345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

March 15, 2022

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 8058479
Your Reference No.: R1292N - RENEWAL OF CRN#0E7373.5 - STEAM TRAPS
Registered to: ARI-ARMATUREN USA LP

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 : 0E7373.5R3
Main Design No.: Steam Traps per Scope of Registration
Expiry Date: Mar 15, 2032

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

ARI ARMATUREN

STATUTORY DECLARATION
Registration of Fittings

I, KEEFE FRENTZ, QUALITY MANAGER
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of ARI-ARMATUREN
(Name of Manufacturer)

Located at SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX
(Plant Address) *(Telephone No.)* *(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 ASME B16.34
(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 _____ 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 ISO 9001:2015 which has been verified by the following authority, TUV.

The items covered by this declaration, for which I seek registration, are category E - STEAM TRAPS type fittings. In support of this application, the following information and/or test data are attached as follows:
SCOPE OF CRN REGISTRATION, REPORTS, CATALOGS
(drawings, calculations, test reports, etc.)

Declared before me at Webster **in the** State **of** Texas

the 19 **day of** January **AD 20** 21.

TEODORO SOSA III
Notary ID #131289924
My Commission Expires
September 21, 2021

Commissioner for Oaths:

Teodoro Sosa
(Printed name)

(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 'E'.

CRN: _____

Registered by: _____

Dated: _____

NOTE: This registration expires on: Mar. 15, 2032

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0E7373.5R3

Signed:

Date: March 15, 2022.

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

PV 09553 (04/17)

Note: See attached Scope of Registration and Manufacturing Locations.

ARI-ARMATUREN USA, LP
125 MAGELLAN CIRCLE
WEBSTER, TX
77598, USA

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 42.636	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 52.636	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 82.636	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 42.631	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	R-1292B R.0
				2-1/2", 3", 4"	CL150 Flanged				
			45.630 45.631	1/2", 3/4", 1", 1-1/2", 2",	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	1.1	740 psig at -20F/100F 410 psig at 800F	
				2-1/2", 3", 4"	CL300 Flanged				

ARI-ARMATUREN USA, LP
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77598, USA

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 S ANSI Ball Float Steam Trap Drawings VH00000012, VH00000058	ASME B16.34	Stainless Steel ASME SA182-F321, SA351-CF8	52.630 52.631	1/2", 3/4", 1", 1-1/2", 2",	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
				2-1/2", 3", 4"	CL150 Flanged				
			55.630 55.631	1/2", 3/4", 1", 1-1/2", 2",	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	2.1 **(Note 5)**	720 psig at -20F/100F 355 psig at 1000F	
				2-1/2", 3", 4"	CL300 Flanged				
		Steel ASME SA350-LF2-1, SA352-LCC	82.630 82.631	1/2", 3/4", 1", 1-1/2", 2",	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	1.1 **(Note 6)**	285 psig at -20F/100F 80 psig at 800F	
				2-1/2", 3", 4"	CL150 Flanged				
			85.630 85.631	1/2", 3/4", 1", 1-1/2", 2",	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	1.1 **(Note 6)**	740 psig at -20F/100F 410 psig at 800F	
				2-1/2", 3", 4"	CL300 Flanged				
		Carbon Steel ASME SA105, SA216-WCB	42.633	1-1/2", 2"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	1.1	285 psig at -20F/100F 80 psig at 800F	
				2-1/2", 3", 4"	CL150 Flanged				
			45.633	1-1/2", 2"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	1.1	740 psig at -20F/100F 410 psig at 800F	
				2-1/2", 3", 4"	CL300 Flanged				

