

February 12, 2024

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

The design submission, Tracking Number 2023-06988, Web Portal Number 2023-S4653, originally received on November 15, 2023 was surveyed and accepted for registration as follows:

CRN : 0C24868.52 **Accepted on:** February 12, 2024
Reg Type: NEW DESIGN **Expiry Date:** October 20, 2033
Drawing No. : SCOPE OF CRN REGISTRATION SHT.1-4 OF 03-MAY-23
Fitting type: APOLLO SMART-PRESS BALL VALVES

Design registered in the name of : AALBERTS INTEGRATED PIPING SYSTEMS AMERICAS INC

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

As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction are ASME B31.1, ASME B31.3 and ASME B31.9.

- 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 3310 or fax (780) 437-7787 or e-mail Onshchenko@absa.ca.

Sincerely,



ONSHCHENKO, TETYANA, P. Eng.
DOP Cert. No. D00010125

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

I, Julie Howell, Director of New Product Engineering
(name of applicant) (position title) (must be in a position of authority)
of Aalberts Integrated Piping Systems Americas, Inc.
(name of manufacturer)
located at 10715 Sikes Place, Suite 200, Charlotte, NC, 28277
(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 B31.3, B31.1, B31.9 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.	Press Connect Valves	ISO 9001:2015	See Scope of CRN	Various - See ISO Certificates	See Worldwide Locations Appendix	See Worldwide Locations Appendix
2.						

2023-06988

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

SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS

Julia Howell (Signature of the Declarer)

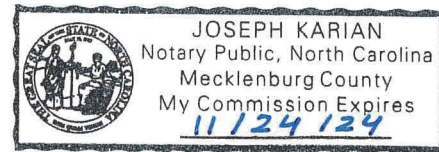
June 5, 2023 (Date)

DECLARED before me at Charlotte in the 5th county of Mecklenburg this 5th day of June, 2023

(print) Joseph Karian (a Commissioner of Oaths or Notary Public)

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

06/05/2023 (expiry date (mm/dd/yy))



Commissioner of Oaths / Notary Public in and for: North Carolina (province, territory, or state)

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

CRN:

Registered Date:

October 20, 2033

Expiry Date:

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

AALBERTS INTEGRATED PIPING SYSTEMS AMERICAS, INC.

10715 SIKES PLACE, SUITE 200
 CHARLOTTE, NC, 28277
 28277



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SCOPE OF CRN REGISTRATION

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.

Product Description	Design Code	FullFlow Models	Material Specification	Product Size	MAWP at 100°F	MAWP at 392°F (Note 4,5)	MDMT	Report Number
					When installed on ASTM A312 Sch. 5S Pipe Minimum Thickness			
Apollo Smart-Press Valves	ASME B31.3, ASME B31.1, ASME B31.9 (Note 3)	SM500H, SM500E, SM500F (Note 6)	Stainless steel pipe in accordance with EN10217-7 meeting the requirements of ASTM A312-316L	1/2"	300 psig at 100°F	300 psig at 392°F	-31°F	R-1547A Rev. 0
				3/4"	300 psig at 100°F	300 psig at 392°F		
				1"	300 psig at 100°F	300 psig at 392°F		
				1-1/2"	300 psig at 100°F	300 psig at 392°F		
				2"	300 psig at 100°F	300 psig at 392°F		

Product Description	Design Code	3-Piece Models	Material Specification	Product Size	MAWP at 100°F	MAWP at 392°F (Note 4,5)	MDMT	Report Number
					When installed on ASTM A312 Sch. 5S Pipe Minimum Thickness			
Apollo Smart-Press Valves	ASME B31.3, ASME B31.1, ASME B31.9 (Note 3)	86VH, 86VHFP, 86VE, 86VESE, 86VEFP, 86VESEFP, 86VF, 86VFFP (Note 6)	Stainless Steel ASTM A351-CF8M, ASTM A351-CF3M	1/2"	300 psig at 100°F	300 psig at 392°F	-31°F	R-1547A Rev. 0
				3/4"	300 psig at 100°F	300 psig at 392°F		
				1"	300 psig at 100°F	300 psig at 392°F		
				1-1/2"	300 psig at 100°F	300 psig at 392°F		
				2"	210 psig at 100°F	210 psig at 392°F		

Product Description	Design Code	3-Piece Models	Material Specification	Product Size	MAWP at 100°F	MAWP at 392°F (Note 4,5)	MDMT	Report Number
					When installed on ASTM A312 Sch. 10S Pipe Minimum Thickness			
Apollo Smart-Press Valves	ASME B31.3, ASME B31.1, ASME B31.9 (Note 3)	86VH, 86VHFP, 86VE, 86VESE, 86VEFP, 86VESEFP, 86VF, 86VFFP (Note 6)	Stainless Steel ASTM A351-CF8M, ASTM A351-CF3M	1/2"	500 psig at 100°F	500 psig at 392°F	-31°F	R-1547A Rev. 0
				3/4"	500 psig at 100°F	500 psig at 392°F		
				1"	500 psig at 100°F	500 psig at 392°F		
				1-1/2"	300 psig at 100°F	300 psig at 392°F		
				2"	250 psig at 100°F	250 psig at 392°F		

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal Temperature.

