

November 25, 2025

Attention: Scott Islip
ROUND ENGINEERING INC
10 SEGWUN ROAD
WATERDOWN, ON L8B 0K6

The design submission, Tracking Number 2025-06797, Web Portal Number 2025-S5502, originally received on October 21, 2025 was surveyed and accepted for registration as follows:

CRN : 0H25743.2 **Accepted on:** November 25, 2025

Reg Type: NEW DESIGN **Expiry Date:** November 25, 2035

Document No. 001-A08740 Rev C As Noted

Fitting type: BAYONET

Design registered in the name of : ACME CRYOGENICS INC

Description	MAWP	Design Temperature	MDMT
Internal Pressure	1551 kPa	66 °C	-269 °C
External Pressure	103 kPa	66 °C	-269 °C

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

- This design is registered based on the understanding that the weld procedure has been impact test qualified to -452 F.
- 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) 686-9381 or fax (780) 437-7787 or e-mail Newton@absa.ca.

Sincerely,

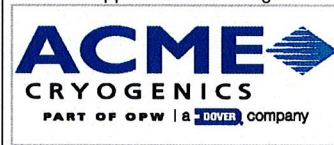


NEWTON, STEPHAN, E.I.T.
DOP Cert. No. D00011044

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

I, David M. Rakos, Chief Engineer
(name of applicant) (position title) (must be in a position of authority)
of Acme Cryogenics, Inc.
(name of manufacturer)
located at 2801 Mitchell Avenue, Allentown, PA, 18103, USA
(plant address)

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



do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act
(select only one)

- ☐ comply with the requirements of _____ which specifies the dimensions,
(title of recognized North American Standard)
materials of construction, pressure/temperature ratings and identification marking of the fittings, 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
(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.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

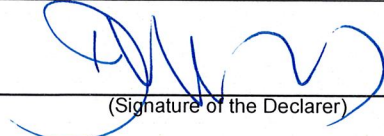
Quality Program Verification and Manufacturing Sites

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	Cryogenic Bayonet Fittings	CSA B51	Category C,D, E,H	2030-05-01	TUV Rheinland	Allentown, PA
2.						

In support of this application, the following information, calculations and/or test data are attached:

Drawing 001-A-08740, Rev. B, Scope of Registration, Reports


(Signature of the Declarer) _____ (Date) _____

DECLARED before me at Allentown in the State of Pennsylvania
(city) (province, territory, or state)
this 28 day of July, 2024
(Month) (Year)

(print) Sarah Painter
(a Commissioner of Oaths or Notary Public)

(sign) 
(a Commissioner of Oaths or Notary Public)

08/10/26
(expiry date (mm/dd/yy))

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

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

For ABSA Office Use Only:

NOTES: _____

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: 0H25743.2

Registered Date: November 25, 2025

Expiry Date: November 25, 2035

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 Pressure Equipment Discipline

2025-06797

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: 0H25743.2

**See acceptance letter for
conditions of registration.**

Date: 2025-11-25 By: 

STEPHAN NEWTON, E.I.T.
DOP: D00011044

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.

4

3

2

1

2025-06797

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: 0H25743.2

See acceptance letter for conditions of registration.

Date: 2025-11-25 By: 


STEPHAN NEWTON, E.I.T.
DOP: D00011044

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.

PRODUCT DESCRIPTION	PART NO. (MALE ASSY)	PART NO. (FEMALE ASSY)	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.
MODEL A/F (Acme) BAYONET	C-02258 C-02258-316	C-02277 C-02277-316	FLANGE; TUBE; PIPE; NOSE PIECE; GASKET; NUT	ASME B31.3	NPS 2 X 3	240 PSI (225 PSIG+FV) @ 150°F	-425°F	Tube: 0.065 / 0.016 Pipe: 0.109 / 0.013	NPS 2 BWE	SA-182 F 304/304L (316/316L); A269 TP 304/304L (316/316L); SA-312 TP 304/304L (316/316L); SA-479 304/304L (316/316L); VITON (FKM); SB-505 C93200	E170096-3.02	000-A08740

NOTES: (UNLESS OTHERWISE SPECIFIED)
1. BASE METAL AND WELD METAL DEPOSITS SHALL BE IMPACT TESTED IN ACCORDANCE WITH ASME B31.3, PARA. 323.3

ORIGINAL

						UNLESS OTHERWISE SPECIFIED INTERPRET PER ASME Y14.5-2009 1. THE FOLLOWING TOLERANCES APPLY: XX: ± 0.1" XXX: ± 0.05" FRACTIONS: ± 1/32" ANGLES° ±0.5° 2. ALL DIMENSIONS ARE INCHES. 3. REMOVE ALL BURRS AND SHARP EDGES .015 MAX 4. MACHINED SURFACE TO BE 125 MICR-INCHES OR BETTER. 5. DO NOT SCALE DRAWING.	DESIGN BY DMR	DATE 10/01/2019	Title: SCOPE OF REGISTRATION CRN BAYONET ASSEMBLIES ACME A/F			<div>ACME</div> <div>CRYOGENICS</div> <div>PART OF OPW a DOVER company</div>			
						DRAWN BY KPS	DATE 03/11/2022								
						CHECKED BY BL	DATE 5/18/2022								
						APPROVED BY JDE	DATE 05/19/2022								
						THIRD ANGLE PROJECTION 	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 OTHER IN WHOLE OR IN 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 IS AVAILABLE TO THE PUBLIC GENERALLY.			P/N: 001-A-08740			DWG NO. 001-A-08740		
									SCALE: 1:1	Project No.:E210058	B	SHEET: SHEET 1 OF 1			REV. C
B	REDRAWN IN SOLIDWORKS; ASTM A479 304/304L WAS ASTM A479 TP304/304L; ADD ROW 2; ADD NOTE 1		5/18/2022	KPS	JDE	10382									
C	MULTIPLE CHANGES; SEE ECN FOR DETAILS		11/7/2025	KPS	TJS	10765									
REV	DESCRIPTION		DATE	REV BY	APPD BY	ECN NO.									

4

3

2

1