

REGISTRATION OF A PRESSURE FITTING DESIGN

March 4, 2026

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

Attention: Tanya Francis

File Number: 104458

Re: Manufacturer: ACME Cryogenics, Inc
Item: Trycock Monitor
Catalog or Drawing: Per Scope of Registration 001-413253 Rev. E & Drawing 000-413253 Rev. E

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:

OH25726.23

Expiry Date: 2035-11-20

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.

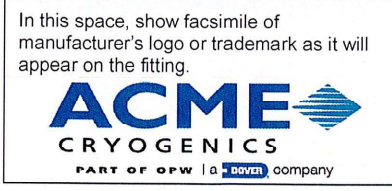
Conditional upon compliance with the notes on the original ABSA registration.

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)
 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, ~~ACME 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 Trycock Monitor

In support of this application, the following information, calculations and / or test data are attached:
Drawing 001-413253, Rev. ~~A~~, Scope of Registration, Reports
E

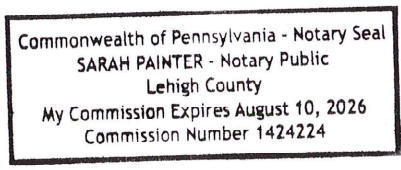
II. Declaration

DECLARED before me at Allentown In the State of Pennsylvania
 this 9 day of October, 2025
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 _____

(Registration Number) _____ (Date) _____ (For t) _____
(MM DD YYYY)




Registration No. 0H25726.23
 File No. 104458
 Registered
 Date: March 4, 2026
 Expiry Date: November 20, 2035
Codes & Standards Compliance Office

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. NO LIABILITY SHALL BE ASSUMED FOR INFORMATION OR DATA CONTAINED HEREIN WHICH AS AVAILABLE TO THE PUBLIC GENERALLY.

DWG. NO. 001-413253

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.
TRYCOCK MONITOR	277-413253-C	TUBE; FITTINGS	ASME B31.3	1/2" OD TUBE NPS 1/4	300 PSIG @150 °F	-20 °F	Tube: 0.049 / 0.010 Fitting wall: .118 / .011 Fitting wall: .091 / .010 Fitting wall: .091 / .051 Fitting wall: .080 / .013	1/4" FNPT	A269 TP 316/316L SA-182 F 316/316L SA-479 316/316L	E240027-5	000-413253

Technical Safety Authority
of Saskatchewan

Registration No. 0H25726.23
File No. 104458

Registered:
Date: March 4, 2026

Expiry Date: November 20, 2035

Codes & Standards Compliance Office

ABSA
2025-06804

SAFETY CODES ACT - PROVINCE OF ALBERTA
ACCEPTED: 0H25726.2
See acceptance letter for conditions of registration.
Date: 2025-11-20 By: *[Signature]*

BENJAMIN ROBB
DOP: D00011535

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.

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

REV.	DESCRIPTION	DATE	BY	APP'D.
E	SEE ECN 10772	11/19/25	DMR	TJS
D	SEE ECN 10766	11/12/25	DMR	TJS
C	SEE ECN 10762	10/30/25	DMR	SG

TITLE	SCALE	N/A	WEIGHT	N/A	REV.	E
SCOPE OF REGISTRATION CRN TRYCOCK MONITOR REF: E240027-5	N/A	N/A	N/A	N/A	001-413253	E

DESIGN BY	DATE	DRWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE
BL	07/02/2024	DMR	08/27/2024	BL	09/09/2024	DMR	

PRODUCT	NEXT ASSY	NO. REQ'D

UNLESS OTHERWISE SPECIFIED
1. THE FOLLOWING TOLERANCES APPLY: FRACTIONS: ± .01", .XXX, ± .005" 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.

ORIGINAL

ACME CRYOGENICS	PART OF OPW a DUNER company
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