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[www.tssa.org](http://www.tssa.org)

January 22, 2019

SCOTT ISLIP  
ROUND ENGINEERING INC  
10 SEGWUN RD  
WATERDOWN ON L8B 0K6  
CA

**Service Request Type:** BPV-Fitting Registration  
**Service Request No.:** 2472866  
**Your Reference No.:** R-0984B  
**Registered to:** CORROSION RESISTANT PRODUCTS LIMITED

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 :** 0H21019.5  
**Main Design No.:** HEAT EXCHANGER - S0811 SHT 1,2,3 REV 00, S0807 SHT3 REV 00  
**Expiry Date:** 22-Jan-2029

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

A stamped copy of the approved registration and invoice for engineering services will be mailed to you shortly. Should you have any questions or require further assistance, however, 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,

Kaivan Kia P. Eng., PMP  
Mechanical Engineer, BPV  
Tel. : 416-734-3457  
Fax : 416-231-6183  
Email : [kkia@tssa.org](mailto:kkia@tssa.org)

**Putting Public Safety First**



**TECHNICAL STANDARDS & SAFETY AUTHORITY**  
 14th Floor, Centre Tower  
 3300 Bloor Street West  
 Toronto, Ontario  
 Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



## STATUTORY DECLARATION Registration of Fittings

I, David MacGregor, Engineering Manager  
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Corrosion Resistant Products Limited  
(Name of Manufacturer)

Located at Todmorden Road, Littleborough, OL15 9EG, United Kingdom +441706756404  
(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 B31.3

(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 9001:2015 which has been verified by the following authority, ALCUMUS ISOQAR

The items covered by this declaration, for which I seek registration, are category H - HEAT EXCHANGER type fittings. In support of this application, the following information and/or test data are attached as follows:

SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS

(drawings, calculations, test reports, etc.)

Declared before me at Todmorden in the County of West Yorkshire  
 the 17th day of December AD 2018

Commissioner for Oaths:

ALAN GODFREY PICKENS  
(Printed name)  
[Signature]  
(Signature)

**WRIGLEY CLAYDON**  
 21/23 WATER STREET  
 TODMORDEN  
 WEST YORKSHIRE  
 LS14 5JZ

David MacGregor  
(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 H

CRN: 0421019.5

Registered by: K. Kei

Dated: Jan 22/19

NOTE: This registration expires on Jan 22/2029

Pressure Vessels  
Safety Program

**REGISTERED**

CRN: 0421019.5

Signed: [Signature]

Date: Jan 22/19

PV 09553 (06/04)

See one sheet of attachment  
 For scope. KK 1/22/19



**CORROSION RESISTANT PRODUCTS LIMITED**  
TODMORDEN ROAD  
LITTLEBOROUGH  
OL15 9EG, UNITED KINGDOM

13-Dec-18

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**SCOPE OF CRN REGISTRATION**

Product Description	Model	End Connection Inlet/Outlet	Drawings	Design Code	Body Material Specification	Shell Housing Design Conditions		Report Number
						Internal	External	
Heat Exchanger	250 ml	2" ASME BPE Ferrule x 1-1/2" ASME BPE Ferrule	SO807 R.0 SO811 R.0 SO826 R.0	ASME B31.3	Hastelloy C276 ASTM B574 UNS N10276	10 barg at 150°C / 145 psig at 302°F <b>(Note 2)</b>	3.44 barg at 150°C / 50 psig at 302°F <b>(Note 2)</b>	R-0984B

**Note 1)** The ASME BPE Ferrule connections shall be used with a clamp, however the assembly clamp is not part of this CRN. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. The clamp used to complete the joint shall have its own CRN and shall have pressure-temperature ratings the same or higher than the product ratings.

**Note 2)** The Jacket design conditions are 3.44 barg at 65.6°C / 50 psig at 150°F. The Jacket is to contain only liquids not more hazardous than water therefore per CSA B51 Figure 1(a) the jacket is exempt from CRN registration and is not part of this CRN.