

Montréal, le 10 novembre 2022.

MR. SCOTT ISLIP
ROUND ENGINEERING
10 SEGWUN RD
WATERDOWN ONTARIO
CANADA L8B OK6

Manufacturer : ARI-ARMATUREN
125 MEGELLAN CIRCLE
WEBSTER TX
USA 77598

OUR REFERENCE : 947075
Design number : AS PER SCOPE OF REGISTRATION

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): **0E07373.56**.

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 equipment 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,

Bureau d'expertise et d'homologation en équipements sous pression

Montréal

545, boul. Crémazie Est, 7ième étage
Montréal (Québec) H2M 2V2
Téléphone : 514 873-6459
Sans frais : 1 866 262-2084
www.rbq.gouv.qc.ca

Montréal, 10 novembre 2022.

MONSIEUR SCOTT ISLIP
ROUND ENGINEERING
10 SEGWUN RD
WATERDOWN ONTARIO
CANADA L8B 0K6

Fabricant : ARI-ARMATUREN
125 MEGELLAN CIRCLE
WEBSTER TX
USA 77598

Numéro de dossier : 947075
Numéro(s) de dessin(s) : AS PER SCOPE OF REGISTRATION

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) ~~017370156~~ **017370156**.

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 de conception doivent alors être resoumis pour validation;
- Le fabricant doit nous transmettre une copie de l' *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.

Bureau d'expertise et d'homologation en équipements sous pression


Building Act (B-1.1)
Regulation respecting pressure vessels (B-1.1, r. 6.1)
Boiler, pressure vessel, and pressure piping code (CSA B51)

This declaration must be filled out and sent to the Régie du bâtiment du Québec (RBQ) by pressure fitting manufacturers when they make an application registration for fittings.

For more information on the application registration for fittings, consult the www.rbq.gouv.qc.ca/fittings-pv.

1. Fittings to register

List the fittings included in this declaration and that you wish to register.

N°	Description	Additional information (detail, calculations or approval sheets)
1	STEAM TRAPS	
2	SCOPE OF CRN,	
3	CATALOG,	
4	REPORTS	
5	COMPANY LOGO - SEE RIGHT	

2. Declaration of the person in charge

The person in charge is someone in a position of authority, such as a vice-president, a plant manager or a chief engineer.

2.1 Design

I, the undersigned, Keefe Frentz Quality Manager
(Name of the person in charge) (Title of the person in charge)
 from ARI-ARMATUREN, located at See Worldwide Locations Appendix
(Company's name) (Plant's address)

hereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:

comply with the requirements of the ANSI/ASME codes as to their dimensions, identification, material and purpose or ASME B16.34

are not covered by the ANSI/ASME codes, but are in compliance with _____
(Name of code or standard)

code or standard and are designed according to the best current engineering practice, as proven by the enclosed approval report.

2.2 Manufacturing quality control

I further declare that the manufacture of these fittings is controlled by a quality control program that complies with the requirements of the following code: ISO 9001:2015, and has been verified by TUV
(Name of code) (Authorized agency)

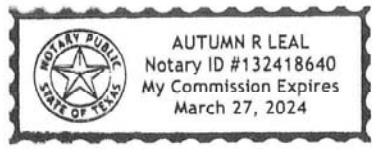
Signature of the person in charge: Keefe Frentz Date (yyyy-mm-dd): 2022-09-29

3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at Friendswood, TX, on 2022-09-29.
(Location) (Date (yyyy-mm-dd)):

Signature of commissioner for oaths:  Date (yyyy-mm-dd): 2022-09-29


Stamp the seal:



4. Registration confirmation (for RBQ's use only)

As far as I know, this application complies with the requirements of the Act and with standard CSA B51, Part 1, section 4.2, and is accepted for registration in the class _____.

This registration expires in ten (10) years after the date of registration indicated above, and it must be validated again after this period.

