Régie du bâtiment Québec

Direction des équipements sous pression

Montréal, 21 janvier 2026.

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

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

Numéro de dossier : 941064
Numéro(s) de dessin(s) : CRN RENEWAL AND CHANGE OWNER'S NAME
0C10908.5R14

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 : **0C10908.56.**

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,

Direction des 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

Régie du bâtiment Québec

Direction des équipements sous pression

Montréal, le 21 janvier 2026.

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

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

OUR REFERENCE : 941064
Design number : CRN RENEWAL AND CHANGE OWNER'S NAME
0C10908.5R14

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): **0C10908.56.**

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,

Direction des 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

Régie du bâtiment Québec

Statutory Declaration Registration of Fittings

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	BALL VALVES	
2	SCOPE OF CRN REGISTRATION,	
3	CATALOGS, REPORTS	
4	WORLDWIDE LOCATIONS 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, Greg Goodson (Name of the person in charge), Engineering Manager (Title of the person in charge),
from Aalberts Integrated Piping Systems Americas, Inc. (Company's name), located at 10715 Sikes Place, Suite 200, Charlotte, NC, 28277 (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 B16.34 or ASME B31.3

☐ 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 (Name of code), and has been verified by SCB (Authorized agency).

Signature of the person in charge:	Date (yyyy-mm-dd): APRIL 17 2025

3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at Pazeland QC (Location), on April 17th 2025 (Date (yyyy-mm-dd)).

Signature of commissioner for oaths: [signature]

Date (yyyy-mm-dd): Commission Exp. 2034-09-31

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):

Enregistré au Québec
0C10908.56
Régie du bâtiment Québec
19/01/2026
Revue par la RBQ

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.

Technical Safety Authority of Saskatchewan

2202 2nd Avenue Regina, SK S4R 1K3
PH: (306)798-7111 Toll Free: (866)530-8599
Website: www.tsask.ca
Email: designsubmission@tsask.ca

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, Greg Goodson,

Engineering Manager
(company title, e.g. vice president, plant manager, chief engineer)
(must be in a position of authority in the manufacturing plant where the fitting is produced)

of: Aalberts Integrated Piping Systems Americas, Inc.
(name of manufacturer)

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

aalberts integrated piping systems "Apollo" Valves

located at: 10715 Sikes Place, Suite 200 (Plant Address – Apt/Street) Charlotte, NC, (City,Prov) 28277 (Postal Code)

do solemnly declare that the fittings listed hereinunder, which are subject to the ***Saskatchewan Boiler and Pressure Vessel Act*** (check one)

- ○ Comply with the requirements of B16.34 or ASME B31.3 (title of recognized North American Standard) which specifies the dimensions, 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 attached data which identifies the dimensions, materials of construction, pressure / temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, SCB as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

Category C - Ball Valves

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

Scope of CRN Registration, Catalogs, Reports, Worldwide Locations Appendix

II. Declaration

DECLARED before me at Pageland In the State of South Carolina

this 17th day of April, 2025

Monica Arant
(print name)

Greg Goodson
(Signature)

Monica Arant comm EXP 7-31-34
(Signature of Commissioner of Oaths)

III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the ***Boiler and Pressure Vessel Act*** and CSA B51, Clause 4.2, and is accepted for registration in Category _____

(Registration Number) (Date Registered – MM DD YYYY) (For the Chief Inspector) (Expiry Date – MM DD YYYY)

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick | Nova Scotia | Prince Edward Island | Newfoundland and Labrador
Nunavut | Yukon | Northwest Territories