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SCOPE OF CRN REGISTRATION CONTINUED

Note 2: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

Note 3: In accordance with Ontario Regulation 220/01 the amendment to CSA B51 - Part 1 Clause 2 does not include ASME B31.9, therefore ASME B31.9 shall not be used as a design code in the Province of Ontario.

Note 4: The CRN Pressure-Temperature ratings are the maximum ratings to be used with the CRN. In all cases the maximum allowable working pressure and temperature may be limited by seal and seat materials or other considerations. Consult product literature.

Note 5: The valves are suitable up to a maximum temperature of 446°F for short term operation depending on the seal and seat materials. Consult product literature.

Note 6: The following **FullFlow ball valves** items numbers are covered under this CRN.

Valve Model	Item Number	Product description
SM500E	123457171	Apollo SmartPress FullFlow ball valve HNBR FF 1/2"
	123457172	Apollo SmartPress FullFlow ball valve HNBR FF 3/4"
	123457173	Apollo SmartPress FullFlow ball valve HNBR FF 1"
	123457174	Apollo SmartPress FullFlow ball valve HNBR FF 1 1/2"
	123457175	Apollo SmartPress FullFlow ball valve HNBR FF 2"
SM500H	123457176	Apollo SmartPress FullFlow ball valve EPDM FF 1/2"
	123457177	Apollo SmartPress FullFlow ball valve EPDM FF 3/4"
	123457178	Apollo SmartPress FullFlow ball valve EPDM FF 1"
	123457179	Apollo SmartPress FullFlow ball valve EPDM FF 1 1/2"
	123457180	Apollo SmartPress FullFlow ball valve EPDM FF 2"
SM500F	123457181	Apollo SmartPress FullFlow ball valve FPM FF 1/2"
	123457182	Apollo SmartPress FullFlow ball valve FPM FF 3/4"
	123457183	Apollo SmartPress FullFlow ball valve FPM FF 1"
	123457184	Apollo SmartPress FullFlow ball valve FPM FF 1 1/2"
	123457185	Apollo SmartPress FullFlow ball valve FPM FF 2"

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SCOPE OF CRN REGISTRATION CONTINUED

The following **3-Piece ball valves** items numbers are covered under this CRN.

Valve Model	Item Number	Product description
86VE	123457451	Apollo SmartPress AISI316 3 Piece Ball Valve EPDM FF 1/2"
	123457452	Apollo SmartPress AISI316 3 Piece Ball Valve EPDM FF 3/4"
	123457453	Apollo SmartPress AISI316 3 Piece Ball Valve EPDM FF 1"
	123457454	Apollo SmartPress AISI316 3 Piece Ball Valve EPDM FF 1 1/2"
	123457455	Apollo SmartPress AISI316 3 Piece Ball Valve EPDM FF 2"
86VESE	123457456	Apollo SmartPress AISI316 3 Piece Ball Valve with extended stem EPDM FF 1/2"
	123457457	Apollo SmartPress AISI316 3 Piece Ball Valve with extended stem EPDM FF 3/4"
	123457458	Apollo SmartPress AISI316 3 Piece Ball Valve with extended stem EPDM FF 1"
	123457459	Apollo SmartPress AISI316 3 Piece Ball Valve with extended stem EPDM FF 1 1/2"
	123457460	Apollo SmartPress AISI316 3 Piece Ball Valve with extended stem EPDM FF 2"
86VH	123457461	Apollo SmartPress AISI316 3 Piece Ball Valve HNBR FF 1/2"
	123457462	Apollo SmartPress AISI316 3 Piece Ball Valve HNBR FF 3/4"
	123457463	Apollo SmartPress AISI316 3 Piece Ball Valve HNBR FF 1"
	123457464	Apollo SmartPress AISI316 3 Piece Ball Valve HNBR FF 1 1/2"
	123457465	Apollo SmartPress AISI316 3 Piece Ball Valve HNBR FF 2"
86VF	123457466	Apollo SmartPress AISI316 3 Piece Ball Valve FKM FF 1/2"
	123457467	Apollo SmartPress AISI316 3 Piece Ball Valve FKM FF 3/4"
	123457468	Apollo SmartPress AISI316 3 Piece Ball Valve FKM FF 1"
	123457469	Apollo SmartPress AISI316 3 Piece Ball Valve FKM FF 1 1/2"
	123457470	Apollo SmartPress AISI316 3 Piece Ball Valve FKM FF 2"
86VEFP	123457471	Apollo SmartPress AISI316 3 Piece Ball Valve EPDM 1/2"xFPT1/2"
	123457472	Apollo SmartPress AISI316 3 Piece Ball Valve EPDM 3/4"xFPT3/4"
	123457473	Apollo SmartPress AISI316 3 Piece Ball Valve EPDM 1"xFPT1"
	123457474	Apollo SmartPress AISI316 3 Piece Ball Valve EPDM 1 1/2"xFPT1 1/2"
	123457475	Apollo SmartPress AISI316 3 Piece Ball Valve EPDM 2"xFPT2"
86VESEFP	123457476	Apollo SmartPress AISI316 3 Piece Ball Valve EPDM with extended stem 1/2"xFPT1/2"
	123457477	Apollo SmartPress AISI316 3 Piece Ball Valve EPDM with extended stem 3/4"xFPT3/4"
	123457478	Apollo SmartPress AISI316 3 Piece Ball Valve EPDM with extended stem 1"xFPT1"
	123457479	Apollo SmartPress AISI316 3 Piece Ball Valve EPDM with extended stem 1 1/2"xFPT1 1/2"
	123457480	Apollo SmartPress AISI316 3 Piece Ball Valve EPDM with extended stem 2"xFPT2"