Canadian registration number (CRN):		Registration date (yyyy-mm-dd):
-------------------------------------	---	---------------------------------

Documents to attach

- Any application registration for fittings must include these documents:
- Statutory Declaration Registration of Fittings (2 copies)
 - Detailed calculations or burst test report (1 copy)
 - Detailed technical drawings or catalogues (2 copies)
 - Example of the manufacturer's marking (1 copy)
 - Proof that a valid and approved quality control program has been implemented (1 copy)
 - Form Application for design registration (1 copy)

Sending the form

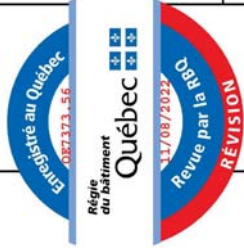
This declaration is necessary to submit an application for design registration. Design registration applications must be sent by email only to enregistrementdesplans@rbq.gouv.qc.ca.

Documents must be in PDF format and in separate files.



SCOPE OF CRN REGISTRATION

Product Description	Design Code	Standard Material (Note 4)	ARI-Armaturen Figure	Size Range	End Connection	Pressure Class	ASME B16.34 Table VII-2- (Note 3)	MAWP at MAWT (Note 1, 2, 3)	Design Report
CONA SC ANSI Ball Float Steam Trap Drawings VH00000010, VH00000070	ASME B16.34	Carbon Steel ASME SA105, SA216-WCB	42.634	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	1.1	285 psig at -20F/100F 80 psig at 800F	R-1292A R.0
			45.634 45.636	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	1.1	740 psig at -20F/100F 410 psig at 800F	
		Stainless Steel ASME SA182-F321, SA351-CF8	52.634	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	2.1 (Note 5)	275 psig at -20F/100F 20 psig at 1000F	
			55.634 55.636	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	2.1 (Note 5)	720 psig at -20F/100F 355 psig at 1000F	
		Steel ASME SA350-LF2-1, SA352-LCC	82.634	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	1.1 (Note 6)	285 psig at -20F/100F 80 psig at 800F	
			85.634 85.636	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	1.1 (Note 6)	740 psig at -20F/100F 410 psig at 800F	
CONA S ANSI Ball Float Steam Trap Drawings VH00000012, VH00000058	ASME B16.34	Carbon Steel ASME SA105, SA216-WCB	42.630	1/2", 3/4", 1", 1-1/2", 2", 2-1/2", 3", 4"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	1.1	285 psig at -20F/100F 80 psig at 800F	R-1292B R.0
			45.631	1/2", 3/4", 1", 1-1/2", 2", 2-1/2", 3", 4"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	1.1	740 psig at -20F/100F 410 psig at 800F	





SCOPE OF CRN REGISTRATION CONTINUED

Product Description	Design Code	Standard Material (Note 4)	ARI-Armature Figure	Size Range	End Connection	Pressure Class	ASME B16.34 Table VII-2- (Note 3)	MAWP at MAWT (Note 1, 2, 3)	Design Report
CONA S ANSI Ball Float Steam Trap Drawings VH00000012, VH00000058	ASME B16.34	Stainless Steel ASME SA182-F321, SA351-CF8	52.630	1/2", 3/4", 1", 1-1/2", 2", 2-1/2", 3", 4"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	2.1 (Note 5)	275 psig at -20F/100F 20 psig at 1000F	R-1292B R.0
			52.631						
			55.630	1/2", 3/4", 1", 1-1/2", 2", 2-1/2", 3", 4"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	2.1 (Note 5)	720 psig at -20F/100F 355 psig at 1000F	
			55.631						
			82.630	1/2", 3/4", 1", 1-1/2", 2", 2-1/2", 3", 4"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	1.1 (Note 6)	285 psig at -20F/100F 80 psig at 800F	
			82.631						
	85.630	1/2", 3/4", 1", 1-1/2", 2", 2-1/2", 3", 4"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	1.1 (Note 6)	740 psig at -20F/100F 410 psig at 800F			
	85.631								
	42.633	Carbon Steel ASME SA105, SA216-WCB		1-1/2", 2", 2-1/2", 3", 4"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	1.1	285 psig at -20F/100F 80 psig at 800F	
	45.633			1-1/2", 2", 2-1/2", 3", 4"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	1.1	740 psig at -20F/100F 410 psig at 800F	