Manufacturers Name: Aalberts Integrated Piping Systems Americas, Inc.	
Manufacturers Address: 715 Sikes Place, Suite 200, Charlotte, NC, 28277, USA	
Plant Locations: NC - 28277 USA, SC - 29728 USA Site 1 and 2, SC - 29526 USA Site 3 - See ISO 9001 Certificate	
Category of Fittings to be registered. Circle one Category only **A** Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers **B** Flanges: all flanges **C** Valves: all line valves **D** Expansion joints, flexible connections, and hose assemblies: all types **E** Strainers, filters, separators, and steam traps **F** Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters **G** Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs **H** Pressure retaining components that do not fall into one of the above categories **N** Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ , (Meeting CNSC or ASME requirements)	**Title of the Standard of Construction** - ASME B16.34 or - ASME B31.3
Show Manufacturers Name, Trademark, or Logo as it will appear on the product aalberts integrated piping systems "Apollo" Valves	**Type of Construction** Forged ■ Welded □ Wrought ■ Cast ■ Other □ Describe other:
List of supporting documentation and identification of the actual items to be registered: - Ball Valves Scope of CRN Registration, Catalogs, Reports	

Declaration:

I Greg Goodson, Engineering Manager (see note 3) employed by Aalberts Integrated Piping Systems Americas, Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by SCB - ISO:9001:2015 as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: Greg Goodson

Declared before me at Pageland SC

This 17th day of April AD 2025

Use this space for the Official Seal

Commissioner of Oaths

Or Notary Public: (sign) Maria Graves

My Commission Expires 7-31-34

(Affix Official seal to the right)

This space for Regulatory Authority use.
This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: _____

FID#: _____

Notes:

1. All Fittings shall be registered in the name of the Manufacturer.
2. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality Control programs shall be resubmitted for validation.

AALBERTS INTEGRATED PIPING SYSTEMS AMERICAS, INC.
10715 SIKES PLACE, SUITE 200
CHARLOTTE, NC, 28277
28277

SCOPE OF CRN REGISTRATION

Product Description	Design Code	Size Range	Process Connection(s) and Pressure Class	Valve Series	Standard Valve Body Materials (Note 8)	P-T Ratings ASME B16.34 Table 2 Group (Note 4,6,7)
Apollo Flanged Ball Valves	ASME B16.34	NPS 1-1/2" thru NPS 10"	Flanged CL150, CL300 Standard Port	87A	ASTM A351-CF8M	2.2
				87C	ASTM A351-CN7M	3.17
				87G	ASTM A479-316/316L	2.2
				87H	ASTM A494-CW-12MW	3.15
				87J	ASTM A995-CD3MN	2.13
				87K	ASTM A995 CD3MWCuN	2.13
				87M	ASTM A494-M35-1	3.4
				88A	ASTM A216-WCB	1.1
				88L	ASTM A352-LCC	1.2
Apollo Flanged Ball Valves	ASME B16.34	NPS 1/2" thru NPS 12"	Flanged CL150, CL300 Full Port	87A	ASTM A351-CF8M	2.2
				87C	ASTM A351-CN7M	3.17
				87G	ASTM A479-316/316L	2.2
				87H	ASTM A494-CW-12MW	3.15
				87J	ASTM A995-CD3MN	2.13
				87K	ASTM A995 CD3MWCuN	2.13
				87M	ASTM A494-M35-1	3.4
				88A	ASTM A216-WCB	1.1
				88L	ASTM A352-LCC	1.2
Apollo Flanged Ball Valves	ASME B16.34	NPS 1" thru NPS 12"	Flanged CL600 Full Port	87A	ASTM A351-CF8M	2.2
				87C	ASTM A351-CN7M	3.17
				87G	ASTM A479-316/316L	2.2
				87H	ASTM A494-CW-12MW	3.15
				87J	ASTM A995-CD3MN	2.13
				87K	ASTM A995 CD3MWCuN	2.13
				87M	ASTM A494-M35-1	3.4
				88A	ASTM A216-WCB	1.1
				88L	ASTM A352-LCC	1.2
Apollo Industrial 3-Piece Ball Valves	ASME B16.34	NPS 1/4" thru NPS 2"	NPT, Socket Weld, Butt Weld CL600	83B	ASTM A216-WCB	1.1
				83L	ASTM A352-LCC	1.2
				86B	ASTM A351-CF8M	2.2
				86C	ASTM A351-CN7M	3.17
				86D	ASTM A494-CW-12MW	3.15
				86E	ASTM A494-M35-1	3.4
				86G	ASTM A479-316/316L	2.2
				86J	ASTM A995-CD3MN	2.13
				86K	ASTM A995 CD3MWCuN	2.13

