

Accepted on: March 02, 2023

Expiry Date: April 22, 2033

March 02, 2023

Attention: Cecylia Garbacz TECHNICAL STANDARDS & SAFETY AUTHORITY 345 CARLINGVIEW DRIVE TORONTO, ON M9W 6N9

The design submission, Tracking Number 2023-00992, Web Portal Number 2023-S0584, originally received on February 16, 2023 was surveyed and accepted for registration as follows:

CRN : 0G08455.52

Reg Type: RENEWAL

Drawing No. : SCOPE OF CRN REGISTRATION

Fitting type: PRESSURE RELIEF VALVES

Design registered in the name of : ARI-ARMATUREN ALBERT RICHTER GMBH & CO KG

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

** The scope of this registration include renewal, with changes to the maximum inlet size for ARI Figures 52.901, 52.911, 55.901 and 55.911 from 4NPS to 6NPS

** Design Report #: R-1748 Rev 0

** See attached for a list of manufacturing locations

As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction is SECTION VIII, DIV. 1.

- 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 question don't hesitate to contact me by phone at (780) 433-0281 ext 3337 or fax (780) 437-7787 or e-mail Dick@absa.ca.

Sincerely,

2023-00992

Continued on the next page...



9410 - 20 Ave N.W. Edmonton, Alberta, Canada T6N 0A4 Tel: (780) 437-9100 / Fax: (780) 437-7787

March 02, 2023

DICK, ASHLING, P. Eng. DOP Cert. No. D00007936



Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



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 <i>Technical Standards and Safety Act</i> , Bo and Pressure Vessels Regulation, comply with all of the requirements of ASME SECTION VIII-1	oilers
(Title of recognized North American Standard) which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service	ə;
or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply as supported by the attached data which identifies the dimensions, material of construct pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.	with ction,
I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of <u>ASME UV</u> which has been verified by the following authority, <u>ASME</u> The items covered by this declaration, for which I seek registration, are category <u>G - SAFETY RELIEF VALVES</u> type fittings. In support this application, the following information and/or test data are attached as follows:	 prt of
SCOPE OF CRN REGISTRATION, CATALOG, REPORT	
(drawings, calculations, test reports, etc.)	
Declared before me at Webster, Texas in the <u>State</u> of <u>Texas</u>	
the 22 day of July AD 2022. Commissioner for Oaths: <u>Teadoro Soso TH</u> (Printed name) (Signature) <u>Signature</u>) <u>Signature</u> (Signature of Declarer)	
FOR OFFICE USE ONLY 2023-00992 To the best of my knowledge and belief, the application meets the requirements of the ABSA	٦
Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and SAFETY CODES ACT - PROMICE OF ALBERTA CSA Standard B51 and is accepted for registration in Category 'G' ACCEPTED: OCO8455.52	
CRN: CRN:C	/
Registered by: ASHLING DICK, P. E	ng. 6
Dated: 2023-03-02 This stamp and signature have been affixed electronic to this registered design as required by Section 20(1) the Pressure Equipment Safety Regulation, in accorda	cally of ince
NOTE: This registration expires on: 2033-04-22 with the Electronic Transactions Act.	

*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) ** The scope of this registration include renewal, with changes to the maximum inlet size for ARI Figures 52.901, 52.911, 55.901 and 55.911 from 4NPS to 6NPS. Design report #: R-1748 Rev 0.

