

Montréal, 10 janvier 2024.

CECYLIA GARBACZ
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ON
CANADA M9W 6N9

Fabricant : AALBERTS LINTERGRATED PIPING SYSTEMS
10715 SIKES PLACE, SUITE 200
CHARLOTTE NC
USA 18040-6714

Numéro de dossier : 944877

Numéro(s) de dessin(s) : APOLLO SMART-PRESS BALL VALVES scope OF CRN
REG
0C24868.5

Objet : Enregistrement des plans et devis – Confirmation de l'enregistrement

Bonjour,

Nous vous informons que votre demande d'enregistrement de plans et devis a été traitée et que cette conception a été enregistrée sous le numéro d'enregistrement canadien (NEC\CRN) suivant : **0C24868.56**.

Nous portons votre attention sur certaines exigences réglementaires concernant les installations sous pression, ainsi que des codes et normes qui y sont associés :

- Le fabricant doit maintenir un programme de contrôle de la qualité valide pour fabriquer un équipement selon ce NEC;
- Ce numéro d'enregistrement demeure valide tant et aussi longtemps que les paramètres de conception demeurent inchangés. Dans le cas d'accessoires, l'enregistrement est valide pour une durée de 10 ans à partir de la date d'enregistrement. Les documents de conception doivent alors être resoumis pour validation;
- Le fabricant doit nous transmettre une copie de la *Déclaration de conformité du constructeur (Manufacturer's Data Report)* pour chaque appareil ou chaudière fabriqué selon ce NEC dans les 30 jours suivant la signature de cette déclaration;
- Le numéro de dessin enregistré et le numéro de révision doivent être indiqués sur la déclaration de conformité pour les équipements fabriqués selon ce NEC.

Le présent avis d'approbation ne dégage pas le fabricant de ses responsabilités quant à la conception ou à la construction des équipements ou d'accessoires fabriqués selon un NEC.

Salutations distinguées,

Bureau d'expertise et d'homologation en équipements sous pression

Montréal

255, boul. Crémazie Est, 2ième étage

Montréal (Québec) H2M 1L5

Téléphone : 514 873-2546

Sans frais : 1 866 262-2084

enregistrementdesplans@rbq.gouv.qc.ca

www.rbq.gouv.qc.ca

Montréal, le 10 janvier 2024.

CECYLIA GARBACZ
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ON
CANADA M9W 6N9

Manufacturer : AALBERTS LINTERGRATED PIPING SYSTEMS
10715 SIKES PLACE, SUITE 200
CHARLOTTE NC
USA 18040-6714

OUR REFERENCE : 944877

Design number : APOLLO SMART-PRESS BALL VALVES scope OF CRN REG
0C24868.5

Subject: Design registration confirmation

Hi,

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0C24868.56**.

The following is a reminder of your obligations regarding certain requirements of the regulation respecting pressure vessels, and the referenced codes and standards:

- The manufacturer must maintain a valid quality control program to manufacture equipment according to the CRN.
- The CRN remains valid as long as there are no changes to the design calculations that might affect the pressure boundary. The design registration of fittings expires 10 years after acceptance. It must, therefore, be resubmitted for validation.
- The manufacturer shall submit a copy of the *Manufacturer's Data Report* to us for each boiler or pressure vessel manufactured according to this CRN within 30 days following the signing of this report.
- The drawing number and the revision number registered under this CRN must be indicated on the *Manufacturer's Data Report* for equipment manufactured according to the CRN.

This notice of approval does not relieve the manufacturer of their responsibilities with respect to the design or fabrication of equipment manufactured according to this CRN.

Yours sincerely,

Bureau d'expertise et d'homologation en équipements sous pression

Montréal

255, boul. Crémazie Est, 2ième étage
Montréal (Québec) H2M 1L5
Téléphone : 514 873-2546
Sans frais : 1 866 262-2084
enregistrementdesplans@rbq.gouv.qc.ca
www.rbq.gouv.qc.ca


Building Act (B-1.1)
Regulation respecting pressure vessels (B-1.1, r. 6.1)
Boiler, pressure vessel, and pressure piping code (CSA B51)

This declaration must be filled out and sent to the Régie du bâtiment du Québec (RBQ) by pressure fitting manufacturers when they make an application registration for fittings.

