

July 02, 2026

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

The design submission, Tracking Number 2026-03514, Web Portal Number 2026-S2949, originally received on June 11, 2026 was surveyed and accepted for registration as follows:

CRN : 0A26576.52 **Accepted on:** July 02, 2026
Reg Type: NEW DESIGN **Expiry Date:** April 12, 2036
Document No. Scope of CRN Registration (Feb 5, 2026), Report R-2282 Rev 0
Fitting type: Refrigerant Fittings

Design registered in the name of : TAIZHOU AILUN VALVE CO LTD

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

The copper tubes (ASTM B280) are not included in the registration per client's confirmation.

As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction is ASME B31.5.

- 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 or AB-351 Declaration of Conformity 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 or AB-351 Declaration of Conformity 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) 686-9349 or fax (780) 437-7787 or e-mail Wangi@absa.ca.

Sincerely,



WANG, IAN, P. Eng.
DOP Cert. No. D00009643



Technical Standards & Safety Authority
345 Carlingview Drive
Toronto, Ontario
M9W6N9
www.tssa.org

(Show facsimile of logo or trademark, as it will appear on the fitting as evidence of certification)



DECLARATION OF CONFORMITY REGISTRATION OF FITTINGS

FOR TSSA OFFICE USE ONLY

2026-03514

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: 0A26576.52

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

Date: 2026-07-02 By:

IAN WANG, P. Eng.
DOP: D00009643

Declaration No.: (document nr. as issued by the manufacturer)

R-2282

Revision:

0

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.

Manufacturer (Name and Address)

Taizhou Ailun Valve Co., Ltd., Xiaqiu Village, Qinggang Town, Yuhuan City, Zhejiang Province, 317606, China

***Table 1 Scope of Fitting Designs** See attached Scope of CRN Registration Document.

Item No.	Type / Model	Product Description	Material of Construction	MDMT	Rated Pressure		References: Catalog (pages) or Drawing(s)
					At Ambient Temperature	At Maximum Temperature	
						at	
						at	
						at	
						at	
						at	

****Table 2 Codes, Standards, Guidelines, and Other Applicable Documents**

Item No.	Title of Code(s), Standard(s), Guideline(s), or Other Applicable Document(s)	Edition / Revision	Item No.	Title of Code(s), Standard(s), Guideline(s), or Other Applicable Document(s)	Edition / Revision
1	ASME B31.5	2022	4		
2			5		
3			6		

*****Table 3 Quality Program Verification and Manufacturing Sites**

Item No.	Location(s) Plant Name and Address / Site(s)	Quality Program Certificate Number	Expiry Date	Verifying Organization
1	Zhejiang Province, 317606, China	BRC24Q1014BROS	April 2, 2027	Beijing ZHONGRUI Unite Certification Co., Ltd.
2				
3				

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

Remarks

(other relevant information)

As an official of the manufacturer with authority, and having responsibility for the conformity and regulatory compliance of the fittings, I hereby declare that the information and statements made in this declaration of conformity are true and accurate.

I declare, under our sole responsibility, that the design, construction, certification, and marking of the fitting(s) listed in Table 1*, are subject to a conformity assessment process and quality program that has been verified, as described in Table 3***.

I certify that the fitting(s) listed in Table 1* conform to: the provisions of the acts and regulations of the provinces and territories where the fitting(s) are registered, CSA B51, and the codes, standards, guidelines, or other applicable documents listed in Table 2**.

I further declare that there is a process in place for the retention of this declaration of conformity for not less than 10 years from the issuance of the Canadian Registration Number (CRN).

Signed for and on behalf of Taizhou Ailun Valve Co., Ltd. in the Yuhuan City of Zhejiang Province, China
(Manufacturer) (City) (State / Province, Country)

Heaven Liang, GM (General Manager) Feb. 10, 2026
(Name please print) (Function or Title) (Signature of Declarer) (Date)

TAIZHOU AILUN VALVE CO., LTD.