SCOPE OF CRN REGISTRATION CONTINUED

Product Description	Design Code	Standard Material (Note 4)	ARI-Armature Figure	Size Range	End Connection	Pressure Class	ASME B16.34 Table VII-2- (Note 3)	MAWP at MAWT (Note 1, 2, 3)	Design Report
CONA S ANSI Ball Float Steam Trap Drawings VH00000012, VH00000058	ASME B16.34	Stainless Steel ASME SA182-F321, SA351-CF8	52.633	1-1/2", 2",	NPT, Socket Weld, Buttweld, CL150 Flanged CL150 Flanged	ANSI 150	2.1 (Note 5)	275 psig at -20F/100F 20 psig at 1000F	R-1292B R.0
				2-1/2", 3", 4"				720 psig at -20F/100F 355 psig at 1000F	
			55.633	1-1/2", 2",	NPT, Socket Weld, Buttweld, CL300 Flanged CL300 Flanged	ANSI 300	2.1 (Note 5)	285 psig at -20F/100F 80 psig at 800F	
				2-1/2", 3", 4"				740 psig at -20F/100F 410 psig at 800F	
CONA B ANSI Bimetallic Steam Trap Drawings VH00000004, VH00000013, VH00000028, VH00000029	ASME B16.34	Carbon Steel ASME SA105	82.633	1-1/2", 2",	NPT, Socket Weld, Buttweld, CL150 Flanged CL150 Flanged	ANSI 150	1.1 (Note 6)	285 psig at -20F/100F 80 psig at 800F	R-1292C R.0
				2-1/2", 3", 4"				740 psig at -20F/100F 410 psig at 800F	
			85.633	1-1/2", 2",	NPT, Socket Weld, Buttweld, CL300 Flanged CL300 Flanged	ANSI 300	1.1 (Note 6)	285 psig at -20F/100F 80 psig at 800F	
				2-1/2", 3", 4"				740 psig at -20F/100F 410 psig at 800F	
			42.600 42.601	1/2", 3/4", 1", 1-1/2", 2"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	1.1	285 psig at -20F/100F 80 psig at 800F	
				1/2", 3/4", 1", 1-1/2", 2"				740 psig at -20F/100F 410 psig at 800F	
			45.600 45.601	1/2", 3/4", 1", 1-1/2", 2"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	1.1	1480 psig at -20F/100F 825 psig at 800F	
				1/2", 3/4", 1", 1-1/2", 2"				1480 psig at -20F/100F 825 psig at 800F	
			47.600 47.601	1/2", 3/4", 1", 1-1/2", 2"	NPT, Socket Weld, Buttweld, CL600 Flanged	ANSI 600	1.1	1480 psig at -20F/100F 825 psig at 800F	
				1/2", 3/4", 1", 1-1/2", 2"				1480 psig at -20F/100F 825 psig at 800F	



SCOPE OF CRN REGISTRATION CONTINUED

Product Description	Design Code	Standard Material (Note 4)	ARI-Armaturen Figure	Size Range	End Connection	Pressure Class	ASME B16.34 Table VII-2- (Note 3)	MAWP at MAWT (Note 1, 2, 3)	Design Report			
CONA B ANSI Bimetallic Steam Trap Drawings VH00000004, VH00000013, VH00000028, VH00000029	ASME B16.34	Stainless Steel ASME SA182-F321	52.600	1/2", 3/4", 1", 1-1/2", 2"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	2.4	275 psig at -20F/100F 20 psig at 1000F	R-1292C R.0			
			52.601									
		Stainless Steel ASME SA182-F321	55.600	1/2", 3/4", 1", 1-1/2", 2"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	2.4	720 psig at -20F/100F 365 psig at 1000F				
			82.600	1/2", 3/4", 1", 1-1/2", 2"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	1.1	285 psig at -20F/100F 80 psig at 800F				
		Steel ASME SA350-LF2-1	85.600	1/2", 3/4", 1", 1-1/2", 2"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 300	1.1	740 psig at -20F/100F 410 psig at 800F				
			85.601									
		CONA M ANSI Thermostatic Steam Trap Drawings VH00000009, VH00000037	ASME B16.34	Carbon Steel ASME SA105	42.610	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150		1.1	285 psig at -20F/100F 80 psig at 800F	R-1292D R.0
					42.611							
				42.612								
				42.613								
45.610	1/2", 3/4", 1"			NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	1.1	740 psig at -20F/100F 410 psig at 800F					
45.611												
45.612												
45.613												
52.610	1/2", 3/4", 1"			NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	2.4	275 psig at -20F/100F 20 psig at 1000F					
52.611												
52.612												
52.613												
55.610	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 300	2.4	720 psig at -20F/100F 365 psig at 1000F							
55.611												
55.612												
55.613												
82.610	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	1.1	285 psig at -20F/100F 80 psig at 800F							
82.611												
82.612												
82.613												