SCOPE OF CRN REGISTRATION

Product Description	Design Code	Size Range	Process Connection(s) and Pressure Class	Valve Series	Standard Valve Body Materials (Note 8)	P-T Ratings ASME B16.34 Table 2 Group (Note 4,6,7)
Apollo Top Entry Ball Valves	ASME B16.34	NPS 1/2" thru NPS 12"	Flanged CL150, CL300 Standard Port and Full Port	A	ASTM A351-CN7M	3.17
				B	ASTM A351-CF3M	2.2
				C	ASTM A216-WCB	1.1
				G	ASTM A351-CG8M	2.2
				H	ASTM A494-CW-12MW	3.15
				J	ASTM A995-CD3MN	2.13
				K	ASTM A995 CD3MWCuN	2.13
				L	ASTM A352-LCC	1.2
				M	ASTM A494-M35-1	3.4
				P	ASTM A217-C12	1.15
				R	ASTM A351 CN3MN	3.12
				S	ASTM A351-CF8M	2.2
				W	ASTM A351-CK3MCuN	2.8
				Y	ASTM A494 N-12MV	3.15
Apollo Top Entry Ball Valves	ASME B16.34	NPS 1/2" thru NPS 12"	Flanged CL600 Full Port	A	ASTM A351-CN7M	3.17
				B	ASTM A351-CF3M	2.2
				C	ASTM A216-WCB	1.1
				G	ASTM A351-CG8M	2.2
				H	ASTM A494-CW-12MW	3.15
				J	ASTM A995-CD3MN	2.13
				K	ASTM A995 CD3MWCuN	2.13
				L	ASTM A352-LCC	1.2
				M	ASTM A494-M35-1	3.4
				P	ASTM A217-C12	1.15
				R	ASTM A351 CN3MN	3.12
				S	ASTM A351-CF8M	2.2
				W	ASTM A351-CK3MCuN	2.8
				Y	ASTM A494 N-12MV	3.15

AALBERTS INTEGRATED PIPING SYSTEMS AMERICAS, INC.
10715 SIKES PLACE, SUITE 200
CHARLOTTE, NC, 28277
28277

SCOPE OF CRN REGISTRATION

Product Description	Design Code	Valve Series	Standard Valve Body Materials	CWP Pressure Rating at 100°F (psig) - Note 5,6					
				3000	2000	1500	1000	800	400
Apollo Industrial Ball Valves	ASME B31.3	73A	ASTM A105		0.25" thru 1"	1.25" thru 2"			
		76	ASTM A351-CF8M		0.25" thru 1"	1.25" thru 2"	2.5" thru 3"		
		76-AR	ASTM A351-CF8M		0.25" thru 1"	1.25" thru 2"	2.5" thru 3"		
		76J	ASTM A995-4A		0.25" thru 1"	1.25" thru 2"	2.5" thru 3"		
		76J-AR	ASTM A995-4A		0.25" thru 1"	1.25" thru 2"	2.5" thru 3"		
		76K	ASTM A995-6A		0.25" thru 1"	1.25" thru 2"	2.5" thru 3"		
		76K-AR	ASTM A995-6A		0.25" thru 1"	1.25" thru 2"	2.5" thru 3"		
		89	ASTM A216-WCB		0.25" thru 1"	1.25" thru 2"	2.5" thru 3"		
		89AR	ASTM A216-WCB		0.25" thru 1"	1.25" thru 2"	2.5" thru 3"		
		399	ASTM A351-CN7M		0.25" thru 1"	1.25" thru 2"	2.5" thru 3"		
		489	ASTM A216-WCB		0.25" thru 1"	1.25" thru 2"	2.5" thru 3"		
		74	ASTM A494-CZ100					0.50" thru 2"	
		7A	ASTM A216-WCB						0.25" thru 2"
		76F	ASTM A351-CF8M				2.5" thru 3"		
		76FJ	ASTM A995-4A				2.5" thru 3"		
		76FK	ASTM A995-6A				2.5" thru 3"		
		83A	ASTM A216-WCB			0.25" thru 2"			
		86A	ASTM A351-CF8M			0.25" thru 2"			
		92	ASTM A216-WCB		0.25" thru 1"	1.25" thru 2"			
		96	ASTM A351-CF8M		0.25" thru 1"	1.25" thru 2"			
		96J	ASTM A995-4A		0.25" thru 1"	1.25" thru 2"			
		96K	ASTM A995-6A		0.25" thru 1"	1.25" thru 2"			
		7H	ASTM A351-CF8M					0.25" thru 1"	
		76-300	ASTM A351-CF8M		0.50" thru 1"	1.25" thru 2"			
		76-400	ASTM A351-CF8M		0.50" thru 1"	1.25" thru 2"			
		76-600	ASTM A351-CF8M					0.25" thru 2"	
		72	ASTM A105	0.50" thru 2"					

