



# FDNY

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## CERTIFICATE OF APPROVAL # 5701 THIS CERTIFICATE IS REVOCABLE, NOT TRANSFERABLE AND EXPIRES ON February 17, 2021

March 28, 2018

Mr. Tim Kelley  
Technical Service Manager  
Giles Enterprises, Inc.  
2750 Gunter Park Drive West  
Montgomery, AL 36109

F.P. Index#: 1801069A

FPIMS#: 38008553

By order of Fire Commissioner, Daniel A. Nigro and pursuant to Section FC112-01 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:** Giles Enterprises, Inc.

**Product:** Prefabricated ventless/ductless commercial kitchen hoods with grease filters for use with UL listed commercial cooking appliances.

**Model Number:** FSH-3.5, FSH-4, FSH-5 and FSH-6 ductless hoods with built in grease filter for use in the NYC Department of Buildings ( DOB ) approved commercial kitchens at or above grade level.

**Pertinent Code Prescribed Tests:** § 112-01(b)(1)(D) and § 901.4.5 of New York City Fire Code  
UL710B, UL300, EPA Test Method 202 (and UL1046 / UL197 )

**Laboratory:** Underwriters Laboratories, Inc.

**Report:** File #:MH14950 Vol. 1 Sec. 1 Issued: 04-28-1992 Revised: 10/13/2017

This Certificate of Approval (COA) is conditionally issued upon our review of the independent nationally recognized laboratory testing reports and the actual test records for the built-in fire extinguishing system certifying that the above referenced products have been evaluated and tested for performance in accordance with the UL710B standard as adopted by 2014 Mechanical Code for use in approved locations within the City of New York (NYC).

We understand that the actual approval of these drawings by a New York City Department of Buildings (DOB) plan examiner is a time consuming process and as such we issue our conditional Certificate of Approval so as to allow you to expedite the use of this product while recognizing that DOB has the sole and final jurisdiction over the approval of these proposed design documents; this Certificate of Approval is **ONLY** addressing the product approval for use within the City of New York. Any objection or disapproval from DOB invalidates our COA and renders it null and void.

**Fire Department, City of New York**  
9 MetroTech Center Brooklyn New York 11201-3857

COA#5701 for Giles' ventless/ductless commercial kitchen hoods with grease filters  
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Additionally, this COA shall not be misconstrued or misrepresented the proposed installation drawing has been approved for compliance with New York City Fire Code. That approval will come after submission of the DOB approved (not just docketed) drawings to FDNY Range Hood Unit.

**Description:**

The Ductless hood assembly consists of exhaust blowers, two electrostatic precipitators, two metal baffle type grease filters, two air filters and two pre-air filters. The MEA listed (137-82-E Vol. II) baffle filters are manufactured by Component Hardware Group and the two charcoal filters are listed to UL 1046. The two EAC filters are tested and listed to UL 867. The two Pre-Filters are classified by UL (AJZV). The fire suppression system is listed to UL300/UL710B. These ductless hoods have two back up fusible links in the hood area. These links are also set for 165 degrees and will activate the fire suppression system.

The fire suppression system used in these hoods is directly linked to the appliance, if the fire suppression system activates the appliance will be shut down. A remote pull handle is also required for operator activation. In the event of a fire in the cooking appliance and the activation of the fire extinguishing system, the power to the cooking appliance is terminated. The hood blower will continue to operate. If the access door is open or the blower does not operate, the cooking appliance is de-energized. If the hood fails to operate, the cooking appliance is de-energized. If filters are operated until the point of filter blockage, the unit will cease to operate and de-energize the cooking appliance.

Grease Filter - The filter shall be a baffle type, constructed of aluminum or stainless steel and measuring approx 19-1/4 by 19-1/2 by 1-3/4 in. The filters consist of five baffles with spaces approx 3/4 in. high and spaced approx 7/8 in. apart.

Grease filter provided with Listed Omron, Cat. No. D4A-1101N interlock switch rated 10 A minimum, 250 V ac.

Fire Damper - Classified (ALBR), Ruskin, Model 1BD2, curtain type, provided with 285°F fusible link.

Access Doors - One on each side, Stainless Steel, No. 18 gauge minimum. Door dimensions 22 in. high by 16 in. wide. Welded hinged door with mechanical latch. Each access door panel provided with an interlock switch.

