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www.tssa.org

January 14, 2026

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 14897321
Your Reference No.: 0H25743.2 -ACME CRYOGENICS R-2178 - NATIONAL SERVICE
Registered to: ACME CRYOGENICS, INC.

Dear SCOTT ISLIP,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN : 0H25743.25
Main Design No.: 001-A08740 Rev C
Expiry Date: Nov 25, 2035

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Zivko Gacevic , P. Eng.
Engineer, BPV
Tel. : +1 416-734-3429
Email : zgacevic@tssa.org



Technical Standards and Safety Authority
345 Carlingview Drive
Toronto, Ontario M9W 6N9
www.tssa.org

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



STATUTORY DECLARATION Registration of Fittings

I, David M. Rakos, Chief Engineer

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Acme Cryogenics, Inc.

(Name of Manufacturer)

Located at 2801 Mitchell Ave., Allentown, PA 18103, USA

(Plant Address)

(610) 791-7909

(Telephone No.)

(610) 791-2837

(Fax No.)

☐ do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

☒ 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, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of CSA B51

which has been verified by the following authority, TUV Rheinland

The items covered by this declaration, for which I seek registration, are category "H" type fittings. In support of this application, the following information and/or test data are attached as follows:

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

(drawings, calculations, test reports, etc.)

Declared before me at Allentown in the State of Pennsylvania

the 26 day of July AD 20 24.

Commissioner for Oaths:

Sarah Painter

(Printed name)

Spait

(Signature)

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

[Signature]

(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category "H".

CRN: _____

Registered by: _____

Dated: _____



This Document has been digitally signed and approved.
The stamp size has been optimized for 11 x 17 documents.

NOTE: This registration expires on: **Nov. 25, 2035**

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

REGISTERED

C.R.N.: **0H25743.25**

Signed: Jacobs Zirk

Date: **January 14, 2026.**

*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.

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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

THIS IS PART OF CRN
0H25743.25
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program


NOTES: (UNLESS OTHERWISE SPECIFIED)

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

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ORIGINAL

					<div>UNLESS OTHERWISE SPECIFIED</div> <div>INTERPRET PER ASME Y14.5-2009</div> <div>1. THE FOLLOWING TOLERANCES APPLY: X.XX .XX FRACTIONS: 1/32" ANGLES: ±0.2°</div> <div>2. ALL DIMENSIONS ARE INCHES.</div> <div>3. REMOVE ALL BLURS AND SHARP EDGES JIGS MAX</div> <div>4. MACHINED SURFACE TO BE 125 FINISHES OR BETTER</div> <div>5. DO NOT SCALE DRAWING.</div>		<div>DESIGN BY DMR</div> <div>DATE 10/01/2019</div> <div>DRAWN BY KPS</div> <div>DATE 03/11/2022</div> <div>CHECKED BY BL</div> <div>DATE 5/18/2022</div> <div>APPROVED BY JDE</div> <div>DATE 05/19/2022</div>		<div>Title:</div> <div>SCOPE OF REGISTRATION CRN BAYONET ASSEMBLIES ACME A/F</div>		<div><div>ACME</div><div>CRYOGENICS</div><div>PART OF OPW a LINCOLN company</div></div>	
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.							
					<div>THIRD ANGLE PROJECTION</div> <div></div>			P/N: 001-A-08740		DWG NO. 001-A-08740		
							SCALE: 1:1		Project No.: E210058	B	SHEET: SHEET 1 OF 1	REV. C

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