



# Certificate of Compliance

**Certificate:** 1382667 **Master Contract:** 165183  
**Project:** 80172974 **Date Issued:** 08/01/2023  
**Issued to:** Watlow Electric Manufacturing Co.  
12001 Lackland Rd RR 2  
St Louis, Missouri 63146  
United States  
**Attention:** Jake Spooler

*The products listed below are eligible to bear the CSA Mark shown*



**Issued by:** *Mirjana Djuric*  
Mirjana Djuric

## PRODUCTS

C287102 HEATERS - Miscellaneous

### **PART A - Firerod heater, cartridge type**

| Models  | Power (W max) | Voltage (V max) | Watts Density  |
|---------|---------------|-----------------|----------------|
| Type CR | 5500          | 575             | 282W max/in-sq |

May be followed by suffixes .Example CR-6

### **PART B - AB heater, cartridge type, moisture resistant**

| Models  | Power (W max) | Voltage (V max) | Watts Density  |
|---------|---------------|-----------------|----------------|
| Type AB | 2400          | 240             | 100W max/in-sq |

### **PART C - To re-instate sump heaters, cartridge type**

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| Models   | Power (W max) | Voltage (V max) | Watts Density     |
|----------|---------------|-----------------|-------------------|
| Type ACW | 85            | 240             | 45W max/linear in |

**PART D - Firerod heaters, cartridge type**

| Models     | Power (W max) | Voltage (V max) | Watts Density  |
|------------|---------------|-----------------|----------------|
| Type CR-10 | 5500          | 240             | 282W max/in-sq |

Notes:

- 1.Heater elements are Certified as components where the suitability of the combination is to be evaluated by CSA International or other Regulatory Authorities.
- 2.Heater elements are Certified for use in applications where the sheath temperature does not exceed the maximum temperature limits specified in CSA No. 72.
- 3.Sump heaters Type ACW also include a distinctive model designation indicating variations in volts, watts and length, and additionally having suffixes A to Z indicating variation in length of leads and flexible conduit, and element sheath material.
- 4.The "max watts per linear in" refer to the heated portion of sump heaters.
- 5.Suffix numbers and letters may be added to heaters Types CR (i.e. CR-6, CR-7, CR-10) and AB types, to denote alternate methods of construction and lead termination as noted below.
- 6.Types CR-LL, CR-8 and AB-6 are provided with moisture proof construction.



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**APPLICABLE REQUIREMENTS**

CSA C22.2 NO. 72-10 (R2019) - Heater elements - Third Edition

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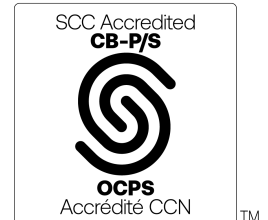
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Notes:

Products certified under Class C287102 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)





## 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  |
|------------|-------------------|--|
| 80172974   | August 01, 2023   | Update to the report for the addition of alternate material (core , end piece and spacer) following the Factory Inspection Report May 4, 2023  |
| 80012061   | August 07, 2019   | Update Report 1382667 to include the option for laser marked element sheath in addition to die stamped.  |
| 70146502   | July 13, 2017     | Update report 1382667 to cover addition of sheath diameters 12mm, 12.5mm, 16mm and 20mm to the constructions in Part A, Section D (a) and (b); and sheath diameters 6.5mm, 8mm, 12mm, 12.5mm, 16mm and 20mm to the construction in Part A Section D (c). |
| 70141276   | June 28, 2017     | Update report 1382667 to add sheath diameters 6.5mm, 8mm, 12mm, 12.5mm, 16mm and 20mm to the models in Part A, Section A   |
| 2393658    | March 10, 2011    | Update report 1382667 to cover voltage increase from 240V to 575V for heater model CR  |
| 2385548    | January 10, 2011  | Update report 1382667 to cover alternate construction  |
| 2056800    | July 21, 2008     | Update report 1382667 to cover additional flexible conduit supplier  |
| 1912720    | June 27, 2007     | Add new series CR-10 similar to series type CR   |
| 1382667    | January 16, 2003  | Supersede LR 7392-20 to cover addition of fire-rod heater, Type CE-9 with thermal cut-off  |
| LR 7392-40 | May 30, 1996      | Update report to cover alternate thermostat  |
| LR 7392-31 | December 02, 1991 | Update report to cover alternate thermostat to be used with firerod heaters, Type CR   |
| LR 7392-30 | April 30, 1991    | Update report LR 7392-20 to cover alternate terminations per Drawings SK-3765 and SK-3766  |

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LR 7392-20    December 22, 1986    Original Report

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