SCOPE OF CRN REGISTRATION CONTINUED

Product Description	Design Code	Standard Material (Note 4)	ARI-Armaturen Figure	Size Range	End Connection	Pressure Class	ASME B16.34 Table VII-2- (Note 3)	MAWP at MAWT (Note 1, 2, 3)	Design Report
CONA M ANSI Thermostatic Steam Trap Drawings VH00000009, VH00000037	ASME B16.34	Steel ASME SA350-LF2-1	85.610	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	1.1	740 psig at -20F/100F 410 psig at 800F	R-1292D R.0
			85.611						
			85.612						
			85.613						
CONA TD ANSI Thermodynamic Steam Trap Drawings VH00000011, VH00000075	ASME B16.34	Carbon Steel ASME SA105	42.640	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	1.1	285 psig at -20F/100F 80 psig at 800F	R-1292E R.0
			42.641						
			45.640						
			45.641						
		Stainless Steel ASME SA182-F321	47.640	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL600 Flanged	ANSI 600	1.1	1480 psig at -20F/100F 825 psig at 800F	
			47.641						
			52.640						
			52.641						
			55.640	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	2.4	275 psig at -20F/100F 20 psig at 1000F	
			55.641						
			82.640						
			82.641						
		Steel ASME SA350-LF2-1	85.640	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 300	2.4	720 psig at -20F/100F 365 psig at 1000F	
			85.641						
			82.640						
			82.641						
			85.640	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 150	1.1	285 psig at -20F/100F 80 psig at 800F	
			85.641						
			740 psig at -20F/100F 410 psig at 800F						
			740 psig at -20F/100F 410 psig at 800F						



SCOPE OF CRN REGISTRATION CONTINUED

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature.

Note 2: The pressure-temperature ratings shown are the maximum CRN pressure-temperature ratings. In all cases the MAWP may be limited by the seat or seal material or other considerations. Please consult ARI-Armaturen literature.

Note 3: Pressure-temperature ratings above 100°F are in accordance with applicable ASME B16.34 Table 2 ratings.

Note 4: Other ASME B16.34 materials may be supplied. When this is the case the pressure-temperature ratings of the valves are to be in accordance with the applicable ASME B16.34 Table 2 ratings.

Note 5: Steam traps constructed from a combination of ASME SA351-CF8 and SA182-F321 shall be limited to ASME B16.34 Material Group 2.1 Ratings.

Note 6: Steam traps constructed from a combination of ASME SA350-LF2-1 and SA352-LCC shall be limited to ASME B16.34 Material Group 1.1 Ratings.

Note 7: Per ASME B16.34 para. 2.3.2, the pressure rating for service at any temperature below -20F shall be no greater than the ASME B16.34 ratings for -20°F. Products that are to operate at low temperatures shall conform to the rules of the applicable codes under which they are used.

Note 8: Pressure-Temperature Ratings of buttweld end valves may be limited by the buttweld end pressure rating. Butt weld end pressure ratings shall be calculated in accordance with the rules of the applicable codes under which they are used.

Note 9: See attached Worldwide Locations Appendix.