

WARDFLEX



Technical Bulletin: # 16 – Addendum – 10/22/07

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This document is intended to clarify Ward Manufacturing's requirements for Electrical Bonding and Grounding of WARDFLEX® CSST. To be used in conjunction with Technical Bulletin # 16

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In addition to the requirements of NFPA 54 Section 7.13, Ward Manufacturing requires a supplemental bonding connection to be installed by a qualified electrician (or other qualified technician) on all WARDFLEX® gas piping systems even if the WARDFLEX® is connected to an electrical appliance. The supplemental bond shall be routed in the following manner:

STEPS:

1. A UL 467 approved bonding clamp must be attached to one of the following points within the gas piping system:
 - a WARDFLEX® CSST brass fitting;
 - a metallic manifold within the piping system; or
 - any metallic section of rigid gas pipe within the gas system.
2. A minimum of a # 6 AWG copper wire must be routed from the clamp to one of the following acceptable connection points:
 - the equipment grounding lug within the electrical service panel;
 - any other metallic pipe within the structure that is bonded to the earth ground electrode system (i.e. water pipes); or
 - the earth ground electrode for the electrical service panel.

Ward Manufacturing only requires one supplemental bonding connection per gas piping system.

The requirements of Technical Bulletin #16 and this Addendum exceed the requirements of NFPA 54 Section 7.13.

Local codes should be consulted before performing electrical bonding and grounding of WARDFLEX®. In the event of a conflict between Ward Manufacturing's installation instructions for bonding and grounding WARDFLEX® and local code requirements, Ward Manufacturing recommends that the more restrictive requirement should govern the installation. Please consult your local code to determine the proper method for the resolution of a conflict between these requirements and applicable code.
