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November 12, 2018

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

Service Request Type: BPV-Fitting Registration
Service Request No.: 2420780
Your Reference No.: R-0922
Registered to: WEST WARWICK WELDING INC

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 No.: 0H20845.5
Main Design No.: APD 5.0-4000 REV 01
Expiry Date: 12-Nov-2028

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

The stamped copy of the approved registration and the invoice are mailed separately. 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. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Charley Dong, M.Sc. P.Eng.
Mechanical Engineer

Tel.: 416-734-3436
Fax: 416-231-6183
Email: cdong@tssa.org



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

WEST WARWICK
WELDING

STATUTORY DECLARATION
Registration of Fittings

I, BRANDON CARDOZA, QUALITY ENGINEER

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

of WEST WARWICK WELDING

(Name of Manufacturer)

Located at 970 MAIN STREET, WEST WARWICK, RHODE ISLAND, 02893

(Plant Address)

401-822-8200

(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, ASME SECTION VIII-1

(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 ASME VIII-1 which has been verified by the following authority, ASME U

The items covered by this declaration, for which I seek registration, are category H - FITTING 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 970 main st, w. warwick in the state of RI
the 2nd day of October AD 2018

Commissioner for Oaths:

HAREN A THOMPSON

(Printed name)

Haren A Thompson

(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 H

CRN:

0H20845.5

Registered by:

Charley Dony

Dated:

Nov. 12, 2018

NOTE: SEE ATTACHED
"PART OF CRN"
FOR THE SCOPE.

CXD
TSSA

NOTE: This registration expires on NOV. 12, 2028 Nov. 12, 2018

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety Program

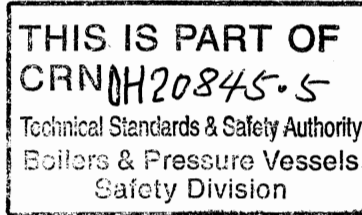
REGISTERED

C.R.N.: 0H20845.5

Signed: Charley Dony

Date: NOV. 12, 2018

WEST WARWICK WELDING
 970 MAIN STREET
 WEST WARWICK, RHODE ISLAND
 02893



11-Oct-18

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SCOPE OF CRN REGISTRATION

Product Description	Celeros Separations LLC Main Dwg. No	Design Code	Connections	Materials	MAWP at MAWT (Note 1,2,3)	MDMT (Note 3)	Report
Centrifuge	APD 5.0-4000	ASME B31.3, ASME Section VIII-1	1/2", 1", 1-1/2", 6" ASME BPE Ferrule (Note 4), 1/2" x 0.065" Wall Buttweld	Stainless Steel ASTM A240-316L, ASTM A479-316L, ASTM A213-316L, ASTM A312-316L	Shell: 45 psig / FV at 350°F Jacket: 90 psig at 350°F	-20°F	R-0922

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal Temperature.

Note 2: The pressure-temperature ratings shown are the maximum CRN pressure-temperature ratings. In all cases the MAWP may be limited by the seat or seal material or other considerations.

Note 3: Products that are to operate at low temperatures shall conform to the rules of the applicable codes under which they are used.

Note 4: The Clamp Ferrule connections shall be used with a clamp, however clamp ferrule 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.