ARI-ARMATUREN USA, LP

125 MAGELLAN CIRCLE WEBSTER, TX 77598, USA



THIS IS PART OF CRN 0G8455.5R2

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety Program PAGE 1 OF 2

SCOPE OF CRN REGISTRATION

Product		Nominal			Process	Pressure			Certified	Certificate	Drawing No. /
Description	Figure	Pressure	Material	Form	Connection	Range	NPS Min	NPS Max.	Medium	Number NB	Design Report
ARI-SAFE-SN	32.901	ANSI 150	ASME	Angle	ASME B16.5	>=15 psig	1"	1"	Water	08020	Drawing No.
ANSI			SA216-WCB	Through	Flanged	>=15 psig	1.5"	6"	Water	08019	s050010007 /
Safety Valve						15 psig - 30 psig	1"	6"	Steam & Air/Gas	08031	Design Report
						>=30 psig	1"	6"	Steam & Air/Gas	08008	R-1748 Rev. 0
ARI-SAFE-SN	32.902	ANSI 150	ASME	Angle	ASME B16.5	>=15 psig	1"	1"	Water	08020	
ANSI			SA216-WCB	Through	Flanged	>=15 psig	1.5"	6"	Water	08019	
Safety Valve						15 psig - 30 psig	1"	6"	Steam & Air/Gas	08031	
						>=30 psig	1"	6"	Steam & Air/Gas	08008	
ARI-SAFE-SN	32.911	ANSI 150	ASME	Angle	ASME B16.5	>=15 psig	1"	1"	Water	08020	
ANSI			SA216-WCB	Through	Flanged	>=15 psig	1.5"	6"	Water	08019	
Safety Valve						15 psig - 30 psig	1"	6"	Steam & Air/Gas	08031	
						>=30 psig	1"	6"	Steam & Air/Gas	08008	
ARI-SAFE-SN	32.912	ANSI 150	ASME	Angle	ASME B16.5	>=15 psig	1"	1"	Water	08020	
ANSI			SA216-WCB	Through	Flanged	>=15 psig	1.5"	6"	Water	08019	
Safety Valve						15 psig - 30 psig	1"	6"	Steam & Air/Gas	08031	
						>=30 psig	1"	6"	Steam & Air/Gas	08008	
ARI-SAFE-SN	35.901	ANSI 300	ASME	Angle	ASME B16.5	>=15 psig	1"	1"	Water	08020	Drawing No.
ANSI			SA216-WCB	Through	Flanged	>=15 psig	1.5"	6"	Water	08019	s050010006 /
Safety Valve						15 psig - 30 psig	1"	6"	Steam & Air/Gas	08031	Design Report
						>=30 psig	1"	6"	Steam & Air/Gas	08008	R-1748 Rev. 0
ARI-SAFE-SN	35.902	ANSI 300	ASME	Angle	ASME B16.5	>=15 psig	1"	1"	Water	08020	
ANSI			SA216-WCB	Through	Flanged	>=15 psig	1.5"	6"	Water	08019	
Safety Valve						15 psig - 30 psig	1"	6"	Steam & Air/Gas	08031	
						>=30 psig	1"	6"	Steam & Air/Gas	08008	
ARI-SAFE-SN	35.911	ANSI 300	ASME	Angle	ASME B16.5	>=15 psig	1"	1"	Water	08020	
ANSI			SA216-WCB	Through	Flanged	>=15 psig	1.5"	6"	Water	08019	
Safety Valve						15 psig - 30 psig	1"	6"	Steam & Air/Gas	08031	
						>=30 psig	1"	6"	Steam & Air/Gas	08008	
ARI-SAFE-SN	35.912	ANSI 300	ASME	Angle	ASME B16.5	>=15 psig	1"	1"	Water	08020	
ANSI			SA216-WCB	Through	Flanged	>=15 psig	1.5"	6"	Water	08019	
Safety Valve						15 psig - 30 psig	1"	6"	Steam & Air/Gas	08031	
						>=30 psig	1"	6"	Steam & Air/Gas	08008	
ARI-SAFE-SN	52.901	ANSI 150	ASME	Angle	ASME B16.5	>=15 psig	1"	1"	Water	08020	Drawing No.
ANSI			SA351-CF8M	Through	Flanged	>=15 psig	1.5"	6"	Water	08019	s050010018 /
Safety Valve						15 psig - 30 psig	1"	6"	Steam & Air/Gas	08031	Design Report
						>=30 psig	1"	6"	Steam & Air/Gas	08008	R-1748 Rev. 0
ARI-SAFE-SN	52.911	ANSI 150	ASME	Angle	ASME B16.5	>=15 psig	1"	1"	Water	08020	ļ
ANSI			SA351-CF8M	Through	Flanged	>=15 psig	1.5"	6"	Water	08019	ļ
Safety Valve						15 psig - 30 psig	1"	6"	Steam & Air/Gas	08031	ļ
						>=30 psig	1"	6"	Steam & Air/Gas	08008	

20-Oct-22

ARI-ARMATUREN USA, LP

125 MAGELLAN CIRCLE WEBSTER, TX 77598, USA



THIS IS PART OF CRN 0G8455.5R2 Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program

PAGE 2 OF 2

SCOPE OF CRN REGISTRATION CONTINUED

Product		Nominal			Process	Pressure			Certified	Certificate	Drawing
Description	Figure	Pressure	Material	Form	Connection	Range	NPS Min	NPS Max.	Medium	Number NB	No.
ARI-SAFE-SN	55.901	ANSI 300	ASME	Angle	ASME B16.5	>=15 psig	1"	1"	Water	08020	Drawing No.
ANSI			SA351-CF8M	Through	Flanged	>=15 psig	1.5"	6"	Water	08019	s050010019 /
Safety Valve						15 psig - 30 psig	1"	6"	Steam & Air/Gas	08031	Design Report
						>=30 psig	1"	6"	Steam & Air/Gas	08008	R-1748 Rev. 0
ARI-SAFE-SN	55.911	ANSI 300	ASME	Angle	ASME B16.5	>=15 psig	1"	1"	Water	08020	
ANSI			SA351-CF8M	Through	Flanged	>=15 psig	1.5"	6"	Water	08019	
Safety Valve						15 psig - 30 psig	1"	6"	Steam & Air/Gas	08031	
						>=30 psig	1"	6"	Steam & Air/Gas	08008	

Note 1: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

Note 2: Valves shall be marked with the ASME Certification mark and UV Designator along with the Canadian Registration Number (CRN).

