

March 31, 2026

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

The design submission, Tracking Number 2025-07779, Web Portal Number 2025-S6285, originally received on December 03, 2025 was surveyed and accepted for registration as follows:

CRN : 0C26136.2 **Accepted on:** March 31, 2026
Reg Type: NEW DESIGN **Expiry Date:** March 31, 2036
Document No. Scope of CRN Registration dated March 25, 2026
Fitting type: 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:

The scope of this registration includes the four manufacturing locations listed in the worldwide locations appendix.

As per your email on February 27, 2026 the geometry, dimensions, and ends of valve series 85D, 85E, 85G, 85J, and 85K are the same as series 85B.

As indicated on the AB-41 Statutory Declaration form the codes of construction are ASME B16.34 and B31.3.

Valves with solder end connections shall only be used in category D fluid service as per B31.3 paragraph 317.1.

This submission has been accepted for registration based on the understanding that all valves with design code ASME B16.34 are in full compliance with this standard.

It is our understanding that the fittings included in the scope of this registration that are subject to the Safety Codes Act shall comply with the requirements of the codes of construction on the AB-41 Statutory Declaration form as supported by the 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.

This registration is valid only for fittings fabricated at the locations covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form. This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid QMS approved by an acceptable third-party agency, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place. Should the approval of the QMS 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 questions don't hesitate to contact me by phone at (587) 686-9364 or fax (780) 437-7787 or e-mail Rudolf@absa.ca.

Sincerely,



RUDOLF, KEITH, P. Eng.
DOP Cert. No. D00008862

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

I, Greg Goodson, Engineering Manager
(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)



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



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 or ASME B31.3 ²⁰²⁵ ^{2024 (KR)} 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. | Ball Valves | ISO 9001:2015 | Design, Manufacturing, Distribution | 2027-09-14 | SCB | See Worldwide Locations Appendix |
| 2. | | | | | | |

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

Scope of CRN Registration, Catalogs, Reports

Greg Coulter
(Signature of the Declarer)

APRIL 17, 2025
(Date)

DECLARED before me at Pageland in the state of South Carolina
(city) (province, territory, or state)
this 17th day of April, 2025
(Month) (Year)

(print) Monica Arant
(a Commissioner of Oaths or Notary Public)

(sign) Monica Arant
(a Commissioner of Oaths or Notary Public)

07/31/34
(expiry date (mm/dd/yy))

Commissioner of Oaths / Notary Public in and for: South 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: _____

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

2025-07779

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: 0C26136.2

See acceptance letter for conditions of registration.

Date: 2026-03-31

By:

Keith Rudolf

KEITH RUDOLF, P. Eng.
DOP: D00008862

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.



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

AALBERTS INTEGRATED PIPING SYSTEMS AMERICAS, INC.

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



2025-07779
ABSA
 SAFETY CODES ACT - PROVINCE OF ALBERTA
ACCEPTED: 0C26136.2
 See acceptance letter for conditions of registration.
 Date: 2026-03-31 By: *Keith Rudolf*
 KEITH RUDOLF, P. Eng.
 DOP: D0000862

March 25, 2026

PAGE 1 OF 8

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 | 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 | 1.14 |
| | | | | 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 | 1.14 |
| | | | | 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 |



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" | | | | |
| | | 489 | ASTM A216-WCB | | 0.25" thru 1" | 1.25" thru 2" | 2.5" thru 3" | | | |
| | | | | | | | | | | |
| | | | | 7A | ASTM A216-WCB | | | | | 0.25" thru 2" |
| | | | | 76F | ASTM A351-CF8M | | | | 3" | |
| | | | | 76FJ | ASTM A995-4A | | | | 3" | |
| | | | | 76FK | ASTM A995-6A | | | | 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 A351-CF8M | 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 | | | | |



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 | | | | | | |



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 H02 | 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 H02 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 | 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 H02 ASTM B16-C36000 | ASME B31.3, MSS SP-110 | 1/4" thru 2-1/2" | 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 H02 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 |



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 |



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 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 10: Valves supplied with solder end connections shall only be used for Category D Service under the ASME B31.3 code.

Note 11: For valves with a design code of ASME B31.3 the valves bodies are suitable for the following ASME B31.3 Table A-1C minimum temperatures: ASTM A105 = -20°F, ASTM A351-CF8M = -425°F, ASTM A995-4A = -60°F, ASTM A995-6A=-60°F, ASTM A216-WCB = -20°F, ASTM A351-CN7M = -325°F.

Note 12: See attached Worldwide Location Appendix for a list of manufacturing locations applicable to this CRN.