

**CITY OF NEW YORK  
DEPARTMENT OF BUILDINGS**

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of the Materials and Equipment Acceptance (MEA) Division.

Satish K. Babbar, R.A., Acting Commissioner

**MEA 289-00-E  
Report of Material and Equipment Acceptance Division**

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

**Trade Name(s) - KIDDE-FE-13™.**

**Product – KIDDE FE-13™ Clean Agent Fire Suppression System.**

**Pertinent Code Section(s) – Article 17 and RS 17.**

**Prescribed Test(s) - ANSI/UL 1058, NFPA 2001.**

**Laboratory - Underwriters Laboratories, Inc.**

**Test Report(s) - UL file EX4674, Project 97NK42126, issued June 1, 1998.**

**Description - The KIDDE-FE-13™ Fire Suppression Systems is a clean agent extinguishing system. The systems consist of 40 to 74 and 62 to 115 pound capacity cylindrical Cylinder/Valve Assemblies, agent distribution piping and one or more discharge nozzles. The system uses accessories per UL report EX4674 issued June 1, 1998. The cylinders contain the liquid clean agent FE-13™, the cylinder pressure is 609 PSIA at 70°F. The FE-13™ agent is distributed from the cylinders to the fire hazard through a piping system and discharged through nozzles. The nozzles control the rate of agent discharge. The system is to be designed and installed per the following: KIDDE FE-13™ Fire Suppression System, Design, Installation, Operation and Maintenance Manual - P/N 96-FE13MA-002, Version 1.2, dated April 1, 1998 and Users Manual for KIDDE FE-13™ Flow Calculation Program Version 1.2 dated April 1998, P/N 96-FE13MA-13. Auxiliary system components previously listed by UL, which include hoses, valve adapters, cylinder straps, brackets, clamps, control heads, pressure controls, remote control and auxiliary detection equipment may be used.**

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 August 25, 2000, F.P. Index No. 0008030 and B.F.P. letter dated October 3, 2000, F.P. Index #0008030A.

**Recommendation - That the above KIDDE FE-13™ Clean Agent Fire Suppression System be accepted on condition that all uses and installation shall comply with all applicable New York City codes, rules, regulations and testing requirements and in particular with the requirements of Subchapter 17, RS 17-3 of the Administrative Code and 3RCNY §15-08 and on further condition that:**

- 1. Design volumetric concentration of agent shall be in accordance with NFPA 2001 and UL listing, but in no case less than 18%.**
- 2. Design volumetric concentration of agent for normally occupied areas shall be in accordance with NFPA 2001 and the UL listing but not greater than 24%.**
- 3. The protected enclosure shall have the structural strength and integrity necessary to contain the agent discharge as attest to by the engineer of record. If the developed pressure presents a threat to the structural strength of the enclosure, venting to outside the building shall be provided to prevent excess pressure. Architects or engineers shall consult system manufacturer's recommended procedures relative to enclosure venting. Such architect or engineer shall also confirm that the agent concentration leakage into non-flood rooms or spaces will not reach dangerous concentrations.**
- 4. Underwriters Laboratories Inc.'s listing requirements and limitations shall be complied with.**
- 5. Manufacturer's installation, maintenance procedures and limitations shall be complied 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 accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance

*October 30, 2000*

Examined

*Mark Jacoby*