Note 3: See attached Worldwide Locations Appendix.

Note 4: See attached copy of National Board Listings applicable to this Canadian Registration Number (CRN).



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. 20-Oct-22



WORLDWIDE LOCATIONS APPENDIX – PAGE 1 OF 1

ARI-ARMATUREN LOCATIONS & CERTIFYING AUTHORITIES

(rev. July 20, 2022)

ARI-Armaturen Albert Richter GmbH & Co. KG

Mergelheide 56-60 33758 Schlob Holte-Stukenbrock Germany ASME UV expires 12/16/2024

ARI-Armaturen USA, LP

125 Megellan CircleWebster, TX77598, USAASME UV expires 9/20/2024





This stamp and signature have been antixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

ARI - Armaturen USA, LP (TAR)

Webster, TX 77598United States

This Company Manufactures or Assembles:

Design Name	e: 901/902/91	11/912		NBCert ;	¢ 08008			
Manufacturer/A	ssembler		Designato	ors	Ex	piration Date		
Manufacturer			UV		11	/21/2023		
Design Type								
[Safety Relief Valve] 901/902/911/912 Capacity Tests: Sec. UV at National Board Testing Lab on November 9, 2001 Method of Establishing Relieving Capacity: Flow Capacity, K Certified Value: 0.817 Unitless Media - Test: Air/Gas; Certified: Air, Gas, Steam Set Pressure Definition: Initial Audible Discharge Blowdown Characteristics: Fixed Designed by: ARI-Armaturen Albert Richter GmbH & Co. KG {ARI}								
Inlet Size	Outlet Size	Flow Area	Orifice [designator] dia.	Lift	Set Pressure Range	Media	Designator	
1 NPS	1.5, 2.0 NPS	0.617 in ²	0.886 in	0.22 in	30-493 psi	Air	UV	
1 NPS	1.5, 2.0 NPS	0.617 in ²	0.886 in	0.22 in	30-493 psi	Steam	UV	
1.25 NPS	2.0 NPS	1.024 in ²	1.142 in	0.29 in	30-493 psi	Air	UV	
1.25 NPS	2.0 NPS	1.024 in ²	1.142 in	0.29 in	30-493 psi	Steam	UV	
1.5 NPS	2, 2.5 NPS	1.024 in ²	1.142 in	0.29 in	30-493 psi	Air	UV	
1.5 NPS	2, 2.5 NPS	1.024 in ²	1.142 in	0.29 in	30-493 psi	Steam	UV	
1.5 NPS	2.5, 3.0 NPS	1.578 in ²	1.417 in	0.37 in	30-493 psi	Air	UV	
1.5 NPS	2.5, 3.0 NPS	1.578 in ²	1.417 in	0.37 in	30-493 psi	Steam	UV	
2 NPS	3 NPS	2.465 in ²	1.772 in	0.45 in	30-493 psi	Air	UV	
2 NPS	3 NPS	2.465 in ²	1.772 in	0.45 in	30-493 psi	Steam	UV	
2.5-3 NPS	4 NPS	4.166 in ²	2.303 in	0.61 in	30-406 psi	Air	UV	
2.5-3 NPS	4 NPS	4.166 in ²	2.303 in	0.61 in	30-406 psi	Steam	UV	
4 NPS	6 NPS	9.861 in ²	3.543 in	0.98 in	30-276 psi	Air	UV	
4 NPS	6 NPS	9.861 in ²	3.543 in	0.98 in	30-276 psi	Steam	UV	
5-6 NPS	8 NPS	13.678 in ²	4.173 in	1.34 in	30-392 psi	Air	UV	
5-6 NPS	8 NPS	13.678 in ²	4.173 in	1.34 in	30-392 psi	Steam	UV	
6 NPS	10 NPS	19.022 in ²	4.921 in	1.46 in	30-305 psi	Air	UV	
6 NPS	10 NPS	19.022 in ²	4.921 in	1.46 in	30-305 psi	Steam	UV	

