



WARDFLEX® II INFORMATION CARD

STOP! READ! FUEL GAS CAN BE DANGEROUS!

TO WARDFLEX® II CONSUMER:

Thank you for using our WARDFLEX® II product. We are proud of our quality products. Please read this WARDFLEX® II Information Card before using your WARDFLEX® II system.

- A gas delivery system consisting of CSST offers certain advantages over other gas delivery systems because of its wall thickness and corrugated design. While CSST provides advantages over more rigid gas delivery systems like steel pipe, CSST's wall thickness may make it more likely than rigid steel pipe to be punctured by a nail or other sharp object, or by other extraordinary forces such as a lightning strike. It is well known that lightning is a highly destructive force. Your WARDFLEX® II system must be properly bonded and grounded. In order to maximize protection of your entire structure from lightning damage, you should consider installation of a lightning protection system per NFPA 780 or local codes, particularly in areas prone to lightning.

- WARDFLEX® II has been laboratory tested and listed in accordance with ICC LC1024 and is shown to resist a transient arc of 1000 amps minimum peak delivering 4.5 coulombs within 20 milliseconds (0.020 seconds). Assumed energy associated with a transient arc from lightning inside a building is less than 2.00 coulombs, providing a factor of safety of 2.25 for WARDFLEX® II. Evaluation of this product for an arc exceeding this level or a direct strike from lightning is outside the scope of this listing.

- Do not allow acids, bases, salts, or other caustic materials to come in contact with your WARDFLEX® II system. Some compounds that have been identified as corrosive to 304 stainless steel include muriatic acid, brickwash, soldering flux, pool algacide, bleach or pool chemicals, fungicides or wood preservatives, swimming pool flocculent, scale removers, salt water, battery acid, and dishwashing soap. Any contact by these materials with your WARDFLEX® II system should be immediately and thoroughly washed off.

- If you smell gas, do not touch any electrical switch; do not use any phone in your structure. Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions. If you cannot reach your gas supplier, call the fire department.

- Installation and service must be performed by an installer trained and certified by Ward Manufacturing LLC.

- For more information, please call your installer or visit www.wardflex.com.

TO WARDFLEX® II INSTALLER:

In addition to following the installation procedures set forth in the current WARDFLEX® Design & Installation Guide, please be sure to do the following:

- Tie a copy of this card to a fitting for the WARDFLEX® II system that will be visible to the homeowner after installation.
- Leave a copy of this card with the builder in the case of installation of WARDFLEX® II as part of a new home.

WARDFLEX® II

WARDFLEX® Design and Installation Guide Supplement

The intent of this document is to provide supplemental instructions to be used in conjunction with the June 2009 edition of the WARDFLEX® Design and Installation Guide for the installation of the WARDFLEX® II Corrugated Stainless Steel Tubing piping system. Design and installation aspects of the WARDFLEX® II system such as, sizing, routing, and protection are the same as the WARDFLEX® system and must follow the practices as detailed in the WARDFLEX® D&I Guide.

While similar to the WARDFLEX® Corrugated Stainless Steel Tubing piping system, the WARDFLEX® II CSST piping system has no additional bonding requirements imposed by the manufacturer. WARDFLEX® II is to be bonded in accordance with the National Electrical Code NFPA 70 Article 250.104 in the same manner as the minimum requirements for rigid metal piping. Installers must always check local codes to verify there are no conflicts with these instructions. In the event of a difference between local code and WARDFLEX® II electrical bonding instructions, local code will take precedence.

Additionally, WARDFLEX® II has not yet been tested for compliance with ASTM E84 "Standard Test Method for Surface Burning Characteristics of Building Materials". Installers should check local building codes to ensure compliance with applicable flame spread and smoke density requirements for nonmetallic materials.

Testing performed to evaluate WARDFLEX® II ability to mitigate damage caused by arcing typically associated with indirect lightning strikes: ICC Evaluation Service Product Certification PMG-1100

Conditions of Listing:

1. WARDFLEX® II has been tested (in accordance with LC1024) and shown to resist a transient arc of 1000 amps minimum peak delivering 4.5 coulombs within 20 milliseconds (0.020 seconds). Assumed energy associated with a transient arc from lightning inside a building is less than 2.00 coulombs, providing a factor of safety of 2.25 for WARDFLEX® II. Evaluation of this product for an arc exceeding this level or a direct strike from lightning is outside the scope of this listing.
2. The CSST piping system must not be used as a grounding electrode for an electrical system.
3. Additional information and requirements are defined in ICC-ES ESR-1879
4. WARDFLEX® is manufactured by Ward Manufacturing LLC® in Blossburg, Pennsylvania, under a quality control program with annual surveillance inspections by CSA International (AA-659).

For additional questions about the WARDFLEX® II CSST system please contact Ward Manufacturing LLC.