detection system, alarms and releasing devices, including manual stations and other associated equipment. Extinguishing agent containers shall be weighted to verify the required amount of agent. Stored pressure-type units shall be checked for the required pressure. The cartridge of cartridge-operated units shall be weighted and replaced at intervals specified by the manufacturer.
7. Certificate of Approval shall be plainly and permanently stamped or otherwise affixed upon each product by the manufacturer or the local representative of the manufacturer.
8. All installations shall be subject to inspection by representatives of the Fire Department which may result in additional requirements being imposed. The Fire Department may make periodic inspections of the above-referenced products without warning. These audit inspections will be solely at the discretion of the Fire Department.
9. The Fire Department may make periodic inspections of the above-referenced equipment without notice.
10. The Fire Department may withdraw this approval at any time in the event there is a reasonable doubt that the product does not operate or perform as required by code, the conditions of this resolution or as represented in your application.
11. The Fire Department's conditions of approval shall be provided to all New York City buyers, users and installers.
12. The Certificate of Approval does not constitute an endorsement or recommendation of your product by the Fire Department, but is a certification that your product is acceptable as of the date of issuance.
13. Any end user who fails to comply with the conditions as outlined in this approval is subject to enforcement action.

Any change in company name or ownership, product name, material of construction, chemical composition, product design, or model number of any product included on this certificate must be immediately reported to this Department in writing.

KC:JN

By Order of,  
Chief of Fire Prevention