Design Name	e: 901/902/91	11/912 (1"	iquid)		NBCert # 080)20	
Manufacturer/A	ssembler		Desi	ignators		Expiration Date	
Manufacturer			UV			11/21/2023	
Design Type							
[Relief Valve] 90 Capacity Tests: S Method of Estab Certified Value:1 Media - Test: Wa Set Pressure De Blowdown Chara Designed by: AR	1/902/911/912 (1" liq Sec. UV at National E lishing Relieving Cap 4.410 GPM/SQ.RT. F ater/Liquid; Certified: finition: Opening Pre- acteristics: Fixed I-Armaturen Albert R	uid) Board Testing L pacity: Flow Ca PSID Liquid ssure Richter GmbH &	ab on August 24 pacity, Flow Fact : Co. KG {ARI}	, 2001 tor			
Inlet Size	Outlet Size	Flow Area	Orifice [designator] d	lia. Lift	Set Pressure Range	e Media	Designator
1 NPS	1.5, 2.0 NPS	0.617 in ²	0.886 in	0.22 ir	n 15-493 psi	Water	UV
Design Name	e: 901/902/91	11/912 (Liqi	uids)		NBCert # 080)19	
Manufacturer/A	ssembler		Desi	ignators		Expiration Date	
Manufacturer			UV			03/29/2024	
Design Type							
[Relief Valve] 90 Capacity Tests: S Method of Estab Certified Value: 0 Media - Test: Wa Set Pressure De Blowdown Chara Designed by: AR	11/902/911/912 (Liqui Sec. UV at National E lishing Relieving Cap).545 Unitless ater/Liquid; Certified: finition: Opening Pre- acteristics: Fixed I-Armaturen Albert R	ids) 3oard Testing L pacity: Flow Ca Liquid ssure tichter GmbH &	ab on October 1 pacity, K : Co. KG {ARI}	5, 2001			
Inlet Size	Outlet Size	Flow Area	Orifice [designator] d	lia. Lift	Set Pressure Range	e Media	Designator
1.25 NPS	2 NPS	1.024 in²	1.142 in	0.29 ir	n 15-493 psi	Water	UV
1.5 NPS	2, 2.5 NPS	1.024 in ²	1.142 in	0.29 ir	n 15-493 psi	Water	UV
1.5 NPS	2.5, 3 NPS	1.578 in ²	1.417 in	0.37 ir	n 15-493 psi	Water	UV
2 NPS	3 NPS	2.465 in ²	1.772 in	0.45 ir	n 15-493 psi	Water	UV
2.5-3 NPS	4 NPS	4.166 in ²	2.303 in	0.61 ir	n 15-406 psi	Water	UV
4 NPS	6 NPS	9.861 in ²	3.543 in	0.98 ir	n 15-276 psi	Water	UV
5-6 NPS	8 NPS	13.678 in²	4.173 in	1.34 ir	n 15-392 psi	Water	UV
6 NPS	10 NPS	19.022 in ²	4.921 in	1.46 ir	n 15-305 psi	Water	UV
Design Name	e: 901/902/91	11/912 {15-	30}		NBCert # 080)31	
Manufacturer/A	ssembler		Desi	ignators		Expiration Date	
Manufacturer			UV			11/21/2023	

[Safety Relief Valve] 901/902/911/912 {15-30} Capacity Tests: Sec. UV at National Board Testing Lab on May 9, 2007 Method of Establishing Relieving Capacity: Flow Capacity, K Certified Value: 0.769 Unitless Media - Test: Air/Gas, Steam; Certified: Air, Gas, Steam Set Pressure Definition: Initial Audible Discharge Blowdown Characteristics: Fixed