SCOPE OF CRN REGISTRATION

Product Description	Design Code	Size Range	Process Connection(s)	Valve Series	Standard Valve Body Materials	CWP Pressure Rating at 100°F (CWP) (Note 5,6)
Apollo Industrial 3-Piece Standard Port Ball Valves	ASME B31.3	NPS 3/4" thru NPS 2-1/2"	NPT, Socket Weld, Buttweld **(Note 9)**	84A	ASTM A216-WCB	1500 psig
		NPS 3/4" thru NPS 2-1/2"	NPT, Socket Weld, Buttweld **(Note 9)**	85A	ASTM A351-CF8M	1500 psig

Product Description	Design Code	Size Range	Process Connection(s) and Pressure Class	Valve Series	Standard Valve Body Materials (Note 8)	P-T Ratings ASME B16.34 Table 2 Group (Note 4,6,7)
Apollo Industrial 3-Piece Standard Port Ball Valves	ASME B16.34	NPS 3/4" thru NPS 2-1/2"	NPT, Socket Weld, Buttweld **(Note 9)** CL600	84B	ASTM A216-WCB	1.1
				84L	ASTM A352-LCC	1.2
				85B	ASTM A216-WCB	2.2
				85C	ASTM A351-CN7M	3.17
				85D	ASTM A494-CW-12MW	3.15
				85E	ASTM A494-M35-1	3.4
				85G	ASTM A479-316/316L	2.2
				85J	ASTM A995-CD3MN	2.13
				85K	ASTM A995 CD3MWCuN	2.13

Product Description	Design Code	Size Range	Process Connection(s)	Valve Series	Standard Valve Body Materials	Pressure Rating MAWP at MAWT (Note 6)
Apollo PowerPress Floating Type Ball Valves	ASME B31.3	NPS 1/2" thru NPS 2"	Press	89FV	ASTM A216-WCB, ASTM A108-12L14 (G12144)	235 psig at -40°F/338°F

AALBERTS INTEGRATED PIPING SYSTEMS AMERICAS, INC.
10715 SIKES PLACE, SUITE 200
CHARLOTTE, NC, 28277
28277

SCOPE OF CRN REGISTRATION

Valve Series	Valve Models	Material Specification	Design Code	Size Range	End Connections	Pressure Rating CRN MAWP at -20°F/100°F (Note 6)	Pressure Rating CRN MAWP at -20°F/406°F (Note 6)
70-100	70-100 70-140 70-190	ASTM B584-C84400, ASTM B283-C37700, ASTM B62-C83600, ASTM B16-C36000	ASME B31.3 MSS SP-110	1/4" thru 3"	NPT, Solder	600 psig	425 psig
70-100-BC	70-100-BC						
70-200	70-200 70-240						
70-300	70-300 70-340						
70-400	70-400 70-440						
70-800	70-800						
70B-140	70B-140 70B-150 70B-190						
71-100	71-100 71-120 71-140 71-150 71-190						
71-500	71-500 71-540 71-590						
75-100	75-100						
77-100	77-100 77-140 77-150 77-190						
77-200	77-200 77-240 77-250						
7K-100	7K-100 7K-150 7K-190						
80-100	80-100						