Xiaqiu Village, Qinggang Town,
Yuhuan City, Zhejiang Province,
317606, China



台州爱伦阀门有限公司
TAIZHOU AILUN VALVE CO., LTD

February 5, 2026

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SCOPE OF CRN REGISTRATION

Product Description	Design Code	Body Material Specification	MDMT (°F / °C)	Report Number
Push Fit Refrigerant Fittings	ASME B31.5 2022	Brass ASTM B263 UNS C37700	- 40°F / - 40°C	R-2282 Rev. 0
Drawing and Fitting Type	Part Number	MAWP at MAWT (psig at °F / barg at °C)		
Dwg. AL-101AC/R-CRN Rev. C Push Fit Coupling	1/4"	AL-41101AC/R	900 psig at 250°F / 62 barg at 121°C	
	3/8"	AL-83101AC/R	900 psig at 250°F / 62 barg at 121°C	
	1/2"	AL-87101AC/R	900 psig at 250°F / 62 barg at 121°C	
	5/8"	AL-85101AC/R	900 psig at 250°F / 62 barg at 121°C	
	3/4"	AL-83101AC/R	900 psig at 250°F / 62 barg at 121°C	
	7/8"	AL-87101AC/R	876 psig at 250°F / 60 barg at 121°C	
Dwg. AL-102AC/R-CRN Rev. C Push Fit Coupling	1/4" x 1/2"	AL-41102AC/R	729 psig at 250°F / 50 barg at 121°C	
	3/8" x 1/2"	AL-83102AC/R	900 psig at 250°F / 62 barg at 121°C	
	1/2" x 3/8"	AL-87102AC/R	900 psig at 250°F / 62 barg at 121°C	
Dwg. AL-103AC/R-CRN Rev. C Push Fit Adapter Coupling	5/8" x 1/2"	AL-85102AC/R	900 psig at 250°F / 62 barg at 121°C	
	1/4" x 7/16" UNF	AL-41103AC/R	900 psig at 250°F / 62 barg at 121°C	
	3/8" x 9/16" UNF	AL-83103AC/R	900 psig at 250°F / 62 barg at 121°C	
	1/2" x 3/4" UNF	AL-21103AC/R	900 psig at 250°F / 62 barg at 121°C	
Dwg. AL-201AC/R-CRN Rev. C Push Fit Elbow	5/8" x 7/8" UNF	AL-85103AC/R	900 psig at 250°F / 62 barg at 121°C	
	1/4"	AL-41201AC/R	900 psig at 250°F / 62 barg at 121°C	
	3/8"	AL-83201AC/R	900 psig at 250°F / 62 barg at 121°C	
	1/2"	AL-21201AC/R	900 psig at 250°F / 62 barg at 121°C	
	5/8"	AL-85201AC/R	900 psig at 250°F / 62 barg at 121°C	
	3/4"	AL-43201AC/R	900 psig at 250°F / 62 barg at 121°C	
	7/8"	AL-87201AC/R	876 psig at 250°F / 60 barg at 121°C	
	1-1/8"	AL-18201AC/R	729 psig at 250°F / 50 barg at 121°C	

2026-03514
ABSA
 SAFETY CODES ACT - PROVINCE OF ALBERTA
 ACCEPTED: 0A26576.52
 See acceptance letter for conditions of registration.
 Date: 2026-07-02 By:
 IAN WANG, P. Eng
 DOP: 81009648

This stamp and signature have been affixed electronically to this registered design as required by Section 20(9) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

TAIZHOU AILUN VALVE CO., LTD.

Xiaqiu Village, Qinggang Town,
Yuhuan City, Zhejiang Province,
317606, China



February 5, 2026

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SCOPE OF CRN REGISTRATION

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal Temperature.

Note 2: The pressure-temperature ratings shown are the maximum CRN pressure-temperature ratings. In all cases the MAWP may be limited by seal materials or other considerations.

Note 3: The pressure-temperature ratings shown are acceptable when the Refrigerant Fittings are installed on ASTM B280 UNS C12200 H58 copper tubing that has a ASME B31.5 Table 502.3.1-1 minimum allowable stress value that is equal to 9000 psi at 250°F. When the fittings are installed on different grades of copper tube with different thicknesses the pressure-temperature ratings of the joint may be limited to the tube pressure-temperature rating that the fittings are installed on.

Note 4: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

Note 5: The fittings are not suitable for use with ammonia (R717).