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January 14, 2026

ROUND ENGINEERING INC  
10 SEGWUN RD  
WATERDOWN ON L8B 0K6

**Workorder Type:** Registration - Fitting(Conventional)

**Workorder No:** 14897294

**Your Reference No.:** 0H25747.2 -ACME CRYOGENICS R-2179 - 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 : 0H25747.25

Main Design No.: 000-A-09293-C Rev B

Expiry Date: Nov 26, 2035

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 (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,

Zivko Gacevic , P. Eng.  
Engineer, BPV  
Tel. : +1 416-734-3429  
Email : [zgacevic@tssa.org](mailto:zgacevic@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, Chief Engineer

(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

(Plant Address)

(610) 791-7909

(Telephone No.)

(610) 791-2837

(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 "D" type fittings. In support of this application, the following information and/or test data are attached as follows:  
Drawing 001-A-09293 Rev. A, Scope of Registration, Reports

(drawings, calculations, test reports, etc.)

Declared before me at Allentown in the State of Pennsylvania

the 26 day of July AD 20 24.

Commissioner for Oaths:

Sarah Painter

(Printed name)

[Signature]

(Signature)

Commonwealth of Pennsylvania - Notary Seal  
SARAH PAINTER - Notary Public  
Lehigh County  
My Commission Expires August 10, 2026  
Commission Number 1424224

[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: \_\_\_\_\_



This Document has been digitally signed and approved.  
The stamp size has been optimized for 11 x 17 documents.

NOTE: This registration expires on: Nov. 26, 2035

Technical  
Standards  
and Safety  
Authority

Boilers and  
Pressure Vessels  
Safety Program

**REGISTERED**

C.R.N.: 0H25747.25

Signed: [Signature]

Date: January 14, 2026.

\*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-A-09293-C
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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.
VJP HOSE ASSEMBLY 1" X 2½" X 16' OAL A/F MXM BAYONET	150-A-09293-C	CGA FLANGE; PIPE	ASME B31.3	NPS 1 X 2½	190 PSI (175 PSIG+FV) @150 °F	-425 °F	Pipe: 0.109 / 0.011	A/F BAYONET (MALE)	SA-312 TP 316/316L SA-403 WP 316/316L	E240027-3	001-A-09293-C

THIS IS PART OF CRN  
0H25747.25  
Technical Standards and Safety Authority  
Boilers and Pressure Vessels Safety  
Program

**NOTES: (UNLESS OTHERWISE SPECIFIED)**

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

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.				ORIGINAL	B	SEE ECN 10769	11/10/25	DMR	TJS
					A	INITIAL RELEASE - NPI0205	07/26/24	DMR	DMR
					REV.	DESCRIPTION	DATE	BY	APP'D.
					TITLE				
					SCOPE OF REGISTRATION CRN LH2 VJ HOSE ASSEMBLY 1" X 2.5" X 16'L REF: E240027-3				
				DESIGN BY TJS	DATE 06/28/2024	 PART OF OPW   a DOVER company			
				DRWN BY DMR	DATE 07/12/2024				
				CHECKED BY BL	DATE 07/19/2024				
				APPROVED BY DMR	DATE 07/26/2024	DWG. NO. 001-A-09293-C			
PRODUCT	NEXT ASS'Y	NO. REQ'D		SCALE	N/A	WEIGHT	N/A	SHEET 1 OF 1	REV. B