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www.tssa.org

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. 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



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., Allentonwn, 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, UV 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 24 day of July AD 20 24.

Commissioner for Oaths:

Sarah Painter

(Printed name)

S. Painter

(Signature)

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

S. Painter

(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: _____



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

Registered by: _____

Dated: _____

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

REGISTERED

C.R.N.: 0H25747.25

Signed: Sarah Painter

Date: January 14, 2026.

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

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

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DWG. NO. 001-A-09293-C

| 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 2 1/2" X 16' OAL A/F MXM BAYONET | 150-A-09293-C | CGA FLANGE; PIPE | ASME B31.3 | NPS 1 X 2 1/2 | 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 |
| TITLE | | ACME | | |
| SCOPE OF REGISTRATION | | CRYOGENICS | | |
| CRN | | PART OF OPW a DOVER company | | |
| LH2 VJ HOSE ASSEMBLY | | 001-A-09293-C | | |
| 1" X 2.5" X 16'L | | DWG. NO. | | |
| REF: E240027-3 | | SHEET 1 OF 1 | | |
| PRODUCT | NEXT ASS'Y | NO. REQ'D | SCALE N/A | WEIGHT N/A |
| | | | | REV. B |
| | | | | |