



Effective Date: July 2023

This listing is subject to re-examination in one year.

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CSI: DIVISION: 23 00 00 – HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)  
Section: 23 51 23 – Gas Vents

### Product certification system:

The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

Product: Centrotherm InnoFlue Polypropylene (PP) Special Flue Gas Venting System for Gas-Burning Appliances, US Categories II and IV and Canadian Type Gas Vent BH, Class II

Listee: Centrotherm Eco System, LLC  
428 Hudson River Rd.  
Waterford, NY 12188  
[www.centrotherm.com](http://www.centrotherm.com)

### Compliance with the following codes:

2024, 2021, 2018, 2015, and 2012 *International Fuel Gas Code® (IFGC)*  
2024, 2021, 2018, 2015, and 2012 *International Residential Code (IRC)*  
2024, 2021, 2018, 2015 and 2012 *Uniform Mechanical Code® (UMC)\**  
2022, 2019, 2016 and 2013 *California Mechanical Code (CMC)*  
2023, 2020 and 2017 *City of Los Angeles Mechanical Code*  
2021, 2018 and 2015 *National Fuel Gas Code (NFPA 54)*  
2020, 2015 and 2010 *Natural Gas and Propane Installation Code (CSA B149.1) \*\**

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### Compliance with the following standards:

UL 1738, Standard for Venting Systems for Gas-Burning Appliances, Categories II, III, and IV (3<sup>rd</sup> Edition)  
ULC S636, Standard for Type BH Gas Venting Systems (3<sup>rd</sup> Edition)  
ASTM F3371-2022, Polyolefin Pipe and Fittings for Drainage, Waste, and Vent Applications

**Identification:**

Each individual assembly or part, such as a vent pipe section, a vent pipe fitting, cap, support, or roof jack, shall be permanently marked (English and French) with the following:

- a) manufacturer's or private labeler's name or identifying symbol, temperature rating, and appliance category;
- b) nominal pipe size; and
- c) ICC-ES PMG listing mark (packaging acceptable).

In addition, a specific catalog designation shall be permanently marked on each pipe section, connector, ceiling plate spacer, firestop spacer, baseplate, and separate roof flashing and storm collar, if provided.

The exterior surface of each straight vent pipe section of 10 feet (3.05 m) or less in length shall be permanently marked in minimum 1/8 inch (3.2 mm) high white letters on an orange background with the word "WARNING" and the safety alert symbol located next to the wording as shown below.

Pipe sections longer than 10 feet (3.05 m) shall be marked at least once per each 10 feet (3.05 m) of length.

For non-metallic venting systems, the following or equivalent statement shall also be included on the same marking label or stamping in letters at least 1/16 inch (1.5 mm) high: "Risk of Carbon Monoxide (CO) Poisoning and Risk of Fire If Improperly Installed. Follow All Cautions, Warnings, and Instructions, Regarding Installation of Vent Pipe System."

The exterior surface of each vent pipe section shall be permanently marked with the statement "MINIMUM CLEARANCE - \_\_\_\_\_ INCH AIR SPACE TO COMBUSTIBLE MATERIALS AND BUILDING INSULATION", or equivalent. In the blank is to be entered the manufacturer's specified minimum clearance.

Each vent pipe section shall be permanently marked with an arrow, with the word "up", "out", "flow", or equivalent next to an arrow pointing in the direction of the intended flow.

Exception: This marking need not be provided if the orientation of the venting system does not affect the flow of the vent gases.

If a manufacturer produces vent parts at more than one factory, each individual part shall have a distinctive permanent marking to identify it as the product of a particular factory.

Each material furnished separately for use in fabrication of a venting system, such as tape, cement, adhesive, and the like shall be marked with sufficient identification (such as name and catalog designation of the venting system) to associate it with the marking on the venting system and the manufacturer's or vendor's installation instructions.

Exception: The marking need not be provided on the material if a marking specifying the use of the required material is provided on the venting system.

All required markings shall be grouped and, for vent pipe sections, located at intervals not exceeding once every 10 feet (3.0 m).

**Installation:**

The Centrotherm InnoFlue, 2504 or 100035 shall be installed in accordance with the manufacturer's instructions and the applicable code.

When the Centrotherm InnoFlue, 2504 or 100035 is to be used for venting gas-burning appliances, US Categories II and IV and Canadian Type Gas Vent BH, Class II, the installation shall be in accordance with Section 503 of the IFGC, Section G2407 of the IRC, Section 802 of the UMC, Section 12 of NFPA 54, or Section 8 of CSA B149.1, as applicable.

**Models:**

The Centrotherm InnoFlue, 2504 or 100035 PP models listed in this report comply with both UL 1738 and ULC S636. In addition, the models comply with ASTM F3371 for DWV applications.

Venting systems suitable for U.S. Category II and IV or Canadian Type Gas Vent BH, Class II heating equipment: 230°F (110°C) Max Flue Gas Temperature

Pipe Sizes: PP Single Wall Pipe 2" - 12", PP Flexible 2" - 6", Concentric with metal outer and PP inner 2/4" - 4/6" and Concentric with plastic outer and PP inner 3" - 5"

Fittings Models: 2504- or 100035-, ICVL, ICEL, ICTP, ICHDT, ICIA, ISVL, ISEP, ISEL, ISBS, ISHDT, IST, ISTCD, ISTC, ISTP, ISIA, ISRD, ISEI, IFVL, IFFS, IFSF, IFFF, IFEP, ISTT, ICCT, ICTC, IASP, ISAG, ISTAG, ISAGL, ISAAL, ISAA, ISAAR, ISAF, ISAUC, ICWS, ICRT, ISCP, ISCS, ISCM, ISBT, ISHDF, ISRTP, ISRT, IAAI, IASPP, IASSS, IASC, IANS, IALJS and ISBF Series

**Conditions of Listing:**

1. The Centrotherm InnoFlue, 2504 or 100035 must be installed in accordance with this listing, the applicable code and the manufacturer's published installation instructions.
2. Pipe, fittings, terminations and cements from different manufacturers shall not be mixed.
3. The Centrotherm InnoFlue, 2504 or 100035 is under a quality control program with annual inspections by ICC-ES.