



NYC Department of Buildings  
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Patricia Lancaster, FAIA, Commissioner  
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## 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 118-06-E

**Manufacturer:** Chemetron Fire Systems

**Trade Name(s):** Chemetron Fire Systems

**Product:** Clean Agent Extinguishing Systems Units

**Pertinent Code Section(s):** Subchapter 17 and Reference Standard RS 17

**Prescribed Test(s):** NFPA 2001, 2004 Edition and UL 2166, 1<sup>st</sup> Edition

**Laboratory:** Factory Mutual (FM)

**Test Report(s):** FM Approval Reports 3018501 issued December 20, 2004.

**Description** – Clean Agent Fire Extinguishing System Unit Total Flooding Protection against Class A surface burning, Class B flammable liquid and Class C fires occurring within an enclosure. The extinguishing agent is 3M™ Novec™ 1230 fluid, a fluorinated ketone chemically identified as dodecafluoro-2-methylpentan-3-one ((CF<sub>3</sub>CF<sub>2</sub>C(O)CF(CF<sub>3</sub>)<sub>2</sub>).

Models 10481819, 10481820, 10481821, 10481822, 10481823, 10481824, 10481825, 10481826, 10481827, 10481828, 10481829, 10481830, 10481831, 10481832, 10481833, 10481834, 10481835 Clean Agent Extinguishing System Units, stored pressure type, having nominal charging capacities of 40, 55, 95, 150, 150, 250, 250, 400, 550, 600, 750, 750, and 1000 lbs. clean agent, respectively. The units are charged to 360 psi at 70°F, with operating temperatures of 0°F to 130°F.

A description of these extinguishing system units and the design and installation limitations are contained in the manufacturer's installation manual dated July 1,

2004, Revision A (p/n 30000058) dated October 5, 2004. These installations require the design calculation design programs identified as CHEM-1230, Version 1.0.2 or higher.

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 May 1, 2006, F.P. Index No. 0604055.

**Terms and Conditions:** The above units are accepted, provided that all:

1. All uses, and installations shall be accordance with all applicable New York City Codes, Rules, Regulations, etc. and specifically 3RCNY §15-08 "Clean Agent Fire Extinguishing Systems" except as modified by conditions of this letter and RS 17-3 requirements.
2. Systems may be used for Class A and C fire applications with a minimum Novec 1230 design concentration of 4.2%.
3. Systems may be used for Class B flammable liquid fire applications with a minimum Novec 1230 design concentration specified in Table A.5.4.3 of NFPA 2001 of 2004 and Chemetron Fire Systems design manual (FM Approval Report Project 3018501).
4. The use of Novec 1230 (FK-5-1-12) agents in normally occupied protected space shall be limited to NOAEL 10% concentration or less (Section 1.5.1.2 of NFPA 2001 of 2004).
5. FM approval requirements and limitations shall be fully complied with.
6. 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 acceptable for use, as provided in Section 27-131 of the Building Code.

Final Acceptance June 8, 2006  
Examined by Donald [Signature]