SCOPE OF CRN REGISTRATION CONTINUED

The following **3-Piece ball valves** items numbers are covered under this CRN.

86VHFP	123457481	Apollo SmartPress AISI316 3 Piece Ball Valve HNBR 1/2"xFPT1/2"
	123457482	Apollo SmartPress AISI316 3 Piece Ball Valve HNBR 3/4"xFPT3/4"
	123457483	Apollo SmartPress AISI316 3 Piece Ball Valve HNBR 1"xFPT1"
	123457484	Apollo SmartPress AISI316 3 Piece Ball Valve HNBR 1 1/2"xFPT1 1/2"
	123457485	Apollo SmartPress AISI316 3 Piece Ball Valve HNBR 2"xFPT2"
86VFFP	123457486	Apollo SmartPress AISI316 3 Piece Ball Valve FKM 1/2"xFPT1/2"
	123457487	Apollo SmartPress AISI316 3 Piece Ball Valve FKM 3/4"xFPT3/4"
	123457488	Apollo SmartPress AISI316 3 Piece Ball Valve FKM 1"xFPT1"
	123457489	Apollo SmartPress AISI316 3 Piece Ball Valve FKM 1 1/2"xFPT1 1/2"
	123457490	Apollo SmartPress AISI316 3 Piece Ball Valve FKM 2"xFPT2"

Note 7: See attached Worldwide Locations Appendix applicable to this CRN.

WORLDWIDE LOCATIONS APPENDIX – PAGE 1 OF 2

LOCATIONS & CERTIFYING AUTHORITIES

(rev. May 3, 2023)

Aalberts Integrated Piping Systems Americas, Inc.
10715 Sikes Place, Suite 200
Charlotte, NC, 28277
ISO 9001:2015 Certified by IAPMO R&T

Aalberts Integrated Piping Systems Americas, Inc.
1418 S. Pearl Street
Pageland, SC 29728
USA
ISO 9001:2015 Certified by IAPMO R&T

Aalberts Integrated Piping Systems Americas, Inc.
1509 South Van Lingle
Mungo Blvd
Pageland, SC 29728
ISO 9001:2015 Certified by IAPMO R&T

Aalberts Integrated Piping Systems Americas, Inc.
125 Highway 501 East
Conway, SC 29526
ISO 9001:2015 Certified by IAPMO R&T

In addition, in accordance with CSA B51 paragraph 4.2.5 Aalberts Integrated Piping Systems Americas, Inc. is taking responsibility for the product covered under this CRN that is manufactured at:

Elkhart Products Corporation
1255 Oak Street
Elkhart, IN 46514
ISO 9001:2015 Certified by Hartford Steam Boiler

Aalberts Integrated Piping Systems Ltd.
Belmont Works
St. Catherines Avenue
Doncaster
DN4 8DF
United Kingdom
ISO 9001:2015 Certified by bsi

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LOCATIONS & CERTIFYING AUTHORITIES

(rev. May 3, 2023)

Aalberts Integrated Piping Systems SAS

46. rue de l'Industrie
Saint Denis de l'Hotel
45550
France

ISO 9001:2015 Certified by bsi

Aalberts Integrated Piping Systems Kft

Gyarto Kft
Maglodi ut 16
Budapest
H-1106
Hungary

ISO 9001:2015 Certified by bsi

Aalberts Integrated Piping Systems B.V

Oude Amersfoortseweg 99, 1212 AA
Hilversum, Netherlands

ISO 9001:2015 Certified by DNV

Aalberts Integrated Piping Systems B.V

Productieweg 8, 3899AK Zeewolde,
Netherlands

ISO 9001:2015 Certified by DNV

Aalberts Integrated Piping Systems B.V

Propaanstraat 8/10, 7463PN Rijssen,
Netherlands

ISO 9001:2015 Certified by DNV