The ionizer-collector cell assembly consists of:

Recognized Component Electrostatic Air Cleaners (AGGZ2), Honeywell, Inc., ionizer-collector cell Part No. FC37A or FC37B.

Recognized Component Electrostatic Air Cleaners (AGGZ2), Air Quality Engineering Inc., Ionizer-Collector Cell.

Vacuum Interlock Switch - R/C (MFHX2) Cleveland Controls or Alternate provided by Honeywell No. BZ-2RQ-A2. or Alternate provided by Antunes Controls, Cat. No. SMD or as listed in File #: MH14950 Vol. 1 Sec. 2 or alternate item - Karl Dungs Cat. No. AA-A2-6-2.

Fusible Link - Ansul, Cat. No. 56811, marked 165°F. Part of fire extinguishing system.

WET CHEMICAL FIRE EXTINGUISHING SYSTEM - Ansul R-102 or Piranha system as listed in UL File #: MH14950 Vol. 1 Sec. 1.

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## **Conditions of Approval:**

1. **The ventless/ductless hoods shall ONLY be used within NYC Department of Buildings (DOB) approved commercial kitchens, plans for which shall be docketed (stamped, dated and numbered) by the New York City Department of Buildings and subject to the following restrictions:**
  - a. **Ventless hoods shall not be installed in the basement or cellar of any building.**
  - b. **Ventless hoods shall not be installed in any non-fireproof buildings.**
  - c. **Ventless hoods shall not be installed in any unsprinklered buildings.**
  - d. **Ventless hoods shall not be installed in any open spaces of shopping malls.**
- [NOTE:] **For locations that do not meet of the above criteria, a request for special consideration may be submitted for a site-specific approval of the use of light duty cooking /food warming operation within the City of New York.**
2. **Prior to installation of the above referenced ductless / ventless hood with cooking appliances, plans specifying the exact product name/model number and dimentions/specification must be filed with and accepted by New York City Department of Buildings(DOB). Additionally, a copy of DOB docketed (Stamped, numbered and dated) plans shall be transmitted to the Fire Department Range Hood Unit for review and approval if applicable.**
3. **The two EAC filters are to be cleaned nightly in an approved cleaning solution, an additional EAC filter will be on each site as back up. A stainless steel soak tank shall be provided to facilitate this cleaning procedure. Also, the baffle filter shall be cleaned nightly and it shall be cleaned in the 3 compartment sink, or in the soak tank.**
4. **The two Pre-filters must be changed every seven to ten days. The two Charcoal filters are to be changed monthly, they are disposable filters and can not be cleaned, change out shall follow the manufacturer's recommendation. Also, the inside of the hood should be cleaned monthly with the changing of the charcoal filter.**
5. **The fire extinguishing system shall be suitable for the above referenced hood, grease filter and cooking equipment and subject to the Range Hood Inspection Unit's approval.**
6. **Installation, maintenance, cleaning procedures and use of the above referenced products shall comply with all applicable New York City Fire Code, New York City Electric Code, Construction Codes, rules and regulations.**
7. **Underwriters Laboratories, Inc.'s listing requirements and manufacturer's installation, maintenance procedures and safety limitations shall be complied with.**

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8. The above referenced ductless hood unit shall be used for food warming, light duty/medium duty cooking only and the entire ductless hood with grease filter / air filter shall be inspected, cleaned and replaced if necessary, by qualified person hold Certificate of Fitness type W-64 or F-64. A record of such inspection and cleaning shall be kept on the premises for inspection.
9. Certificate of Approval number shall be plainly and permanently stamped or otherwise affixed upon each product by the manufacturer or by the local sales representative of the manufacturer.  
**NOTE:** Product must already be identified with Certificate of Approval number before it arrives at New York City job site.
10. All installations shall be subject to inspection by representatives of the Bureau of Fire Prevention which may result in added requirements being imposed.
11. The Fire Department reserves the right to make periodic inspections of the above referenced products without warning to ensure that maintenance requirements are being followed. These audit inspections will be solely at the discretion of the Fire Department.
12. The Fire Department's condition of approval shall be provided to all New York City buyers, users and installers.
13. The 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, as represented, meets the standards as of the date of issuance.

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

As the manufacturer of this equipment, you are required to notify any end user in the City of New York that failure to comply with the conditions as outlined in the approval will be subject to enforcement action which may include fines and imprisonment.

The 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.

Very truly yours,



Anthony Hsueh  
Senior Project Manager  
Technology Management