



# Certificate of Compliance

**Certificate:** 1346607 ((LR 116197))

**Master Contract:** 216815

**Project:** 1916585

**Date Issued:** 2007/05/31

**Issued to:** **BH Thermal Corporation**

**1055 Gibbard Ave  
Columbus, OH 43201  
USA**

**Attention: Michael Neal**

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'*



**Issued by:** Ron Wachowicz, C.E.T.

**Authorized by:** Patricia Pasemko, Operations Manager

## **PRODUCTS**

**CLASS 2878 02** - HEATERS - Miscellaneous - For Hazardous Locations

**CLASS 2878 82** - HEATERS-Miscellaneous - For Hazardous Locations-Certified to U.S. Standards

### **Class I, Division 1, Groups B, C and D**

Fiberglass Heating Jacket, permanently connected, Enclosure rated Type 3, Model series:

HCW-X-Y-Z-1 rated 120 Vac, 60 Hz., 1-Phase, maximum 150 watts,

HCW-X-Y-Z-2 rated 240 Vac, 60 Hz., 1-Phase, maximum 150 watts,

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.



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for use on metal tanks and vessels

where the “X” in the model designation is a number to denote the diameter in inches, min. 8, max 15

where the “Y” in the model designation is a number to denote the length in inches, min. 15, max. 51

where the “Z” in the model designation is a number to denote the power in watts, 50, 100 or 150 watts max.

Note: Model Series HCW-X-Y-Z is not subject to Re-Ex Testing

#### **APPLICABLE REQUIREMENTS**

CSA Standard C22.2 No. 0-M1991 - General Requirements Canadian Electrical Code Part II.

CSA Standard C22.2 No. 0.4-M2004 - Bonding and Grounding of Electrical Equipment (Protective Grounding)

CSA Standard C22.2 No. 30-M1986 - Explosion-Proof enclosures for Use in Class 1, Hazardous Locations

CSA Standard C22.2 No. 88-1958 - Construction and Test of Industrial Heating Equipment

CSA Standard C22.2 No. 94-M1991 - Special Purpose Enclosures

CSA Standard C22.2 No. 130-M2003 - Requirements for Electrical Resistance Heating Cables and Heating Device Sets

UL Standard 50, Eleventh Edition - Enclosures for Electrical Equipment

UL Standard 823, Eighth Edition - Electric Heaters For Use In Hazardous (Classified) Locations

UL Standard 886, Tenth Edition - Outlet Boxes and Fittings For Use In Hazardous (Classified) Locations