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

www.tssa.org

November 28, 2023

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 14018517
Your Reference No.: R-1688 - ADDENDUM TO 0E7373.5C - NATIONAL SERVICE
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 : 0E7373.5ADD4
Main Design No.: Addition of Steam Traps per Scope of Registration attached to the Statutory Declaration
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 29th **day of** April **AD 20**22.

TEODORO SOSA III
My Notary ID # 131289924
Expires November 30, 2025

Commissioner for Oaths:

Teodoro Sosa III
(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: _____

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

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

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0E7373.5ADD4

Signed:

Date: November 28, 2023.

**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 documents for Scope of Registration and Manufacturing locations.

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

26-Aug-22

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 2 (Note 3)	MAWP at MAWT (Note 1, 2, 3)	Design Report
CONA SC ANSI Ball Float Steam Trap Drawings VH00000068	ASME B16.34	Carbon Steel ASME SA105, SA216-WCB	42.635	1"	NPT, CL150 Flanged	ANSI 150	1.1	285 psig at -20F/100F 80 psig at 800F	R-1688A R.0
			45.635	1"	NPT, CL300 Flanged	ANSI 300	1.1	740 psig at -20F/100F 410 psig at 800F	
		Stainless Steel ASME SA182-F321, SA351-CF8	52.635	1"	NPT, CL150 Flanged	ANSI 150	2.1 **(Note 5)**	275 psig at -20F/100F 20 psig at 1000F	
			55.635	1"	NPT, CL300 Flanged	ANSI 300	2.1 **(Note 5)**	720 psig at -20F/100F 355 psig at 1000F	
		Steel ASME SA350-LF2-1, SA352-LCC	82.635	1"	NPT, CL150 Flanged	ANSI 150	1.1 **(Note 6)**	285 psig at -20F/100F 125 psig at 650F	
			85.635	1"	NPT, CL300 Flanged	ANSI 300	1.1 **(Note 6)**	740 psig at -20F/100F 550 psig at 650F	
CONA S ANSI Ball Float Steam Trap Drawings VH00000059	ASME B16.34	Carbon Steel ASME SA105, SA216-WCB	42.639	2", 2-1/2", 3", 4"	CL150 Flanged	ANSI 150	1.1	285 psig at -20F/100F 80 psig at 800F	R-1688B R.0
			45.639	2", 2-1/2", 3", 4"	CL300 Flanged	ANSI 300	1.1	740 psig at -20F/100F 410 psig at 800F	
		Stainless Steel ASME SA182-F321, SA351-CF8	52.639	2", 2-1/2", 3", 4"	CL150 Flanged	ANSI 150	2.1 **(Note 5)**	275 psig at -20F/100F 20 psig at 1000F	
			55.639	2", 2-1/2", 3", 4"	CL300 Flanged	ANSI 300	2.1 **(Note 5)**	720 psig at -20F/100F 355 psig at 1000F	
		Steel ASME SA350-LF2-1, SA352-LCC	82.639	2", 2-1/2", 3", 4"	CL150 Flanged	ANSI 150	1.1 **(Note 6)**	285 psig at -20F/100F 125 psig at 650F	
			85.639	2", 2-1/2", 3", 4"	CL300 Flanged	ANSI 300	1.1 **(Note 6)**	740 psig at -20F/100F 550 psig at 650F	
CONA B ANSI Bimetallic Steam Trap Drawings VH00000021, VH00000027	ASME B16.34	Steel ASME SA182-F12 CL. 2	86.600	1/2", 3/4" 1/2", 3/4", 1"	Socket Weld, Buttweld, CL400 Flanged	ANSI 400	1.17	1000 psig at -20F/100F 265 psig at 1000F	R-1688C R.0
			87.600	1/2", 3/4" 1/2", 3/4", 1"	Socket Weld, Buttweld, CL600 Flanged	ANSI 600	1.17	1500 psig at -20F/100F 400 psig at 1000F	
			88.600	1/2", 3/4" 1/2", 3/4", 1"	Socket Weld, Buttweld, CL900 Flanged	ANSI 900	1.17	2250 psig at -20F/100F 595 psig at 1000F	

ARI-ARMATUREN USA, LP
125 MAGELLAN CIRCLE
WEBSTER, TX
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 2 (Note 3)	MAWP at MAWT (Note 1, 2, 3)	Design Report
CONA B ANSI Bimetallic Steam Trap Drawings VH00000021, VH00000027	ASME B16.34	Steel ASME SA182-F22 CL. 3	8c.600	1/2", 3/4", 1"	Socket Weld, Buttweld, CL2500 Flanged	ANSI 2500	1.10	6250 psig at -20F/100F 915 psig at 1100F	R-1688C R.0
		Steel ASME SA182-F91	8c.600	1/2", 3/4", 1"	Socket Weld, Buttweld,	ANSI 2500	1.15	6250 psig at -20F/100F 2485 psig at 1100F	
CONA M ANSI Thermostatic Steam Trap Drawings VH00000039, VH00000040, VH00000047	ASME B16.34	Carbon Steel ASME SA105	42.616 4K2, 6K2, 10K2	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-1688D R.0
			45.616 4K2, 6K2, 10K2	1", 1-1/2", 2"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	1.1	740 psig at -20F/100F 410 psig at 800F	
		Stainless Steel ASME SA182-F321	52.616 4K2, 6K2, 10K2	1", 1-1/2", 2"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	2.1	275 psig at -20F/100F 20 psig at 1000F	
			55.616 4K2, 6K2, 10K2	1", 1-1/2", 2"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	2.1	720 psig at -20F/100F 355 psig at 1000F	
		Steel ASME SA350-LF2-1	82.616 4K2, 6K2, 10K2	1", 1-1/2", 2"	NPT, Socket Weld, Buttweld, CL150 Flanged	ANSI 150	1.1	285 psig at -20F/100F 80 psig at 800F	
			85.616 4K2, 6K2, 10K2	1", 1-1/2", 2"	NPT, Socket Weld, Buttweld, CL300 Flanged	ANSI 300	1.1	740 psig at -20F/100F 410 psig at 800F	

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

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

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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