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June 1, 2022

ROUND ENGINEERING INC  
10 SEGWUN RD  
WATERDOWN ON L8B 0K6

**Workorder Type:** Registration - Fitting(Conventional)  
**Workorder No:** 8100544  
**Your Reference No.:** R-1227N2  
**Registered to:** GUNTNER DE MEXICO S.A. DE C.V.

Dear SCOTT ISLIP,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN : 0H20482.5ADD1

Main Design No.: Scope of CRN registration, drawing 300-0000931372 Rev 0 ( sheet 1 & 2)

Expiry Date: Jun 25, 2028

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

**Note:** Addition of fitting design to exist CRN 0H20482.5.

The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto:customerservices@tssa.org). We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Ruiming You P,ENG  
Engineer, BPV  
Tel. : +1 416-734-3428  
Email : [ryou@tssa.org](mailto:ryou@tssa.org)



Technical Standards and Safety Authority  
 345 Carlingview Drive  
 Toronto, Ontario M9W 6N9  
 www.tssa.org

Show facsimile  
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## STATUTORY DECLARATION Registration of Fittings

I, JAMISON DITTHARDT, PRODUCT AND SOLUTIONS DEVELOPMENT MANAGER

*(Name and Position, e.g. President, Plant Manager, Chief Engineer)*

of GUNTNER DE MEXICO, S.A. DE C.V.

*(Name of Manufacturer)*

**Located at** Av. Rogelio Gonzalez Caballero No. 1000, Parque Industrial Stiva (81) 81560600  
Aeropuerto, 66600 Apodaca, N.L., Mexico \_\_\_\_\_  
*(Plant Address) (Telephone No.) (Fax No.)*

do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME SECTION VIII-1, ASME B31.3, ASME B31.5

*(Title of recognized North American Standard)*

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with \_\_\_\_\_ as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001 which has been verified by the following authority, TUV-SUD.

The items covered by this declaration, for which I seek registration, are category H FITTINGS - Heat Exchanger type fittings. In support of this application, the following information and/or test data are attached as follows:  
SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS

*(drawings, calculations, test reports, etc.)*

Declared before me at Chicago in the Illinois of cock.  
 the 17 day of Dec AD 20 20.

Commissioner for Oaths:  
Melissa Sanchez  
*(Printed name)*  
[Signature]  
*(Signature)*



[Signature]  
*(Signature of Declarer)*

### FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category \_\_\_\_\_.

CRN: \_\_\_\_\_  
 Registered by: \_\_\_\_\_  
 Dated: \_\_\_\_\_

Technical Standards and Safety Authority      Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0H20482.5ADD1  
 Signed: [Signature]  
 Date: June 1, 2022.

See Scope of CRN registration.

**NOTE: This registration expires on: June 25, 2028**

*\*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.*



THIS IS PART OF CRN  
 OH20482.5ADD1  
 Technical Standards and Safety Authority  
 Boilers and Pressure Vessels Safety  
 Program

**SCOPE OF CRN REGISTRATION**

Product Description	Drawing No.	Design Code	MAWP at MAWT	Material Specification	Header "d2" Connection Sizes	Report Number
Heat Exchanger	300-0000931372 Rev. 0	ASME Section VIII-1	120 barg at 140°C / 1740 psig at 284°F	Stainless Steel ( <b>Note 3</b> ) ASME SA312-304/304L/316/316L, ASME SA249-304/304L/316/316L, ASME SA240-304/304L/316/316L, ASME SA479-304/304L/316/316L, ASME SA182-304/304L/316/316L, ASME SA403-304/304L/316/316L	1/2" Sch. 40, 3/4" Sch. 40, 1" Sch. 40, 1-1/4" Sch. 40 1-1/2" Sch. 40 2" Sch. 40 2-1/2" Sch. 40	R-1227A Rev. 0
Header "d2" Extensions	Extensions for Heat Exchanger shown on drawing 300-0000931372 Rev. 0	ASME B31.3, ASME B31.5.	120 barg at 140°C / 1740 psig at 284°F	Carbon Steel ASTM A53-E/B, ASTM A106-B	1/2" Sch. 40, 3/4" Sch. 40, 1" Sch. 40, 1-1/4" Sch. 40 1-1/2" Sch. 40 2" Sch. 40 2-1/2" Sch. 40	R-1227B Rev. 0
Header "d2" Extensions	Extensions for Heat Exchanger shown on drawing 300-0000931372 Rev. 0	ASME B31.3, ASME B31.5.	70 barg at 140°C / 1015 psig at 284°F	Copper ASTM B543 UNS C19400 W061	1/2" x 1.5 mm wall thk. 3/4" x 1.9 mm wall thk. 1" x 1.9 mm wall thk. 1-1/4" x 2.7 mm wall thk. 1-1/2" x 2.7 mm wall thk. 2" x 3.55 mm wall thk.	R-1227B Rev. 0
Header "d2" Extensions	Extensions for Heat Exchanger shown on drawing 300-0000931372 Rev. 0	ASME B31.3, ASME B31.5.	70 barg at 140°C / 1015 psig at 284°F	Copper ASTM B543 UNS C19400 WC55	1/2" x 1.5 mm wall thk. 3/4" x 1.9 mm wall thk. 1" x 1.9 mm wall thk. 1-1/4" x 2.7 mm wall thk. 1-1/2" x 2.7 mm wall thk. 2" x 3.55 mm wall thk.	R-1227B Rev. 0

**Note 1:** MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature,

**Note 2:** For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

**Note 3:** In all cases stainless steel shall be dual rated Type 304/304L or Type 316/316L.