

Heat Exchanger CRN Supplement - Reciprocal

Note: Any personal information collected is handled in accordance with the British Columbia *Freedom and Protection of Privacy Act*. If you have questions about the collection, use, or disclosure of this information, contact the Records, Information and Privacy Analyst for Technical Safety BC at 1-866-566-7233

This supplement form is to be completed and signed for a heat exchanger reciprocal registration.

Drawing #: _____ Revision: _____ Title: _____

CRN #: _____ Date of Initial Registration: _____

HEAT EXCHANGER TYPE (Check One)

- | | | | |
|---|--|---|-----------------------------------|
| <input type="checkbox"/> IT Intercooler | <input type="checkbox"/> AF Aftercooler | <input type="checkbox"/> AE Aircooler | <input type="checkbox"/> PE Plate |
| <input type="checkbox"/> CT Coil Tube | <input type="checkbox"/> TE Shell & Tube | <input type="checkbox"/> HX Non-Specific Heat Exchanger | |

CODE OR STANDARD OF DESIGN (Check One)

- | | |
|--|--|
| <input type="checkbox"/> ASME Section I | <input type="checkbox"/> ASME B31.1 |
| <input type="checkbox"/> ASME Section IV | <input type="checkbox"/> ASME B31.3 |
| <input type="checkbox"/> ASME Section VIII, division 1 | <input type="checkbox"/> ASME B31.5 |
| <input type="checkbox"/> ASME Section VIII, division 2 | <input type="checkbox"/> CSA B51 |
| <input type="checkbox"/> ASME Section VIII, division 3 | <input type="checkbox"/> CSA B52 |
| <input type="checkbox"/> ASME PVHO-1 | <input type="checkbox"/> Other (specify) _____ |

DESIGN AND SECTION DETAILS (Complete and Check Applicable Units)

Heat Exchange Area: _____ m²

Overall Vessel Length _____ ft

Note: vessels with an overall length greater than 20ft (6.1 meters) must have detailed seismic and loading calculations submitted (see boiler and pressure vessel registration guide)

Section Name: _____ (eg. Shell, Tube, Path)

| | | | | | | |
|----------|-------|--------------------------------|---------------------------------|---------------------------------|-------------------------------|--|
| MAWP | _____ | <input type="checkbox"/> kPa | <input type="checkbox"/> bar | <input type="checkbox"/> psig | | |
| MAWT | _____ | <input type="checkbox"/> deg C | <input type="checkbox"/> deg F | | | |
| MDMT | _____ | <input type="checkbox"/> deg C | <input type="checkbox"/> deg F | | | |
| Diameter | _____ | <input type="checkbox"/> mm | <input type="checkbox"/> meters | <input type="checkbox"/> inches | <input type="checkbox"/> feet | |
| Length | _____ | <input type="checkbox"/> mm | <input type="checkbox"/> meters | <input type="checkbox"/> inches | <input type="checkbox"/> feet | |
| Width | _____ | <input type="checkbox"/> mm | <input type="checkbox"/> meters | <input type="checkbox"/> inches | <input type="checkbox"/> feet | |

Section Name: _____ (eg. Shell, Tube, Path)

| | | | | | | |
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| Length | _____ | <input type="checkbox"/> mm | <input type="checkbox"/> meters | <input type="checkbox"/> inches | <input type="checkbox"/> feet | |
| Width | _____ | <input type="checkbox"/> mm | <input type="checkbox"/> meters | <input type="checkbox"/> inches | <input type="checkbox"/> feet | |

Heat Exchanger Reciprocal Compliance Declaration

I declare that the submitted design in this application conforms to the design that has been previously registered by another Province and that documentation of previous registration is provided.

Name _____ Signature _____ Date _____