

Montréal, 15 juin 2026.

CECYLIA GARBACZ
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ONTARIO
CANADA M9W 6N9

Fabricant : TAIZHOU AILUN VALVE CO., LTD.
XIAQIU VILLAGE
QINGGANG ,YUHUAN ZHEJIANG
CHINA 317606

Numéro de dossier : 940332

Numéro(s) de dessin(s) : Scope of CRN Registration Dated February 5, 2026

Objet : Enregistrement des plans et devis – Confirmation de l'enregistrement

Bonjour,

Nous vous informons que votre demande d'enregistrement de plans et devis a été traitée et que cette conception a été enregistrée sous le numéro d'enregistrement canadien (NEC\CRN) suivant : **0A26576.56**.

Nous portons votre attention sur certaines exigences réglementaires concernant les installations sous pression, ainsi que des codes et normes qui y sont associés :

- Le fabricant doit maintenir un programme de contrôle de la qualité valide pour fabriquer un équipement selon ce NEC;
- Ce numéro d'enregistrement demeure valide tant et aussi longtemps que les paramètres de conception demeurent inchangés. Dans le cas d'accessoires, l'enregistrement est valide pour une durée de 10 ans à partir de la date d'enregistrement. Les documents de conception doivent alors être resoumis pour validation;
- Le fabricant doit nous transmettre une copie de la *Déclaration de conformité du constructeur (Manufacturer's Data Report)* pour chaque appareil ou chaudière fabriqué selon ce NEC dans les 30 jours suivant la signature de cette déclaration;
- Le numéro de dessin enregistré et le numéro de révision doivent être indiqués sur la déclaration de conformité pour les équipements fabriqués selon ce NEC.

Le présent avis d'approbation ne dégage pas le fabricant de ses responsabilités quant à la conception ou à la construction des équipements ou d'accessoires fabriqués selon un NEC.

Salutations distinguées,

Direction des équipements sous pression

Montréal

255, boul. Crémazie Est, 2^{ème} étage

Montréal (Québec) H2M 1L5

Téléphone : 514 873-2546

Sans frais : 1 866 262-2084

enregistrementdesplans@rbq.gouv.qc.ca

www.rbq.gouv.qc.ca

Montréal, le 15 juin 2026.

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Manufacturer : TAIZHOU AILUN VALVE CO., LTD.
XIAQIU VILLAGE
QINGGANG ,YUHUAN ZHEJIANG
CHINA 317606

OUR REFERENCE : 940332

Design number : Scope of CRN Registration Dated February 5, 2026

Subject: Design registration confirmation

Hi,

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0A26576.56**.

The following is a reminder of your obligations regarding certain requirements of the regulation respecting pressure vessels, and the referenced codes and standards:

- The manufacturer must maintain a valid quality control program to manufacture equipment according to the CRN.
- The CRN remains valid as long as there are no changes to the design calculations that might affect the pressure boundary. The design registration of fittings expires 10 years after acceptance. It must, therefore, be resubmitted for validation.
- The manufacturer shall submit a copy of the *Manufacturer's Data Report* to us for each boiler or pressure vessel manufactured according to this CRN within 30 days following the signing of this report.
- The drawing number and the revision number registered under this CRN must be indicated on the *Manufacturer's Data Report* for equipment manufactured according to the CRN.

This notice of approval does not relieve the manufacturer of their responsibilities with respect to the design or fabrication of equipment manufactured according to this CRN.

Yours sincerely,

Direction des équipements sous pression

Montréal

255, boul. Crémazie Est, 2ième étage
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Technical Standards & Safety Authority
 345 Carlingview Drive
 Toronto, Ontario
 M9W6N9
 www.tssa.org

**DECLARATION OF CONFORMITY
 REGISTRATION OF FITTINGS**

FOR TSSA OFFICE USE ONLY

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



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

R-2282

Revision:

0

Manufacturer (Name and Address)

Taizhou Ailun Valve Co., Ltd., Xiajiu 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)
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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 fittings (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) 梁合文 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



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	Forging Brass ASTM B283 UNS C37700	- 40°F / - 40°C	R-2282 Rev. 0
Drawing and Fitting Type	Size	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-21101AC/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-43101AC/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	
	1-1/8"	AL-18101AC/R	729 psig at 250°F / 50 barg at 121°C	
Dwg. AL-102AC/R-CRN Rev. C Push Fit Coupling	3/8" x 1/4"	AL-83102AC/R	900 psig at 250°F / 62 barg at 121°C	
	1/2" x 3/8"	AL-21102AC/R	900 psig at 250°F / 62 barg at 121°C	
	5/8" x 1/2"	AL-85102AC/R	900 psig at 250°F / 62 barg at 121°C	
Dwg. AL-103AC/R-CRN Rev. C Push Fit Adapter Coupling	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	
	5/8" x 7/8" UNF	AL-85103AC/R	900 psig at 250°F / 62 barg at 121°C	
Dwg. AL-201AC/R-CRN Rev. C Push Fit Elbow	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		

TAIZHOU AILUN VALVE CO., LTD.

Xiaqiu Village, Qinggang Town,
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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).