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28277

SCOPE OF CRN REGISTRATION

Valve Series	Valve Models	Material Specification	Design Code	Size Range	End Connections	Pressure Rating CRN MAWP at -20°F/100°F (Note 6)	Pressure Rating CRN MAWP at -20°F/406°F (Note 6)
70LF-100	70LF-100 70LF-140	ASTM B584-C89836 ASTM B927-C27451	ASME B31.3, MSS SP-110	1/4" thru 3"	NPT, Solder	600 psig	250 psig
70LF-200	70LF-200 70LF-240						
70LF-300	70LF-300 70LF-340						
70LF-400	70LF-400 70LF-440						
77C	77C-100 77C-140 77C-100-UL 77C-200 77C-240 77C-200-UL 77C-800	ASTM B584-C84400 ASTM B283-C37700 ASTM B16-C36000	ASME B31.3 MSS SP-110	1/4" thru 2"	NPT, Solder	600 psig	425 psig
77CLF	77CLF-100 77CLF-140 77CLF-200 77CLF-240	ASTM B584-C89836 ASTM B927-C27451 ASTM B16-C36000	ASME B31.3, MSS SP-110	1/4" thru 2"	NPT, Solder	600 psig	250 psig
82	82-100 82-140 82-200 82-400	ASTM B584-C84400 ASTM B16-C36000	ASME B31.3 MSS SP-110	1/4" thru 4"	NPT, Solder	600 psig	425 psig
82-LF	82LF-100 82LF-140 82LF-200 82LF-240	ASTM B584-C89836 ASTM B927-C27451 ASTM B16-C36000	ASME B31.3, MSS SP-110	1/4" thru 4"	NPT, Solder	600 psig	250 psig
95	95A 95-100 95-200	ASTM B584-C84400 ASTM B283-C37700 ASTM B62-C83600 ASTM B16-C36000	ASME B31.3 MSS SP-110	1/2" thru 1"	NPT, Solder	600 psig	425 psig
95	95ALF	ASTM B584-C89836 ASTM B927-C27451 ASTM B16-C36000	ASME B31.3, MSS SP-110	1/2" thru 1"	NPT, Solder	600 psig	250 psig
71-AR	71-AR	ASTM B584-C84400 ASTM B16-C36000	ASME B31.3 MSS SP-110	3/4" thru 3"	NPT, Solder	600 psig	425 psig

AALBERTS INTEGRATED PIPING SYSTEMS AMERICAS, INC.
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28277

SCOPE OF CRN REGISTRATION

Valve Series	Valve Models	Material Specification	Design Code	Size Range	End Connections	Pressure Rating CRN MAWP at -20°F/100°F (Note 6)	Pressure Rating CRN MAWP at -20°F/406°F (Note 6)
77-AR	77-AR	ASTM B584-C84400 ASTM B16-C36000	ASME B31.3 MSS SP-110	1/4" thru 2"	NPT, Solder	600 psig	425 psig
32-100	32-100	ASTM B584-C84400 ASTM B16-C36000	ASME B31.3 MSS SP-110	1/4" thru 2"	NPT, Solder	400 psig	285 psig
32-200	32-200						
50GB	50GB GB50 GB50-A	ASTM B584-C84400 ASTM B16-C36000	ASME B31.3 MSS SP-110	1/2" thru 2"	NPT, Solder	250 psig	250 psig
70-600	70-600 70-640	ASTM B584-C84400 ASTM B283-C37700 ASTM B16-C36000	ASME B31.3 MSS SP-110	1/4" thru 2"	NPT, Solder	400 psig	285 psig
70-900	70-900						
7B	7B-100 7B-300 7B-800	ASTM B584-C84400 ASTM B16-C36000	ASME B31.3 MSS SP-110	1/4" thru 2"	NPT, Solder	400 psig	285 psig
79	79 79-700	ASTM B283-C37700 ASTM B16-C36000 ASTM B75-C12200	ASME B31.3 ASME B31.5 MSS SP-110	3/8" thru 1-5/8"	Tube	500 psig **(Note 10)**	N/A
79	79 79-700	ASTM B283-C37700 ASTM B16-C36000 ASTM B75-C12200	ASME B31.3 ASME B31.5 MSS SP-110	2-1/8"	Tube	445 psig **(Note 10)**	N/A
79	79 79-700	ASTM B283-C37700 ASTM B16-C36000 ASTM B75-C12200	ASME B31.3 ASME B31.5 MSS SP-110	2-5/8"	Tube	415 psig **(Note 10)**	N/A
79	79 79-700	ASTM B283-C37700 ASTM B16-C36000 ASTM B75-C12200	ASME B31.3 ASME B31.5 MSS SP-110	3-1/8"	Tube	400 psig **(Note 10)**	N/A