Designed by: ARI-Armaturen Albert Richter GmbH & Co. KG {ARI}

Inlet Size	Outlet Size	Flow Area	Orifice [designator] dia.	Lift	Set Pressure Range	Media	Designator
1 NPS	1.5, 2.0 NPS	0.394 in ²	0.709 in	0.205 in	15-30 psi	Air	UV
1 NPS	1.5, 2.0 NPS	0.394 in ²	0.709 in	0.205 in	15-30 psi	Steam	UV
1.25 NPS	2.0 NPS	1.024 in ²	1.142 in	0.29 in	15-30 psi	Air	UV
1.25 NPS	2.0 NPS	1.024 in ²	1.142 in	0.29 in	15-30 psi	Steam	UV
1.5 NPS	2, 2.5 NPS	1.024 in ²	1.142 in	0.29 in	15-30 psi	Air	UV
1.5 NPS	2, 2.5 NPS	1.024 in ²	1.142 in	0.29 in	15-30 psi	Steam	UV
1.5 NPS	2.5, 3.0 NPS	1.578 in ²	1.417 in	0.37 in	15-30 psi	Air	UV
1.5 NPS	2.5, 3.0 NPS	1.578 in ²	1.417 in	0.37 in	15-30 psi	Steam	UV
2 NPS	3 NPS	2.465 in ²	1.772 in	0.45 in	15-30 psi	Air	UV
2 NPS	3 NPS	2.465 in ²	1.772 in	0.45 in	15-30 psi	Steam	UV
2.5-3 NPS	4 NPS	4.166 in ²	2.303 in	0.61 in	15-30 psi	Air	UV
2.5-3 NPS	4 NPS	4.166 in ²	2.303 in	0.61 in	15-30 psi	Steam	UV
4 NPS	6 NPS	9.861 in ²	3.543 in	0.98 in	15-30 psi	Air	UV
4 NPS	6 NPS	9.861 in ²	3.543 in	0.98 in	15-30 psi	Steam	UV
5-6 NPS	8 NPS	13.678 in ²	4.173 in	1.34 in	15-30 psi	Air	UV
5-6 NPS	8 NPS	13.678 in ²	4.173 in	1.34 in	15-30 psi	Steam	UV
6 NPS	10 NPS	19.022 in ²	4.921 in	1.46 in	15-30 psi	Air	UV
6 NPS	10 NPS	19.022 in ²	4.921 in	1.46 in	15-30 psi	Steam	UV

Design Name:

Designators Manufacturer/Assembler **Expiration Date** UV 01/19/2027

Design Type

Manufacturer

[Safety Relief Valve] Reyco R, RB & RO (Fig. 971, 973, 974) Capacity Tests: Sec. UV at National Board Testing Labon March 19, 1997 Method of Establishing Relieving Capacity: Flow Capacity, K Certified Value: 0.860 Unitless Media - Test: Air/Gas, Steam; Certified: Air, Gas, Steam Set Pressure Definition: Pop Blowdown Characteristics: Adjustable (Single Ring) Designed by: ARI - Armaturen USA, LP {TAR}

Inlet Size	Outlet Size	Flow Area	Orifice [designator] dia.	Lift	Set Pressure Range	Media	Designator
1-1.5 NPS	2 - 3 NPS	0.122 in ²	[D] 0.394 in	0.12 in	15-2900 psi	Steam	UV
1-1.5 NPS	2 - 3 NPS	0.122 in ²	[D] 0.394 in	0.12 in	15-6250 psi	Air	UV
1-1.5 NPS	2 - 3 NPS	0.217 in ²	[E] 0.526 in	0.16 in	15-2900 psi	Steam	UV
1-1.5 NPS	2 - 3 NPS	0.217 in ²	[E] 0.526 in	0.16 in	15-6250 psi	Air	UV

Design Type								
[Relief Valve] RL40, RL040, RL41, RLO41 (0.547 in. orifice) (Liquid), Design Rev. A Capacity Tests: Sec. UV at National Board Testing Lab on March 4, 2014 Method of Establishing Relieving Capacity: Flow Capacity, Flow Factor Certified Value: 5.635 GPM/SQ.RT. PSID Media - Test: Water/Liquid; Certified: Liquid Set Pressure Definition: Pirst Steady Stream Blowdown Characteristics: Fixed Designed by: ARI - Armaturen USA, LP {TAR}								
Inlet Size	Outlet Size	Flow Area	Orifice [designator] dia.	Lift	Set Pressure Range	Media	Designator	
1-1.5 NPS	1.5, 2 NPS	0.235 in ²	0.547 in	0.137 in	15-3000 psi	Water	UV	
Design Name	e: RL40, RL0 orifice), De	040, RL41, esign Rev. <i>F</i>	RLO41 (0.547 in	· NBCert	# 73224	4		
Manufacturer/A	ssembler		Designate	ors	E	Expiration Date)	
Manufacturer			UV	\mathbf{i}	C	9/29/2026		
Design Type								
[Safety Relief Va Capacity Tests: S Method of Estab Certified Value: 3 Media - Test: Air Set Pressure De Blowdown Chara Designed by: AR	Ive] RL40, RLO40, I Sec. UV at National E lishing Relieving Cap 3.760 SCFM/PSIA; (a /Gas, Steam; Certific finition: Pop acteristics: Fixed II - Armaturen USA, I	RL41, RLO41 (Board Testing L bacity: Flow Ca alternate mediu ed: Air, Gas, St LP {TAR}	0.547 in. orifice), Desig ab on March 4, 2014 pacity, Slope Im): 10.560 PPH/PSIA eam	gn Rev. A				
Inlet Size	Outlet Size	Flow Area	Orifice [designator] dia.	Lift	Set Pressure Range	Media	Designator	
1-1.5 NPS	1.5, 2 NPS	0.235 in ²	0.547 in	0.137 in	15-2900 psi	Steam	UV	
1-1.5 NPS	1.5, 2 NPS	0.235 in ²	0.547 in	0.137 in	15-3000 psi	Air	UV	

