



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: IPEX System 1738 Flue Gas Venting Systems for Gas-Burning Appliances, Categories II, III, and IV

Listee: IPEX USA LLC
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Ile des Soeurs, Verdun QC, Canada
www.ipex.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, 2013 and 2010 *California Mechanical Code (CMC)*
2023, 2020 and 2017 *City of Los Angeles Mechanical Code*
2024, 2021, 2018 and 2015 *National Fuel Gas Code (NFPA 54)*

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Compliance with the following standards:

UL 1738, Standard for Venting Systems for Gas-Burning Appliances, Categories II, III, and IV (4th Edition, 09-21-23)
ASTM D2665-2024, Standard Specification for Poly (Vinyl Chloride)(PVC) Plastic Drain, Waste, and Vent Pipe and Fitting

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 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 (optional).

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 IPEX System 1738 shall be installed in accordance with the manufacturer's instructions and the applicable code.

When the IPEX System 1738 is to be used for venting an appliance, the installation shall be in accordance with Section 503 of the IFGC G2407 of the IRC 802 of the UMC or Section 12 of NFPA 54, as applicable.

Models:

The IPEX System 1738 PVC models listed in this report comply with both UL 1738 and ASTM D2665.

Model Number	Description
Pipe (Schedule 40)	
394000	2" x 10ft PVC pipe
394001	3" x 10ft PVC pipe
394002	4" x 10ft PVC pipe
Teess H x H x 1/2" NPT	
397511	2" PVC FGV ACCESS TEE H x H x FPT
397512	3" PVC FGV ACCESS TEE H x H x FPT
397513	4" PVC FGV ACCESS TEE H x H x FPT
San Tees H x H x H	
397081	1 1/2" PVC FGV SAN TEE H x H x H
397822	3" x 2" PVC FGV SAN TEE H x H x H
397828	4"x2" PVC FGV SAN TEE H x H x H
Teess and Tee-Wyes H x H x H	
397019	2" PVC FGV TEE-WYE H x H x H
397082	2" PVC FGV TEE-WYE H x H x H
397083	3" PVC FGV TEE-WYE H x H x H
397084	4" PVC FGV TEE-WYE H x H x H
397056	2" x 1.5" PVC FGV REDUCER TEE H x H x H
397061	3" x 1.5" PVC FGV REDUCER TEE H x H x H
397185	3" x 2" PVC FGV REDUCER TEE H x H x H
397184	4" X 2" PVC FGV REDUCER TEE H x H x H
Couplings H x H (regular or deep socket)	
397352	2" PVC FGV COUPLING H x H
397453	2" PVC FGV DEEP SOCKET COUPLING H x H
397454	2 1/2" PVC FGV COUPLING H x H
397353	3" PVC FGV COUPLING H x H
397455	3" PVC FGV DEEP SOCKET COUPLING H x H
397354	4" PVC FGV COUPLING H x H
Increaser Couplings H x H	
397362	2" x 1 1/2" PVC FGV INCREASER COUPLING H x H
397364	3" x 2" PVC FGV INCREASER COUPLING H x H
397365	4" x 2" PVC FGV INCREASER COUPLING H x H
397366	4" x 3" PVC FGV INCREASER COUPLING H x H
22.5 Elbows H x H	
397252	2" PVC FGV 22-1/2° ELBOW H x H
397253	3" PVC FGV 22-1/2° ELBOW H x H
397254	4" PVC FGV 22-1/2° ELBOW H x H
90 Elbows H x H (extra short, regular, long, extra long)	
397121	1 1/2" PVC FGV 90° LONG ELBOW H x H
397035	2" PVC FGV 90° ELBOW H x H
397022	2" PVC FGV 90° LONG ELBOW H x H
397122	2" PVC FGV 90° LONG ELBOW H x H
397525	2 1/2" PVC FGV 90° ELBOW H x H
397025	3" PVC FGV 90° ELBOW H x H
397023	3" PVC FGV 90° LONG ELBOW H x H
397124	4" PVC FGV 90° LONG ELBOW H x H
90 Elbow Sp x H (regular and long)	
397232	2" PVC FGV 90° STREET ELBOW SP x H
397233	3" PVC FGV 90° STREET ELBOW SP x H
397234	4" PVC FGV 90° STREET ELBOW SP x H
45 Elbows H x H (regular, long and extra long)	
397241	1 1/2" PVC FGV 45° ELBOW H x H
397242	2" PVC FGV 45° ELBOW H x H
397010	2" PVC FGV 45° LONG ELBOW H x H

397018	2" PVC FGV 45° LONG ELBOW H x H
397487	2 1/2" PVC FGV 45° ELBOW H x H
397243	3" PVC FGV 45° ELBOW H x H
397011	3" PVC FGV 45° LONG ELBOW H x H
397244	4" PVC FGV 45° ELBOW H x H
45 Elbows Sp x H (regular and long)	
397071	2" PVC FGV 45° ELBOW H x SP
397223	3" PVC FGV 45° ELBOW H x SP
397117	4" PVC FGV 45° ELBOW H x SP
Reducer Bushings Sp x H (flush or hex)	
397282	2" X 1.5" PVC FGV REDUCER BUSHING H x SP
397667	2 1/2"x2" PVC FGV RED. BUSHING SP x H
397284	3" X 2" PVC FGV REDUCER BUSHING H x SP
397673	3"x2 1/2" PVC FGV RED. BUSHING SP x H
Reducer Bushing Sp x Barb	
397278	1.5" X 0.5" PVC FGV REDUCER BUSHING SP x HOSE BARB
Cements and Primers	
397040	PVC FGV CEMENT MEDIUM BODIED (LOW VOC) - PINT
397041	PVC FGV CEMENT MEDIUM BODIED (LOW VOC) - QUART
397042	PVC FGV PRIMER (LOW VOC) - PINT
397043	PVC FGV PRIMER (LOW VOC) - QUART

Conditions of Listing:

1. The IPEX System 1738 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 IPEX System 1738 is under a quality control program with annual inspections by ICC-ES.