SCOPE OF CRN REGISTRATION

Note 1: The technical documentation for the valves listed under this CRN can be found in **CRN Design Report R-2224**
Note 2: P-T Ratings = Pressure-Temperature Ratings, MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, CWP = Cold Working Pressure = Pressure rating at 100°F
Note 3: A cross reference between the listed ASTM grades and the material description is as follows:

ASTM Name	Material Description
ASTM A351-CF8M	Stainless Steel
ASTM A351-CN7M	Alloy 20
ASTM A479-316/316L	Stainless Steel
ASTM A494-CW-12MW	Hastelloy C
ASTM A351-CN3MN	AL-6XN
ASTM A351-CK3MCuN	254 SMO
ASTM A494-M35-1	Monel
ASTM A216-WCB	Carbon Steel
ASTM A352-LCC	Carbon Steel
ASTM A351-CF3M	Stainless Steel
ASTM A351-CG8M	Stainless Steel
ASTM A995-CD3MN	Duplex 2205
ASTM A995 CD3MWCuN	Super Duplex 2507

ASTM Name	Material Description
ASTM A217-C12	Alloy Steel
ASTM A494 N-12MV	Hastelloy B
ASTM A105	Carbon Steel
ASTM A995-4A	Duplex Stainless Steel
ASTM A995-6A	Super Duplex Stainless Steel
ASTM A108-12L14 (G12144)	Carbon Steel
ASTM A494-CZ100	Nickel
ASTM B584-C84400	Copper Alloy
ASTM B283-C37700	Copper
ASTM B62-C83600	Bronze
ASTM B16-C36000	Brass
ASTM B584-C89836	Copper Alloy
ASTM B927-C27451	Brass

Note 4: Pressure-temperature ratings are in accordance with applicable ASME B16.34 Table 2 ratings.
Note 5: For valves with a Design Code of ASME B31.3 and a CWP rating at 100°F consult product literature for valve pressure ratings at temperatures above 100°F.
Note 6: The pressure-temperature ratings shown are the maximum CRN pressure-temperature ratings. In all cases the MAWP and MAWT may be limited by the seat, seal, closure ball or other considerations. Please consult manufacturer's literature.
Note 7: For valves meeting the requirements of ASME B16.34 in accordance with ASME B16.34 para. 2.3.2 the pressure rating for service at any temperature below 100°F shall be no greater than the rating shown in ASME B16.34 Tables 2-1.1C through 2-3.19C for 100°F. For low temperature operation please reference ASME B31.T and ASME B16.34 Non-mandatory Appendix D. Products that are to operate at low temperatures shall conform to the rules of the applicable codes under which they are used.
Note 8: For valves meeting the requirements of ASME B16.34 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 9: 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 10: Valves only to be used with ASME B31.5 Group 2 fluids. Excluded refrigerants falling in Group 1 include; R-290, R-600, R-600A, R-717 and R-1270. MDMT suitable down to -325°F per ASME B31.3.
Note 11: See attached Worldwide Location Appendix for a list of manufacturing locations applicable to this CRN.

WORLDWIDE LOCATIONS APPENDIX – PAGE 1 OF 1

LOCATIONS & CERTIFYING AUTHORITIES

(rev. November 19, 2024)

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