

REGISTRATION OF A PRESSURE FITTING DESIGN

March 9, 2026

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

Attention: Tanya Francis

File Number: 104498

Re: Manufacturer: ACME Cryogenics, Inc
Item: Fitting Assembly
Catalog or Drawing: Per Scope of Registration 001-40-0525 Rev. B & Drawing 000-40-0525 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:

OH25742.23

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 hereinunder, which are subject to the **Saskatchewan Boiler and Pressure Vessel Act** (check one)

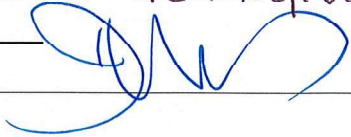
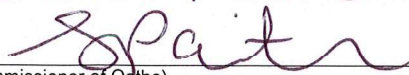
- Comply with the requirements of _____ which specifies the dimensions, _____
 (title of recognized North American Standard)
 Materials of construction, pressure / temperature ratings and identification marking of the fittings, or
- Are not covered by the provisions of a recognized North American standard 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 Fitting Assembly

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

Drawing 001-40-0525, Rev. ~~A~~, Scope of Registration, Reports
B

II. Declaration

DECLARED before me at Allentown in the State of Pennsylvania
 this 21st day of July, 2024
Sarah Painter (print name) _____ (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. OH25742.23
 File No. 104498
 Registered Registered
 Date: March 9, 2026
 Expiry Date: November 25, 2035
 Codes & Standards Compliance Office

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

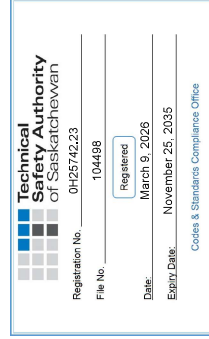
Commonwealth of Pennsylvania - Notary Seal
 SARAH PAINTER - Notary Public
 Lehigh County
 My Commission Expires August 10, 2026
 Commission Number 1424224

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 PURPOSE FOR WHICH IT WAS PREPARED. IT IS THE RESPONSIBILITY OF THE USER TO PROTECT THIS INFORMATION FROM UNAUTHORIZED DISCLOSURE. IT 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.

DWG. NO. 001-40-0525

**THIS IS PART OF CRN
0H25742.25**
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

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.
1/2" FITTING ASSEMBLY	ASK-40-0525	CGA FLANGE; PIPE	ASME B31.3	NPS 1/2	650 PSIG @150 °F	-425 °F	Pipe: 0.200 / 0.113	FLANGE X 1 1/2 MNPT	SA-312 TP 304/304L SA-479 304/304L	E240027-4	000-40-0525
1/2" SW FLANGE	ASK-40-01525 ASK-40-0152-316	N/A	ASME B31.3	NPS 1/2	650 PSIG @150 °F	-425 °F	Socket: 0.294 / 0.076	FLANGE X 1 1/2 SW	SA-479 304/304L SA-479 316/316L	E240027-4	000-40-0525



NOTES: (UNLESS OTHERWISE SPECIFIED)

1. BASE METAL AND WELD METAL DEPOSITS SHALL BE IMPACT TESTED IN ACCORDANCE WITH ASME B31.3, PARA. 323.3

- UNLESS OTHERWISE SPECIFIED
- THE FOLLOWING TOLERANCES APPLY:
FRACTIONS: ±.01", .XXX; ±.005"
DECIMALS: ±.005"
ANGLES: ±0.5°
 - ALL DIMENSIONS ARE IN INCHES.
 - REMOVE ALL BURRS AND SHARP EDGES TO .015 MAX.
 - MACHINED SURFACES TO BE 125 MICRO-INCHES OR BETTER.
 - DO NOT SCALE DRAWING.

B	SEE ECN 10767	11/07/25	TJS										
A	INITIAL RELEASE - NP70241	07/26/24	DMR										
REV.	DESCRIPTION	DATE	BY										
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