

9410 - 20 Ave N.W. Edmonton, Alberta, Canada T6N 0A4 Tel: (780) 437-9100 / Fax: (780) 437-7787

November 26, 2025

Attention: Scott Islip

ROUND ENGINEERING INC

10 SEGWUN ROAD

WATERDOWN, ON L8B 0K6

The design submission, Tracking Number 2025-06798, Web Portal Number 2025-S5505, originally received on October 21, 2025 was surveyed and accepted for registration as follows:

CRN: 0H25747.2 **Accepted on:** November 26, 2025

Reg Type: NEW DESIGN Expiry Date: November 26, 2035

Document No. Drawing 000-A-09293-C Rev B As Noted

Fitting type: 1"x2.5" VJP HOSE ASSEMBLY

Design registered in the name of : ACME CRYOGENICS INC

DescriptionMAWPDesign TemperatureMDMTInternal Pressure1310kPa66 °C-254 °C

The registration is conditional on your compliance with the following notes:

- Registration is given based on the understanding that the pressure-temperature rating of all fittings used in this assembly must satisfy the assembly's design condition and have a valid Alberta CRN.

 As indicated on the AB-41 Statutory Declaration form and submitted documentation, the code of construction is ASME B31.3.
- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.
- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.
- This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, until that date.
- Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any questions don't hesitate to contact me by phone at (587) 943-8741 or fax (403) 291-4545 or e-mail Zhangl@absa.ca.

Sincerely,

ZHANG, LILI, P. Eng. DOP Cert. No. D00010626

Litedary

2025-06798 Page 1 of 1





STATUTORY DECLARATION Registration of Fittings Single or Multiple Fitting Designs within one Fitting Category

ı, Davi	d M. Rakos	,	Chief Engineer	man	In this space, show facsimile of manufacturer's logo or tradema as it will appear on the fitting.							
of Acm	(name of applicant) e Cryogenics, Inc.	authority)	ACME									
			of manufacturer)			RYOGENICS						
located	at 2801 Mitchell Av			Ą		ART OF OPW a DOVER COMPAN						
	mnly declare that the only one)	0 1 0 0 0 0 000	int address) hereunder, which a	are subject to t	he Safety Codes	Act						
	comply with the requi	rements of			which specifie	es the dimensions,						
	(title of recognized North American Standard)											
r	materials of construction, pressure/temperature ratings and identification marking of the fittings, or											
✓ a	are not covered by the provisions of a recognized North American standard and are therefore											
	doloted 17											
r	manufactured to comply with ASME B31.3, ASME B31.12 as supported by the											
	(title of code of construction or other applicable document)											
	attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the identification marking of the fittings.											
č	and the basis for such	n ratings, and	the identification m	arking of the f	ittings.							
I further	declare that the mar	nufacture of th	nese fittings is contr	olled by a qua	lity control progra	m which has						
been ve	rified as described in	the below Ta	able as being suitab	le for the man	ufacturing of the	se fittings to the						
stated s	tandard, regulation, o	code, guidelir	ne or other applicab	le document.	The fittings cover	ed by the						
declarat	ion for which I seek i	registration ar	e as provided in the	e Supplementa	ary Sheet(s) attac	hed.						
					,							
Quality	Drogram Varification	on and Manua	faatuuinu Citaa									
	Program Verification											
A copy	of the Quality Certific	ate from eacl	n manufacturing site	e must be inclu	ıded							
Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address						
1.	Cryogenic Hose Assembly	CSA B51	Category C,D, E,H	2030-05-01	TUV Rheinland	Allentown, PA						
2.												



For ABSA Office Use Only:

NOTES:



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

(Signature of the Declarer)

DECLARED before me at Allertown in the State of Permitty or state (province, territory) or state (province, territory) or state (province, territory) or state (sign)

(print) Savah Panter Notary Public)

(a Commissioner of Oaths or Notary Public)

(a Commissioner of Oaths or Notary Public)

(expiry date (ntm/dd/yy))

Commissioner of Oaths / Notary Public in and for: (province, territory, or state)

The design is reviewed per B31.3 ed 2024.

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category H							
CRN:							
Registered Date:							
2035-11-26 Expiry Date:							
Signature:							
(Signature of the Administrator/SCO)							
The information you provide is necessary only for the administration of the							

programs as required by the Alberta Safety Codes Act and Regulations in the

2025-06798

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: 0H25747.2

See acceptance letter for

conditions of registration.

Date: 2025-11-26

y: ~

ILI ZHANG, P. Eng.

This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

Pressure Equipment Discipline

DWG. NO. 001-A-09293-C

11/10/25 DMR TJS

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.

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 21/2	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

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

				_		Α	INITIAL RELEA	SE - NPI0205		07/26/24	DMR	DMR
UNLESS OTHERWISE SPECIFIED						REV.		DESC RIPTION		DATE	BY	APP'D.
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.				ORIG	INAL	SCOPE OF REGISTRATION CRN LH2 VJ HOSE ASSEMBLY		ACME				
				DESIGN BY TJS	DATE 06/28/2024			Υ	CRYO	CRYOGENICS		
				DRWN BY DMR	DATE 07/12/2024	1" X 2.5" X 16'L REF: E240027-3			PART OF OPW a DOVER CO		ver) company	mpany
5. DO NOT SCALE DRAWING.			CHECKED BY DATE 07/19/						001-A-09293-C			
	PRODUCT	NEXT ASS'Y	NO. REQ'D	APPROVED BY DMR	07/26/2024	SCALE N/A	WE	IGHT N/A	SHEET 1 OF 1		rev. B	

SEE ECN 10769