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www.tssa.org

January 26, 2026

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 14896672
Your Reference No.: 0H25726.2 -ACME CRYOGENICS R-2181 - NATIONAL SERVICE
Registered to: ACME CRYOGENICS, 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 : 0H25726.25
Main Design No.: Dwg. No.: 001-413253 Rev E
Expiry Date: Nov 20, 2035

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

Code of Construction is ASME B31.3; Dwg. No.: 001-413253 Rev E

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. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Neil Crasta
Engineer, BPV
Tel. : +1 437-317-3817
Email : NCrasta@tssa.org



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

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 M. Rakos, Director of Quality and Engineering
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Acme Cryogenics, Inc.
(Name of Manufacturer)

Located at 2801 Mitchell Ave., Allentown, PA 18103, USA (610) 791-7909 (610) 791-2837
(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

(Title of recognized North American Standard)
 which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

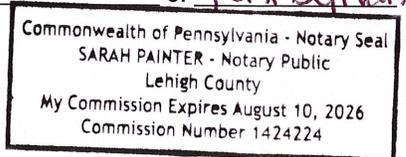
or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME B31.3, ASME B31.12 as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, 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 CSA B51 which has been verified by the following authority, TUV Rheinland

The items covered by this declaration, for which I seek registration, are category "H" type fittings. In support of this application, the following information and/or test data are attached as follows:
Drawing 001-413253, Rev. A, Scope of Registration, Reports

(drawings, calculations, test reports, etc.)

Declared before me at Allentown in the State of Pennsylvania
 the 9 day of October AD 20 25.



Commissioner for Oaths:
Sarah Painter
(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 H.

CRN: _____
 Registered by: _____
 Dated: _____

Note:
 1. Code of construction for Ontario registration - ASME B31.3.
 2. Scope of Registration document: 001-413253 Rev E

REGISTERED

C.R.N.: 0H25726.25

Signed: [Signature]

Date: January 26, 2026

Expiry Date: 20 Nov, 2035

NOTE: This registration expires on: _____

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

THIS DRAWING AND THE INFORMATION OR DATA CONTAINED HEREIN ARE CONSIDERED PROPRIETARY TO ACME CRYOGENICS, INC. AND IS NOT TO BE COPIED, REPRODUCED, DUPLICATED, OR DISCLOSED TO OTHERS IN WHOLE OR PART WITHOUT THE PRIOR WRITTEN CONSENT OF ACME CRYOGENICS, INC. THE DRAWING SHOULD BE RETURNED AS SOON AS IT HAS SERVED THE PURPOSES FOR WHICH IT IS FURNISHED AND WHILE IN THE POSSESSION OF THE RECIPIENT, SHOULD BE PROPERLY SAFEGUARDED AGAINST DISCLOSURE TO ANYONE EXCEPT EMPLOYEES WHO REQUIRE IT FOR WORK OR A JOB. THIS RESTRICTION SHALL NOT APPLY TO INFORMATION OR DATA CONTAINED HEREIN WHICH AS AVAILABLE TO THE PUBLIC GENERALLY.

DWG. NO. 001-413253

PRODUCT DESCRIPTION	PART NO.	PRIMARY PRESSURE RETAINING COMPONENTS	ASME / ANSI DESIGN STANDARD	SIZE OR SIZE RANGE	DESIGN PRESSURE @ MAX TEMPERATURE	MDMT	ACTUAL WALL THICKNESS VS MIN REQUIRED	END CONNECTION & SIZE RANGE	ASME / ASTM MATERIAL SPECIFICATION	REF CALCULATION	DRAWING NO.
TRYCOCK MONITOR	277-413253-C	TUBE; FITTINGS	ASME B31.3	½" OD TUBE NPS ¼	300 PSIG @150 °F	-20 °F	Tube: 0.049 / 0.010 Fitting wall: .118 / .011 Fitting wall: .091 / .010 Fitting wall: .091 / .051 Fitting wall: .080 / .013	¼" FNPT	A269 TP 316/316L SA-182 F 316/316L SA-479 316/316L	E240027-5	000-413253

THIS IS PART OF CRN
0H25726.25

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

NOTES: (UNLESS OTHERWISE SPECIFIED)

- BASE METAL AND WELD METAL DEPOSITS SHALL BE IMPACT TESTED IN ACCORDANCE WITH ASME B31.3, PARA. 323.2.2

REV.	DESCRIPTION	DATE	BY	APP'D.
E	SEE ECN 10772	11/19/25	DMR	TJS
D	SEE ECN 10766	11/12/25	DMR	TJS
C	SEE ECN 10762	10/30/25	DMR	SG

UNLESS OTHERWISE SPECIFIED		
1. THE FOLLOWING TOLERANCES APPLY: .XX: ± .01" .XXX: ± .005" FRACTIONS: ± 1/32" ANGLES: ± 0.5°		
2. ALL DIMENSIONS ARE IN INCHES.		
3. REMOVE ALL BURRS AND SHARP EDGES TO .015 MAX.		
4. MACHINED SURFACES TO BE 125 MICRO-INCHES OR BETTER.		
5. DO NOT SCALE DRAWING.		
PRODUCT	NEXT ASS'Y	NO. REQ'D

ORIGINAL

DESIGN BY BL	DATE 07/02/2024
DRWN BY DMR	DATE 08/27/2024
CHECKED BY BL	DATE 09/09/2024
APPROVED BY DMR	DATE 09/09/2024

TITLE	
SCOPE OF REGISTRATION CRN TRYCOCK MONITOR REF: E240027-5	
SCALE N/A	WEIGHT N/A



ACME
CRYOGENICS

PART OF OPW | a  company

DWG. NO. 001-413253

SHEET 1 OF 1 REV. E