

## REGISTRATION OF A PRESSURE FITTING DESIGN

February 17, 2026

TSSA  
345 Carlingview Dr.  
Toronto, ON  
Canada  
M9W 6N9

**Attention: Cecylia Garbacz**

**File Number: 104388**

**Re: Manufacturer: ACME Cryogenics, Inc**  
**Item: Cryogenic Hose Assembly**  
**Catalog or Drawing: Per Scope of Registration 001-A-09293-C Rev. B & Drawing  
000-A-09293-C Rev. B**

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

**OH25747.23**

**Expiry Date: 2035-11-26**

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,



Athan Syrgiannis, P.Eng.

Codes and Standards Compliance

**Remarks:**

A valid quality control program must be maintained at the production facility for the fitting registration to remain valid until the expiry date.

Conditional upon compliance with the notes on the original ABSA registration.

**Statutory Declaration (Registration of Fittings)**

**TSK-1008**


**I. Declaration Information**

I, David M. Rakos  
Chief Engineer

(company title, e.g. vice president, plant manager, chief engineer)  
 (must be in a position of authority in the manufacturing plant where the fitting is produced)

of: Acme Cryogenics, Inc.  
 (name of manufacturer)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



**ACME**  
CRYOGENICS  
PART OF OPW | a **DOVER** company

located at: 2801 Mitchell Avenue Allentown, PA (USA) 18103  
 (Plant Address - Apt/Street) (City,Prov) (Postal Code)

do solemnly declare that the fittings listed hereinunder, which are subject to the **Saskatchewan Boiler and Pressure Vessel Act** (check one)

- Comply with the requirements of \_\_\_\_\_ which specifies the dimensions, Materials of construction, pressure / temperature ratings and identification marking of the fittings, or  
 (title of recognized North American Standard)
- 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, materials of construction, pressure / temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, TUV Rheinland as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are Cryogenic Hose Assembly


In support of this application, the following information, calculations and / or test data are attached:  
Drawing 001-A-09293, Rev. ~~A~~, Scope of Registration, Reports  
B

**II. Declaration**

DECLARED before me at Allentown In the State of Pennsylvania  
 this 26 day of July, 2024  
Sarah Painter (print name) [Signature] (Signature)  
[Signature] (Signature of Commissioner of Oaths)

**III. Office Use Only**

To the best of my knowledge and belief, the application meets the requirements of the **Boiler and Pressure Vessel Act** and CSA B51, Clause 4.2, and is accepted for registration in Category \_\_\_\_\_



**Technical  
Safety Authority  
of Saskatchewan**

Registration No. 0H25747.23  
 File No. 104388  
 Registered  
 Date: February 17, 2026  
 Expiry Date: November 26, 2035  
 Codes & Standards Compliance Office

(Date Registered - MM DD YYYY) (Expiry Date - MM DD YYYY)  
 (For the Chief Inspector)

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

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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 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



**NOTES: (UNLESS OTHERWISE SPECIFIED)**



- 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.

PRODUCT	NEXT ASS'Y	NO. REQ'D

ORIGINAL	
DESIGN BY TJS	DATE 06/28/2024
DRWN BY DMR	DATE 07/12/2024
CHECKED BY BL	DATE 07/19/2024
APPROVED BY DMR	DATE 07/26/2024

REV.	DESCRIPTION	DATE	BY	APP'D.
B	SEE ECN 10769	11/10/25	DMR	TJS
A	INITIAL RELEASE - NPIO205	07/26/24	DMR	DMR

<p>TITLE</p> <p><b>SCOPE OF REGISTRATION</b></p> <p>CRN LH2 VJ HOSE ASSEMBLY 1" X 2.5" X 16'L REF: E240027-3</p>	 <p><b>ACME</b> CRYOGENICS</p> <p>PART OF OPW   a  company</p>			
SCALE N/A	WEIGHT N/A	DWG. NO. <b>001-A-09293-C</b>		SHEET 1 OF 1
REV. B			APP'D.	