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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 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	ANSI 150	2.1 **(Note 5)**	275 psig at -20F/100F 20 psig at 1000F	R-1292B R.0
				2-1/2", 3", 4"	CL150 Flanged				
			55.633	1-1/2", 2",	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	2.1 **(Note 5)**	720 psig at -20F/100F 355 psig at 1000F	
				2-1/2", 3", 4"	CL300 Flanged				
		Steel ASME SA350-LF2-1, SA352-LCC	82.633	1-1/2", 2",	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	1.1 **(Note 6)**	285 psig at -20F/100F 80 psig at 800F	
				2-1/2", 3", 4"	CL150 Flanged				
			85.633	1-1/2", 2",	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	1.1 **(Note 6)**	740 psig at -20F/100F 410 psig at 800F	
				2-1/2", 3", 4"	CL300 Flanged				
CONA B ANSI Bimetallic Steam Trap Drawings VH00000004, VH00000013, VH00000028, VH00000029	ASME B16.34	Carbon Steel ASME SA105	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	R-1292C R.0
			45.600 45.601	1/2", 3/4", 1", 1-1/2", 2"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	1.1	740 psig at -20F/100F 410 psig at 800F	
			47.600 47.601	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL600 Flanged	ANSI 600	1.1	1480 psig at -20F/100F 825 psig at 800F	

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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 52.601	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
		Stainless Steel ASME SA182-F321	55.600 55.601	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	
		Steel ASME SA350-LF2-1	82.600 82.601	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	
		Steel ASME SA350-LF2-1	85.600 85.601	1/2", 3/4", 1", 1-1/2", 2"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	1.1	740 psig at -20F/100F 410 psig at 800F	
CONA M ANSI Thermostatic Steam Trap Drawings VH00000009, VH00000037	ASME B16.34	Carbon Steel ASME SA105	42.610 42.611 42.612 42.613	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
			45.610 45.611 45.612 45.613	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	52.610 52.611 52.612 52.613	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	2.4	275 psig at -20F/100F 20 psig at 1000F	
			55.610 55.611 55.612 55.613	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	2.4	720 psig at -20F/100F 365 psig at 1000F	
		Steel ASME SA350-LF2-1	82.610 82.611 82.612 82.613	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	1.1	285 psig at -20F/100F 80 psig at 800F	

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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 85.611 85.612 85.613	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
CONA TD ANSI Thermodynamic Steam Trap Drawings VH00000011, VH00000075	ASME B16.34	Carbon Steel ASME SA105	42.640 42.641	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
			45.640 45.641	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	1.1	740 psig at -20F/100F 410 psig at 800F	
			47.640 47.641	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL600 Flanged	ANSI 600	1.1	1480 psig at -20F/100F 825 psig at 800F	
		Stainless Steel ASME SA182-F321	52.640 52.641	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	2.4	275 psig at -20F/100F 20 psig at 1000F	
			55.640 55.641	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	2.4	720 psig at -20F/100F 365 psig at 1000F	
		Steel ASME SA350-LF2-1	82.640 82.641	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	1.1	285 psig at -20F/100F 80 psig at 800F	
			85.640 85.641	1/2", 3/4", 1"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	1.1	740 psig at -20F/100F 410 psig at 800F	

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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 that 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. Buttweld 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.

WORLDWIDE LOCATIONS APPENDIX – PAGE 1 OF 1

ARI-ARMATUREN LOCATIONS & CERTIFYING AUTHORITIES

(rev. February 20, 2020)

ARI-Armaturen Albert Richter GmbH & Co. KG
Mergelheide 56-60
33758 Schlob Holte-Stukenbrock
Germany
ISO 9001 Certified by TUV

ARI-Armaturen Albert Richter GmbH & Co. KG
Am Eisenwerk 10
34576 Homberg (Efze)
Germany
ISO 9001 Certified by TUV

ARI-Armaturenwerk Halle GmbH
Turmstrabe 118
06110 Halle (Saale)
Germany
ISO 9001 Certified by TUV

THIS IS PART OF CRN
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Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program

ARI-Armaturen A/S
Teknikervei 10
7000 Frederica
Denmark
ISO 9001 Certified by TUV

ARI-Armaturen GmbH
Lichtblaustrabe 10A
1220 Wien
Austria
ISO 9001 Certified by TUV

ARI-Armaturen USA, LP
125 Megellan Circle
Webster, TX
77598, USA
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