For more information on the application registration for fittings, consult the www.rbq.gouv.qc.ca/fittings-pv.

1. Fittings to register

List the fittings included in this declaration and that you wish to register.

N°	Description	Additional information (detail, calculations or approval sheets)
1	PRESS CONNECT VALVES	
2	SCOPE OF CRN, REPORTS,	
3	DRAWINGS, CALCULATIONS,	
4	WORLDWIDE LOCATION APPENDIX,	
5	COMPANY LOGO - SEE RIGHT	

2. Declaration of the person in charge

The person in charge is someone in a position of authority, such as a vice-president, a plant manager or a chief engineer.

2.1 Design

I, the undersigned, Julie Howell Director of New Product Engineering,
(Name of the person in charge) (Title of the person in charge)
 from Aalberts Integrated Piping Systems Americas, Inc., located at 10715 Sikes Place, Suite 200 Charlotte, NC, 28277
(Company's name) (Plant's address)

hereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:

comply with the requirements of the ANSI/ASME codes as to their dimensions, identification, material and purpose
 or **ASME B31.3, B31.1, B31.9**
 are not covered by the ANSI/ASME codes, but are in compliance with _____
(Name of code or standard)

code or standard and are designed according to the best current engineering practice, as proven by the enclosed approval report.

2.2 Manufacturing quality control

I further declare that the manufacture of these fittings is controlled by a quality control program that complies with the requirements of the following code: ISO 9001:2015, and has been verified by See Worldwide Locations Appendix.
(Name of code) (Authorized agency)

Signature of the person in charge: Julie Howell Date (yyyy-mm-dd): 2023-06-05

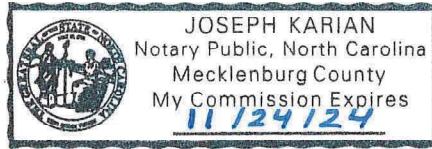
3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at Charlotte, on 2023-06-05.
(Location) (Date (yyyy-mm-dd)):

Signature of commissioner for oaths:

Date (yyyy-mm-dd): 2023-06-05

Stamp the seal:



4. Registration confirmation (for RBQ's use only)

As far as I know, this application complies with the requirements of the Act and with standard CSA B51, Part 1, section 4.2, and is accepted for registration in the class _____.

This registration expires in ten (10) years after the date of registration indicated above, and it must be validated again after this period.

Canadian registration number (CRN):

Registration date (yyyy-mm-dd):



Documents to attach

Any application registration for fittings must include these documents:

- Statutory Declaration Registration of Fittings (2 copies)
- Detailed calculations or burst test report (1 copy)
- Detailed technical drawings or catalogues (2 copies)
- Example of the manufacturer's marking (1 copy)
- Proof that a valid and approved quality control program has been implemented (1 copy)
- Form Application for design registration (1 copy)

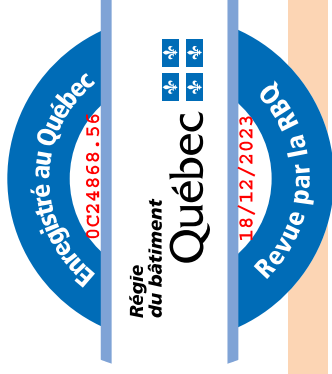
Sending the form

This declaration is necessary to submit an application for design registration. Design registration applications must be sent by email only to enregistrementdesplans@rbq.gouv.qc.ca.

Documents must be in PDF format and in separate files.

AALBERTS INTEGRATED PIPING SYSTEMS AMERICAS, INC.

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



03-May-23

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SCOPE OF CRN REGISTRATION

Product Description	Design Code	FullFlow Models	Material Specification	Product Size	MAWP at		Report Number
					100°F	392°F (Note 4,5)	
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	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		Report Number
					100°F	392°F (Note 4,5)	
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	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		Report Number
					100°F	392°F (Note 4,5)	
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	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.



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"

AALBERTS INTEGRATED PIPING SYSTEMS AMERICAS, INC.

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

03-May-23

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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

WORLDWIDE LOCATIONS APPENDIX – PAGE 2 OF 2

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