ARI-Armaturen Albert Richter GmbH & Co. KG (ARI)

Nameplate Abbreviation: ARI

Schloss Holte-Stukenbrock, 33758Germany

This Company Manufactures or Assembles:

Design Name	e: 901/902/9 ⁻	11/912		NBCert	# 0800		
Manufacturer/A	ssembler		Designate	ors		Expiration Date	e
Manufacturer			UV			12/12/2023	
Design Type							
[Safety Relief Va Capacity Tests: S Method of Establ Certified Value: C Media - Test: Air Set Pressure De Blowdown Chara Designed by: AR	Ive] 901/902/911/91 Sec. UV at National E lishing Relieving Cap).817 Unitless /Gas; Certified: Air, (finition: Initial Audible acteristics: Fixed I-Armaturen Albert F	2 Board Testing La bacity: Flow Cap Gas, Steam e Discharge Richter GmbH &	ab on November 9, 20 bacity, K . Co. KG {ARI}	001			
Inlet Size	Outlet Size	Flow Area	Orifice [designator] dia.	Lift	Set Pressure Range	Media	Designator
1 NPS	1.5, 2.0 NPS	0.617 in ²	0.886 in	0.22 in	30-493 psi	Air	UV

1 NPS	1.5, 2.0 NPS	0.617 in ²	0.886 in	0.22 in	30-493 psi	Steam	UV
1.25 NPS	2.0 NPS	1.024 in ²	1.142 in	0.29 in	30-493 psi	Air	UV
1.25 NPS	2.0 NPS	1.024 in ²	1.142 in	0.29 in	30-493 psi	Steam	UV
1.5 NPS	2, 2.5 NPS	1.024 in ²	1.142 in	0.29 in	30-493 psi	Air	UV
1.5 NPS	2, 2.5 NPS	1.024 in ²	1.142 in	0.29 in	30-493 psi	Steam	UV
1.5 NPS	2.5, 3.0 NPS	1.578 in ²	1.417 in	0.37 in	30-493 psi	Air	UV
1.5 NPS	2.5, 3.0 NPS	1.578 in ²	1.417 in	0.37 in	30-493 psi	Steam	UV
2 NPS	3 NPS	2.465 in ²	1.772 in	0.45 in	30-493 psi	Air	UV
2 NPS	3 NPS	2.465 in ²	1.772 in	0.45 in	30-493 psi	Steam	UV
2.5-3 NPS	4 NPS	4.166 in ²	2.303 in	0.61 in	30-406 psi	Air	UV
2.5-3 NPS	4 NPS	4.166 in ²	2.303 in	0.61 in	30-406 psi	Steam	UV
4 NPS	6 NPS	9.861 in ²	3.543 in	0.98 in	30-276 psi	Air	UV
4 NPS	6 NPS	9.861 in ²	3.543 in	0.98 in	30-276 psi	Steam	UV
5-6 NPS	8 NPS	13.678 in²	4.173 in	1.34 in	30-392 psi	Air	UV
5-6 NPS	8 NPS	13.678 in²	4.173 in	1.34 in	30-392 psi	Steam	UV
6 NPS	10 NPS	19.022 in ²	4.921 in	1.46 in	30-305 psi	Air	UV
6 NPS	10 NPS	19.022 in ²	4.921 in	1.46 in	30-305 psi	Steam	UV
Design Name	e: 901/902/9 [.]	11/912 (1"	iquid)	NBCert #	# 08020		
Manufacturer/A	ssembler		Designato	ors	Ex	piration Date	
Manufacturer			UV	_	11	/12/2028	
Manufacturer Design Type [Relief Valve] 90 Capacity Tests: S Method of Estab Certified Value:1 Media - Test: W Set Pressure De Blowdown Chara Designed by: AR	01/902/911/912 (1" lic Sec. UV at National E lishing Relieving Cap 4.410 GPM/SQ.RT. I ater/Liquid; Certified: finition: Opening Pre acteristics: Fixed R-Armaturen Albert F	luid) Board Testing L Dacity: Flow Ca SID Liquid ssure Richter GmbH &	UV ab on August 24, 2001 bacity, Flow Factor Co. KG {ARI}		11	/12/2028	
Manufacturer Design Type [Relief Valve] 90 Capacity Tests: S Method of Estab Certified Value:1 Media - Test: W Set Pressure De Blowdown Chara Designed by: AR	01/902/911/912 (1" lic Sec. UV at National E lishing Relieving Cap 4.410 GPM/SQ.RT. F ater/Liquid; Certified: finition: Opening Pre acteristics: Fixed RI-Armaturen Albert F Outlet Size	uid) Board Testing L Dacity: Flow Ca PSID Liquid ssure tichter GmbH &	UV ab on August 24, 2001 pacity, Flow Factor Co. KG {ARI} Orifice [designator] dia.	Lift	11 Set Pressure Range	/12/2028 Media	Designator
