



1. **ATEX Conformity Certificate**
2. **Equipment intended for use in potentially explosive atmospheres**
3. **Certificate Number:** ExVeritas 11ATEX1002
4. **Equipment:** Range of Liquid immersion Heaters
5. **Manufacturer:** Hotstart, Inc.
6. **Address:** 5723 E. Alki, Spokane Valley, WA 99212, USA.
7. **This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to. The examination and test results are recorded in confidential report no: EVL0016/1.**
9. **The equipment has been assessed against the Essential Health and Safety Requirements of the ATEX Directive for Category 3 Equipment and is in compliance in full or in part with the following standards:**

EN60079-0:2009
EN60079-15:2010
11. **ExVeritas takes no responsibility for the validity of any information or data supplied by the manufacturer on which parts of the ATEX assessment may be based upon.**
12. **Certificate coding:**  II 3 G Ex nA II T5



On behalf of ExVeritas



Sean Clarke CEng MSc MIET
Certification Manager

Date: 14 February 2011



13. **Schedule**

14. **Certificate Number**

ExVeritas 11ATEX1002

15. **Equipment Description**

Liquid immersion heaters with various connection types: 1 inch to 2 inch N.P.T. (National Pipe Thread), Flanged, Clamped or Special Threading. Including mounting, tubular hair-pin element type, 1 inch maximum conduit openings, with or without internal temperature control. Rated one and three phase, 600V max, 36KW max for coolant, 12KW max for oil heating applications. The elements are terminated in to a cast aluminium alloy enclosure with internal threads at top to accept a threaded cover, with two NPT threaded cable entries.

16. **Descriptive Documents**

16.1 **Report No**

EVL0016/1

16.2 **Design Drawings**

The design specification drawings for the equipment are held in ExVeritas project file number: EVL0016.

17. **Conditions of Certification**

17.1 **Routine Tests**

An electrical strength test shall be performed on each unit: 500V d.c. shall be applied between the electrical circuits and the terminal enclosure without breakdown.

17.2 **Use of an Optional Temperature Sensor**

The use of a temperature sensors fitted into the thermal well within the heater's terminal enclosure is permitted provided the sensor is suitably approved.

18 **Marking**

The equipment shall be marked with the following information in a legible and durable manner:

The name and address of the manufacturer:	Hotstart, Inc. Spokane USA
The type identification:	xxxxx
A serial number & year of construction	nnnn/yyyy
Marking required by Directive 94/9/EC:	 II 3 G
The certification code:	Ex nA II T5
The certificate number:	ExVeritas 11ATEX1002
The warning:	Do Not Open When Energised