

REGISTRATION OF A PRESSURE FITTING DESIGN

February 17, 2026

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

Attention: Cecylia Garbacz

File Number: 104387

Re: Manufacturer: ACME Cryogenics, Inc
Item: Cryogenic Bayonet
Catalog or Drawing: Per Scope of Registration 001-A-08740 Rev. C & Drawing 000-A08740 Rev. D

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:

OH25743.23

Expiry Date: 2035-11-25

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.



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

do solemnly declare that the fittings listed hereunder, which are subject to the **Saskatchewan Boiler and Pressure Vessel Act** (check 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 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 Bayonet Fittings

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

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

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. 0H25743.23
 File No. 104387
 Registered Registered
 Date: February 17, 2026
 Expiry Date: November 25, 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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2025-06797

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: 0H25743.2

See acceptance letter for conditions of registration.

Date: 2025-11-25 By: *N. Stephan*

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

Technical Safety Authority
of Saskatchewan

Registration No. 0H25743.23

File No. 104387

Registered

Date: February 17, 2026

Expiry Date: November 25, 2035

Codes & Standards Compliance Office

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						DESIGN BY	DMR	DATE	10/01/2019	Title: SCOPE OF REGISTRATION CRN BAYONET ASSEMBLIES ACME A/F			
INTERPRET PER ASME Y14.5-2009						DRAWN BY	KPS	DATE	03/11/2022				
1. THE FOLLOWING TOLERANCES APPLY: XXX: ±0.1" XXX: ±.005" FRACTIONS: ± 1/32" ANGLES: ±0.5°						CHECKED BY	BL	DATE	5/18/2022				
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.						APPROVED BY	JDE	DATE	05/19/2022				
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	P/N: 001-A-08740	DWG NO. 001-A-08740		
C	MULTIPLE CHANGES; SEE ECN FOR DETAILS					11/7/2025	KPS	TJS	10765				
REV	DESCRIPTION					DATE	REV BY	APPD BY	ECN NO.	SCALE: 1:1	Project No.: E210058	B SHEET: SHEET 1 OF 1	REV. C

4

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