Manufacturer Design Type [Relief Valve] 90 Capacity Tests: S Method of Estab Certified Value:1 Media - Test: Wa Set Pressure De Blowdown Chara Designed by: AR Inlet Size 1 NPS	01/902/911/912 (1" lic Sec. UV at National E lishing Relieving Cap 4.410 GPM/SQ.RT. f ater/Liquid; Certified: finition: Opening Pre acteristics: Fixed RI-Armaturen Albert F Outlet Size 1.5, 2.0 NPS	uid) Board Testing L Boacity: Flow Ca PSID Liquid ssure tichter GmbH & Flow Area 0.617 in ²	UV ab on August 24, 2001 bacity, Flow Factor . Co. KG {ARI} Orifice [designator] dia. 0.886 in	Lift 0.22 in	11 Set Pressure Range 15-493 psi	/12/2028 Media Water	Designator
Manufacturer Design Type [Relief Valve] 90 Capacity Tests: S Method of Estab Certified Value:1 Media - Test: W Set Pressure De Blowdown Chara Designed by: AR Inlet Size 1 NPS Design Name	01/902/911/912 (1" lic Sec. UV at National E lishing Relieving Cap 4.410 GPM/SQ.RT. F ater/Liquid; Certified: finition: Opening Pre acteristics: Fixed RI-Armaturen Albert F Outlet Size 1.5, 2.0 NPS : 901/902/9	uid) Board Testing L Dacity: Flow Ca PSID Liquid ssure tichter GmbH & Flow Area 0.617 in ²	UV ab on August 24, 2001 bacity, Flow Factor . Co. KG {ARI} Orifice [designator] dia. 0.886 in	Lift 0.22 in NBCert #	11 Set Pressure Range 15-493 psi # 08019	/12/2028 Media Water	Designator UV
Manufacturer Design Type [Relief Valve] 90 Capacity Tests: S Method of Estab Certified Value:1 Media - Test: W Set Pressure De Blowdown Chara Designed by: AR Inlet Size 1 NPS Design Name Manufacturer/A	01/902/911/912 (1" lic Sec. UV at National E lishing Relieving Cap 4.410 GPM/SQ.RT. F ater/Liquid; Certified: finition: Opening Pre acteristics: Fixed RI-Armaturen Albert F Outlet Size 1.5, 2.0 NPS e: 901/902/9 sssembler	guid) Board Testing L Dacity: Flow Ca PSID Liquid ssure Richter GmbH & Flow Area 0.617 in ²	UV ab on August 24, 2001 pacity, Flow Factor Co. KG {ARI} Orifice [designator] dia. 0.886 in UidS) Designato	Lift 0.22 in NBCert 7	11 Set Pressure Range 15-493 psi # 08019 Ex	/12/2028 Media Water piration Date	Designator UV
Manufacturer Design Type [Relief Valve] 90 Capacity Tests: 3 Method of Estab Certified Value:1 Media - Test: W Set Pressure De Blowdown Chara Designed by: AF Inlet Size 1 NPS Design Name Manufacturer/A Manufacturer	01/902/911/912 (1" lic Sec. UV at National E lishing Relieving Car 4.410 GPM/SQ.RT. f ater/Liquid; Certified: finition: Opening Pre acteristics: Fixed RI-Armaturen Albert F Outlet Size 1.5, 2.0 NPS 5: 901/902/9 ⁻¹ sssembler	guid) Board Testing L Board Testing L PSID Liquid ssure tichter GmbH & Flow Area 0.617 in ²	UV ab on August 24, 2001 pacity, Flow Factor Co. KG {ARI} Orifice [designator] dia. 0.886 in Juids) Designato	Lift 0.22 in NBCert #	11 Set Pressure Range 15-493 psi 4 08019 Ex 12	/12/2028 Media Water piration Date	Designator UV
Manufacturer Design Type [Relief Valve] 90 Capacity Tests: S Method of Estab Certified Value:1 Media - Test: W Set Pressure De Blowdown Chara Designed by: AF Inlet Size 1 NPS Design Name Manufacturer/A Manufacturer Design Type	01/902/911/912 (1" lic Sec. UV at National E lishing Relieving Cap 4.410 GPM/SQ.RT. I ater/Liquid; Certified: finition: Opening Pre acteristics: Fixed RI-Armaturen Albert F Outlet Size 1.5, 2.0 NPS e: 901/902/9 ssembler	guid) Board Testing L boacity: Flow Cap PSID Liquid ssure tichter GmbH & Flow Area 0.617 in ²	UV ab on August 24, 2001 bacity, Flow Factor Co. KG {ARI} Orifice [designator] dia. 0.886 in UIDS) Designato UV	Lift 0.22 in NBCert 7	11 Set Pressure Range 15-493 psi # 08019 Ex 12	/12/2028 Media Water piration Date /12/2023	Designator UV

