



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
280 Broadway, New York, NY 10007
Robert D. LiMandri, Acting Commissioner
(212) 566-5000, TTY: (212) 566-4769

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 53-07-E Vol. 2

Manufacturer: Hart & Cooley
5030 Corporate Exchange Blvd., S.E.
Grand Rapids, MI 49512

Trade Name(s): AMPCO

Product: Grease Ducts

Pertinent Code Section(s): Subchapter 13 and Reference Standard RS 13

Prescribed Test(s): UL 1978

Laboratory: Underwriters Laboratories, Inc.

Test Report(s): **UL File MH6774, Project 92SC3629 issued:-**
(a) May 20, 1992, revised March 29, 2007.
(b) May 17, 1992, revised March 29, 2007.
(c) May 18, 1992, revised March 29, 2007.
(d) May 19, 1992, revised March 29, 2007.
(e) May 15, 1992, revised March 29, 2007.

Description: Single-wall (Model VSI) and Double-wall (Models VSI-11 and IVSI) are sealed exhaust systems for discharging of smoke- and grease-laden vapors from kitchen appliances. The Single-wall and the inner wall of the Double-wall system are constructed of 20-gauge, Type 304 or Type 316 stainless steel. The outer wall of the Double-wall system is either aluminum-coated steel or Type 304 or Type 316 stainless steel. The outer wall is 24-gauge for 6" to 24" inside diameter and 20-gauge for 26" to 48" inside diameter. For the IVSI 1, 2 and 4 products, insulation between the inner and outer walls is one (1) inch thick ceramic blanket insulation of eight pound density with a total of 1", 2" or 4" of thickness, respectively. For the VSI-II product, insulation is a 1-inch air-gap between the inner and outer walls. For the single-wall VSI-I product, there is no insulation.

Installation Requirements:

| AMPCO Model No. | Duct Size (Inches) | Minimum Clearance to Combustibles (Inches) |
|-----------------|--------------------|--|
| VSI-I | 6-48 | 18 |
| VSI-II | 6, 8 | 7 |
| VSI-II | 10, 12 | 8 |
| VSI-II | 14, 16 | 9 |
| VSI-II | 18, 20 | 10 |
| VSI-II | 22, 24 | 11 |
| VSI-II | 26, 28 | 12 |
| VSI-II | 30, 32 | 13 |
| VSI-II | 34, 36 | 14 |
| VSI-II | 42 | 16 |
| VSI-II | 48 | 17 |
| IVSI-1 | 6-16 | 3 |
| IVSI-1 | 18, 20 | 4 |
| IVSI-1 | 22, 24 | 5 |

| AMPCO Model No. | Duct Size (Inches) | Minimum Clearance to Combustibles (Inches) |
|-----------------|--------------------|--|
| IVSI-1 | 26, 28 | 6 |
| IVSI-1 | 30, 32 | 7 |
| IVSI-1 | 34, 36 | 8 |
| IVSI-1 | 42 | 10 |
| IVSI-1 | 48 | 11 |
| IVSI-2, 4 | 6-16 | 1 |
| IVSI-2, 4 | 18, 20 | 2 |
| IVSI-2, 4 | 22, 24 | 3 |
| IVSI-2, 4 | 26, 28 | 4 |
| IVSI-2, 4 | 30, 32 | 5 |
| IVSI-2, 4 | 34, 36 | 6 |
| IVSI-2, 4 | 42 | 8 |
| IVSI-2, 4 | 48 | 9 |

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 17, 2008, F.P. Index #0801044B).

Terms and Conditions: The above-described grease ducts are accepted for the removal of smoke- and grease-laden vapors in commercial and institutional food-cooking equipment and similar systems, under the following conditions:

1. All uses, installation, maintenance and cleaning procedures shall be in accordance with all requirements of New York City Building Code, especially Reference Standard 13-3. Further, the installation and maintenance shall also comply with all applicable New York City codes, rules and regulations.
2. These grease ducts shall be installed with minimum clearance as per its listing requirements as shown above.
3. Any horizontal run of grease duct going through a vertical wall shall have a fire rating equal to greater than the wall’s fire rating.
4. Floor penetrations where grease duct will run through various floors where a two-hour shaft enclosure is required shall have grease ducts installed with reduced clearances as per manufacturer’s instructions and UL listing (as shown in above table).

5. Exterior installation outside of the building shall be in accordance with the manufacturer's instructions, UL listing and the New York City Building Code.
6. Exterior ducts shall be protected from corrosion.
7. Underwriters Laboratories, Inc.'s listing requirements and limitations shall be complied with.
8. Manufacturer's installation, maintenance procedures and limitations shall be complied with.

Final Acceptance August 20, 2008
Examined By Donald [Signature]