



FDNY

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CERTIFICATE OF APPROVAL # 6267 **THIS CERTIFICATE IS REVOCABLE, NOT TRANSFERABLE** **and EXPIRES on FEBRUARY 21, 2021**

By order of Fire Commissioner Daniel A. Nigro, and pursuant to Section FC 112 of the New York City New Fire Code, the following equipment or system is accepted for use provided the conditions as outlined below are in full compliance.

Manufacturer:	Captive Aire Systems Inc.
Trade Name:	Electric Wet Chemical Fire Suppression System.
Product:	Wet Chemical Fire Suppression System Control Board (Module)
Basic Model Number(s):	EWC
Pertinent Code Section(s):	Section FC 901 of the New York City Fire Code
Prescribed Tests:	UL 864 9 th Edition, NFPA 72
Laboratories:	ETL (Intertek)
Report(s):	Report number 101196419NYM-001 to UL Standard 864 Ninth Edition. Dated September 30, 2003. Revised August 31, 2012
Description:	<p>The Electric Wet Chemical microprocessor-based control board is ETL Listed under Report number 101196419NYM-001 to UL Standard 864 Ninth Edition. The Electric Wet Chemical Fire Suppression uses electronic fire detection and activation paired with a traditional UL300 listed wet chemical fire suppression system.</p> <p>EWC Circuit Board - Provides all the necessary monitoring, timing and supervision functions required for the reliable operation of the EWC system. If a fault is detected anywhere in the EWC system, the audible alarm will periodically sound and the "Fire System Activated" light will flash a fault code or message via control package to indicate the specific fault detected.</p> <p>Independent Supervised Loops - The supervised loops incorporates both redundancy and fault detection. It is the means by which fire sensors and manual activation devices are connected to the system.</p>

Fire Department, City of New York

9 MetroTech Center, Brooklyn New York 11201-3857

The Firestat is a device installed in the hood's duct connection that measures temperature. The standard temperature setting is 360°F. If a temperature higher than the set point is sensed or a rapid rate of rise is detected, the Firestat contacts will close and energize the electrical control board.

Electric System with **Battery Backup** - The detection and manual activation device comprise an electric circuit that is connected to a battery backup system. In the event of a power outage, the power to all gas and electric appliances must be disrupted through the use of electric gas valves or shunt trip breakers. The battery powers the detection and manual activation device circuits, as well as monitoring those devices.

Conditions of Approval:

1. All uses, configurations, arrangements and functions, applications and installations shall comply with the provisions of New York City Construction Codes, specifically Building Code Chapter 9 & IRCNY §3616-04. Further, the installation shall be in accordance with applicable provisions of New York City Fire Code, New York City Electrical Code, manufacturer's installation requirements, and UL Standard 300.
2. Wet Chemical Fire Suppression System shall protect commercial cooking equipment and exhaust system.
3. A manual activation device shall be located at or near a means of egress from the cooking area and a minimum of 10 feet (3048 mm) and a maximum of 20 feet (6096 mm) from the kitchen exhaust system. The manual activation device shall be located a minimum of 42 inches (1067 mm) and a maximum of 48 inches (1219 mm) above the floor at its center.
4. The activation of the fire extinguishing system shall automatically shut down the fuel and electrical power supply to the cooking equipment. The fuel and electrical supply reset shall be manual.
5. When the building is protected by fire alarm system, the Electric Wet Chemical microprocessor-based control board shall be interconnected to fire alarm system and initiate alarm signal.
6. The above-referenced equipment shall be used only with listed equipment and devices, with which the compatibility has been determined by ETL Report.
7. ETL listing requirements and limitations shall be complied with.
8. Certificate of Approval number shall be plainly and permanently stamped or otherwise fixed upon each product by the applicant.
9. The Fire Department's conditions of approval shall be enumerated in the installation manuals and brochures that will be provided to all New York City buyers and users.

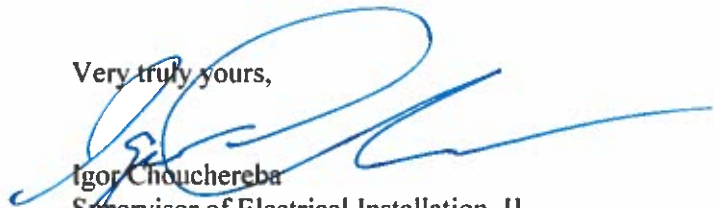
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FPIMS#: 38029450
February 22, 2018
Page 3 of 3

10. Fire Department 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.
11. The Fire Department reserves the right to 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.
12. As the manufacturer of this product, you should be aware that any end user who fails to comply with the condition as outlined in the approval would be subject to enforcement action, which may include fines and imprisonment.
13. This Certificate of Approval does not grant the right to use any trademark associated with the New York City Fire Department (the letters FDNY, the FDNY Shield design, the FDNY Maltese Cross design, and the seal of the City of New York). The unauthorized use of trademarks in connection with the sale of commercial goods or services violates federal and state laws.
14. Products marked to indicate the Certificate of Approval number might refer to the "NYC Fire Department" or "NYC Fire Dept." (e.g., "NYC Fire Dept. Certificate of Approval #XXXX).

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

When responding to this Department regarding this subject matter, kindly refer to F.P. Index # 1802002A and send it to Igor Chouchereba attention, 9 MetroTech Center, #1S-43-K, phone (718) 999-1997.

Very truly yours,



Igor Chouchereba
Supervisor of Electrical Installation, II
Technology Management

c: Tamara Saakian, P.E., Director of Technology Management.
cc: Trushant Shah, Deputy Director of Engineering, Technology Management