Inlet Size	Outlet Size	Flow Area	Orifice [designator] dia.	Lift	Set Pressure Range	Media	Designator
1.25 NPS	2 NPS	1.024 in ²	1.142 in	0.29 in	15-493 psi	Water	UV
1.5 NPS	2, 2.5 NPS	1.024 in ²	1.142 in	0.29 in	15-493 psi	Water	UV
1.5 NPS	2.5, 3 NPS	1.578 in ²	1.417 in	0.37 in	15-493 psi	Water	UV
2 NPS	3 NPS	2.465 in ²	1.772 in	0.45 in	15-493 psi	Water	UV
2.5-3 NPS	4 NPS	4.166 in ²	2.303 in	0.61 in	15-406 psi	Water	UV
4 NPS	6 NPS	9.861 in ²	3.543 in	0.98 in	15-276 psi	Water	UV
5-6 NPS	8 NPS	13.678 in ²	4.173 in	1.34 in	15-392 psi	Water	UV
6 NPS	10 NPS	19.022 in ²	4.921 in	1.46 in	15-305 psi	Water	UV

Design Name: 901/902/911/912 {15-30

NBCert #

ert # 0803⁻

Manufacturer/Assembler	Designators	Expiration Date
Manufacturer	UV	11/29/2023

Design Type

[Safety Relief Valve] 901/902/911/912 {15-30} Capacity Tests: Sec. UV at National Board Testing Lab on May 9, 2007 Method of Establishing Relieving Capacity: Flow Capacity, K Certified Value: 0.769 Unitless

Media - Test: Air/Gas, Steam; Certified: Air, Gas, Steam

Set Pressure Definition: Initial Audible Discharge

Blowdown Characteristics: Fixed

Designed by: ARI-Armaturen Albert Richter GmbH & Co. KG {ARI}

Inlet Size	Outlet Size	Flow Area	Orifice [designator] dia.	Lift	Set Pressure Range	Media	Designator
1 NPS	1.5, 2.0 NPS	0.394 in²	0.709 in	0.205 in	15-30 psi	Air	UV
1 NPS	1.5, 2.0 NPS	0.394 in ²	0.709 in	0.205 in	15-30 psi	Steam	UV
1.25 NPS	2.0 NPS	1.024 in ²	1.142 in	0.29 in	15-30 psi	Air	UV
1.25 NPS	2.0 NPS	1.024 in ²	1.142 in	0.29 in	15-30 psi	Steam	UV
1.5 NPS	2, 2.5 NPS	1.024 in ²	1.142 in	0.29 in	15-30 psi	Air	UV
1.5 NPS	2, 2.5 NPS	1.024 in ²	1.142 in	0.29 in	15-30 psi	Steam	UV
1.5 NPS	2.5, 3.0 NPS	1.578 in ²	1.417 in	0.37 in	15-30 psi	Air	UV
1.5 NPS	2.5, 3.0 NPS	1.578 in ²	1.417 in	0.37 in	15-30 psi	Steam	UV
2 NPS	3 NPS	2.465 in ²	1.772 in	0.45 in	15-30 psi	Air	UV
2 NPS	3 NPS	2.465 in ²	1.772 in	0.45 in	15-30 psi	Steam	UV
2.5-3 NPS	4 NPS	4.166 in ²	2.303 in	0.61 in	15-30 psi	Air	UV
2.5-3 NPS	4 NPS	4.166 in ²	2.303 in	0.61 in	15-30 psi	Steam	UV
4 NPS	6 NPS	9.861 in ²	3.543 in	0.98 in	15-30 psi	Air	UV
4 NPS	6 NPS	9.861 in ²	3.543 in	0.98 in	15-30 psi	Steam	UV
5-6 NPS	8 NPS	13.678 in ²	4.173 in	1.34 in	15-30 psi	Air	UV
5-6 NPS	8 NPS	13.678 in ²	4.173 in	1.34 in	15-30 psi	Steam	UV
6 NPS	10 NPS	19.022 in ²	4.921 in	1.46 in	15-30 psi	Air	UV
6 NPS	10 NPS	19.022 in ²	4.921 in	1.46 in	15-30 psi	Steam	UV