



Certificate of Compliance

Certificate: 70056306

Master Contract: 211066

Project: 70056306

Date Issued: 2017-03-29

Issued to: Trivolt Industries
4491 des Grandes-Prairies blvd.
Montreal, Quebec H1R 1A5
CANADA
Attention: Roberto Di Marzio

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: Steven Simkevitz
Steven Simkevitz

PRODUCTS

CLASS - C287802 - HEATERS-Miscellaneous - For Hazardous Locations

CLASS - C287882 - HEATERS-Miscellaneous-For Hazardous Locations-Certified to U.S. Standards

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

Class I, Division 1, Group D; Class II, Division 1, Groups E, F and G; Class III; T4; Type 4, 4X, 12;

- Flange immersion heaters, Series ALIM-X-XXX-X and SSS-X-XXX-X followed by alphanumeric suffixes denoting electrical and mechanical variations; 0.5 to 96 kW, 208 to 600V, 1 or 3 phases at 60 Hz; MWP 150 psi (1034 kPa); Tambient is -20 °C to 40 °C.

Notes:

1. Certification is conditional on the provision of an approved certified liquid level switch or control to assure safe operation in the event of a system malfunction.
2. This certification is conditional on the provision of an approved certified temperature limiting switch or control to assure safe operation in the event of a system malfunction.
3. This certification is conditional on the provision of an approved certified pressure switch or control to assure safe operation in the event of a system malfunction.
4. The max temperature of oil as condition of operation for the immersion heaters 480V, 575V&600V, 60HZ, 3ph, 96 k W max will be 127 °C (260 °F).



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5. Type 4X applies to stainless steel models only.
6. Immersion heaters are to be completely immersed.
7. Instruction manual shall be referred to for installation and proper use.

APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No. 0-10	-	General requirements — Canadian Electrical Code, Part II
CAN/CSA C22.2 No. 25-1966	-	Enclosures for Use in Class II Groups E, F, and G Hazardous Locations
CAN/CSA C22.2 No. 30-M1986	-	Explosion-proof enclosures for use in class I hazardous locations
CAN/CSA C22.2 No. 72-10	-	Heater elements
CAN/CSA C22.2 No. 94.2-15	-	Enclosures for electrical equipment, environmental considerations
UL 50E, Second Edition	-	Enclosures for electrical equipment, environmental considerations
UL 499, Fourteenth Edition	-	Electric Heating Appliances
UL 823, Ninth Edition	-	Electric Heaters For Use in Hazardous (Classified) Locations



Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
70056306	2017-03-29	Original certification of explosionproof 150 and 300 lbs flange immersion heaters in stainless steel or aluminum.