

December 17, 2024

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

The design submission, Tracking Number 2024-05373, Web Portal Number 2024-S3873, originally received on September 10, 2024 was surveyed and accepted for registration as follows:

CRN : 0C25363.52 **Accepted on:** December 17, 2024
Reg Type: NEW DESIGN **Expiry Date:** July 18, 2034
Drawing No. : R-1810 Scope of Registration May 30, 2024, page 1-2
Fitting type: Triple Offset Butterfly Valves
Design registered in the name of : ARI-ARMATUREN USA LP

Description	MAWP	Design Temperature
See scope of CRN registration		

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

- This registration covers only those valves that are in strict compliance with ASME B16.34, with respect to dimensions, pressure and temperature ratings, materials, markings etc.
- See attached list of worldwide locations Rev May 13, 2024, the scope of each location is as per the ISO certificate issued by TUV.
- This registration includes Design Report, R-1810 Revision 0.
- Per the provided design report R-1810, it is our understanding that the code of construction is ASME B16.34 edition 2020.

As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction is B16.34.

- 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 (587) 943-8741 or fax (403) 291-4545 or e-mail Zhangl@absa.ca.

December 17, 2024

Sincerely,



ZHANG, LILI, P. Eng.
DOP Cert. No. D00010626

STATUTORY DECLARATION
Registration of Fittings
Single or Multiple Fitting Designs within one Fitting Category

I, KEEFE FRENTZ, QUALITY MANAGER
(name of applicant) (position title) (must be in a position of authority)
of ARI-ARMATUREN
(name of manufacturer)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



located at SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX
(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (select only one)

- comply with the requirements of ASME B16.34 edition 2020 - LZ which specifies the dimensions, (title of recognized North American Standard) materials of construction, pressure/temperature ratings and identification marking of the fittings, or
- are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the (title of code of construction or other applicable document) attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

Quality Program Verification and Manufacturing Sites

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	ARI-ZETRIX Triple Offset Butterfly Valves	ISO 9001: 2015	See attached Scope of CRN	2026-01-14 and 2024-11-17	TUV	See Attached Worldwide Locations Appendix
2.						

In support of this application, the following information, calculations and/or test data are attached:

SCOPE OF CRN, CATALOG, REPORTS

[Signature] (Signature of the Declarer)

6/24/24 (Date)

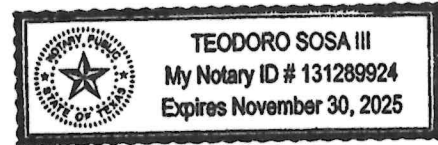
DECLARED before me at Webster in the state of Texas

this 24th day of June, 2024

(print) Teodoro Sosa III (a Commissioner of Oaths or Notary Public)

(sign) [Signature] (a Commissioner of Oaths or Notary Public)

11/30/2025 (expiry date (mm/dd/yy))



Commissioner of Oaths / Notary Public in and for: Texas

For ABSA Office Use Only:

NOTES:

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category C

CRN:

Registered Date:

Expiry Date: 2034-07-18

Signature: (Signature of the Administrator/SCO)

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline



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.



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 100°F (Note 1, 2, 3)	Design Report
ARI-ZETRIX® Triple Offset Butterfly Valves	ASME B16.34	Carbon Steel SA216-WCB	32.016	NPS 3" thru NPS 48"	Double Flanged	ANSI 150	1.1	285 psig at 100°F	R-1810 R.0
			35.016	NPS 3" thru NPS 48"	Double Flanged	ANSI 300	1.1	740 psig at 100°F	
		Stainless Steel SA351-CF8M	52.016	NPS 3" thru NPS 48"	Double Flanged	ANSI 150	2.2	275 psig at 100°F	
			55.016	NPS 3" thru NPS 48"	Double Flanged	ANSI 300	2.2	720 psig at 100°F	
		Alloy Steel SA217-WC6	82.016	NPS 3" thru NPS 48"	Double Flanged	ANSI 150	1.9	290 psig at 100°F	
			85.016	NPS 3" thru NPS 48"	Double Flanged	ANSI 300	1.9	750 psig at 100°F	
		Carbon Steel SA216-WCB	32.018	NPS 3" thru NPS 24"	Threaded Flange	ANSI 150	1.1	285 psig at 100°F	
			35.018	NPS 3" thru NPS 24"	Threaded Flange	ANSI 300	1.1	740 psig at 100°F	
		Stainless Steel SA351-CF8M	52.018	NPS 3" thru NPS 24"	Threaded Flange	ANSI 150	2.2	275 psig at 100°F	
			55.018	NPS 3" thru NPS 24"	Threaded Flange	ANSI 300	2.2	720 psig at 100°F	
		Alloy Steel SA217-WC6	82.018	NPS 3" thru NPS 24"	Threaded Flange	ANSI 150	1.9	290 psig at 100°F	
			85.018	NPS 3" thru NPS 24"	Threaded Flange	ANSI 300	1.9	750 psig at 100°F	
		Carbon Steel SA216-WCB	32.019	NPS 3" thru NPS 32"	Butt Weld	ANSI 150	1.1	285 psig at 100°F	
			35.019	NPS 3" thru NPS 32"	Butt Weld	ANSI 300	1.1	740 psig at 100°F	
		Stainless Steel SA351-CF3M	52.019	NPS 3" thru NPS 24"	Butt Weld	ANSI 150	2.2	275 psig at 100°F	
			55.019	NPS 3" thru NPS 24"	Butt Weld	ANSI 300	2.2	720 psig at 100°F	
		Carbon Steel SA216-WCB	37.018	NPS 3" thru NPS 24"	Threaded Flange	ANSI 600	1.1	1480 psig at 100°F	



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 100°F (Note 1, 2, 3)	Design Report
ARI-ZETRIX® Triple Offset Butterfly Valves	ASME B16.34	Stainless Steel SA351-CF8M	57.018	NPS 3" thru NPS 24"	Threaded Flange	ANSI 600	2.2	1440 psig at 100°F	R-1810 R.0
		Carbon Steel SA216-WCB	37.019	NPS 3" thru NPS 24"	Butt Weld	ANSI 600	1.1	1480 psig at 100°F	

Note 1: MAWP = Maximum Allowable Working Pressure.

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: 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 6: Pressure-Temperature Ratings of butt-weld end valves may be limited by the butt-weld 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 7: See attached Worldwide Locations Appendix.



WORLDWIDE LOCATIONS APPENDIX – PAGE 1 OF 1

**ARI-ARMATUREN LOCATIONS
& CERTIFYING AUTHORITIES**

(rev. May 13, 2024)

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 Albert Richter GmbH & Co. KG

c/o ARI-Armaturen A/S
Strevelinsvej 16
7000 Fredericia
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

ISO 9001 Certified by TUV

2024-05373



WORLDWIDE LOCATIONS APPENDIX – PAGE 1 OF 1

**ARI-ARMATUREN LOCATIONS
& CERTIFYING AUTHORITIES**

(rev. May 13, 2024)

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 Albert Richter GmbH & Co. KG

c/o ARI-Armaturen A/S
Strevelinsvej 16
7000 Fredericia
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

ISO 9001 Certified by TUV