



NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
(212) 566-5000, TTY: (212) 566-4769

## Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

### MEA 3-06-E

**Manufacturer:** Kidde-Fenwal, Inc., 400 Main Street, Ashland, MA 01721

**Trade Name(s):** Kidde Fire Systems and Fenwal Protection Systems

**Product:** Fire Suppression System Units: In-cabinet/Small enclosure

**Pertinent Code Section(s):** SubChapter 17 And Reference Standard RS 17.

**Prescribed Test(s):** UL Standard 2166

**Laboratory:** Underwriters Laboratories, Inc.

**Test Report(s):** UL File Ex 4674 – Project 04NK04073, Issued 10-29-04

**Description** – The In-Cabinet/Small Enclosure, Fire Suppression system has been designed and engineered specifically for protecting small, high value equipment where the protection needs more localized and/or added supplemental protection to support a larger total flooding hazard. The System is designed for Total-Flooding in Accordance with NFPA 2001 and UL 2166 for Class A, B, and C fires. The HFC-227ea (or FM-200) is stored in a pressurized cylinder and actuated by a CXV control head. Upon discharge the agent is released and distributed to the fire hazard through a tubing system and discharged through an agent distribution assembly that controls the rate and flow of agent. System design does not require the use of engineered software by the installer.

All system components and system design limitations are outlined in the UL approval manual, 90-FM200M-040 and 93-FM200M-040. Main system components are listed below with all others outlined in the manual referenced above.

Description	Part Number	
3 lb Fill Suppression or SDAC Kit-Horiz or Vert Mount	90-400X03-00X	93-400X03-00X
5 lb Fill Suppression or SDAC Kit-Horiz or Vert Mount	90-400X05-00X	93-400X05-00X
7 lb Fill Suppression or SDAC Kit-Horiz or Vert Mount	90-400X07-00X	93-400X07-00X
10 lb Fill Suppression or SDAC Kit-Horiz or Vert Mount	90-400X10-00X	93-400X10-00X
12 lb Fill Suppression or SDAC Kit-Horiz or Vert Mount	90-400X12-00X	93-400X12-00X
15 lb Fill Suppression or SDAC Kit-Horiz or Vert Mount	90-400X15-00X	93-400x15-00X
17 lb Fill Suppression or SDAC Kit-Horiz or Vert Mount	90-400X17-00X	93-400X17-00X
20 lb Fill Suppression or SDAC Kit-Horiz or Vert Mount	90-400X20-00X	93-400X20-00X
<b>Cylinder Actuation Kit-145 cu. in. cylinder</b>	90-414500-001	93-414500-001
<b>Cylinder Actuation Kit- 500 cu. in. cylinder</b>	90-450000-001	93-450000-001
<b>Cylinder Actuation Kit-1050 cu. in. cylinder</b>	90-410500-001	93-410500-001
<b>Quick Release Brackets</b>	06-220037-00X	
<b>Agent Distribution Assembly</b>	90-220036-001	92-220036-001
<b>Manual/Pneumatic Control Head</b>	06-236419-001	
<b>CXV Controller Kit</b>	90-287100-001	93-487100-001
<b>CXV UNIT</b>	87-120043-001	
<b>Electric Actuator</b>	83-100034-001	
<b>24" Actuation Hose</b>	06-236444-001	

Pursuant to "Promulgation of the Rules relating to Material and Equipment Application Procedures" dated November 5, 1992, the Bureau of Fire Prevention has no objections letter dated April 13, 2006, F.P. Index #: 0512036B

**Terms and Conditions:** That the above units be accepted on condition that

- 1 Installation and use shall comply with the applicable New York City codes, rules, regulations etc. and in particular with 3RCNY 15-08 of 1996 "Clean Agent Extinguishing Systems" except as modified by conditions of this letter and RS 17-3 requirements.
- 2 Installation shall be limited to normally unoccupied rooms or enclosed cabinet protection.
- 3 Normally unoccupied rooms or cabinet protection with FM-200 suppression system shall have no uncloseable openings.
- 4 HVAC openings of protected rooms shall be provided with automatic dampers that are activated upon discharge of agent.
- 5 System shall be provided with manual actuation that can be actuated from a location outside the protected area.
- 6 The integrity test requirement of 3RCNY 15-08(m) shall not be required for **only enclosure cabinets installations with no unenclosable opening**. FM-200 systems installed in normally unoccupied rooms shall be subject to the integrity test requirement of 3RCNY 15-08(m).

- 7 Systems may be used for **Class A and C fire applications with a minimum FM-200 design concentration of 6.25%.**
- 8 Systems may be used for **Class B fire applications with a minimum design concentration as indicated in NFPA 2001, and Table 3-1 of Fenwal design manual (UL File Ex4674).**
- 9 Installation shall have audible and visual alarms outside of all enclosure doors and inside of protected rooms.
- 10 FM-200 installation plans for a normally unoccupied room or cabinet shall indicate quantity of agent, enclosure dimensions, piping and nozzle sizes and layout and comply with pre- engineered limitations.
- 11 Underwriters Laboratory Inc's requirements and limitations shall be compiled with.
- 12 Manufacturer's installation, maintenance procedures and limitations shall be compiled with.

All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and acceptable for use, as provided in Section 27-131 of the Building Code.

Final Acceptance July 18, 2006  
Examined By Donald J. J.