



**Inspection and Technical Services Manitoba**

500 - 401 York Avenue

Winnipeg Manitoba R3C 0P8

T (204) 945-3373

F (204) 948-2309

[www.firecomm.gov.mb.ca/codes\\_steam\\_pressure.html](http://www.firecomm.gov.mb.ca/codes_steam_pressure.html)

October 17, 2016

TSSA  
345 Carlingview Drive  
Toronto, ON  
M9W 6N9

Attn: Tanya Francis

**REGISTRATION OF VALVES AND FITTINGS**

**Manufacturer:** CONBRACO INDUSTRIES

The design(s) for the following Valves/Fittings has been received by us and has been examined and accepted for registration in the Province of Manitoba as follows.

CATALOGUE/DRAWINGS	CRN	FILE
Design Report R-0605-1 Bronze Brass Ball Valves	0C10908.54	36868

**An invoice covering survey and registration fees is enclosed.**

***NOTE:** CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: TSSA This registration expires March 7, 2026.*

This registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

The registration of this design does not relieve the manufacturer, the owner or his agent of the responsibility for the design or construction of a fitting in accordance with the applicable Acts, Codes and Standards. Inspection and Technical Services assumes no responsibility by registering designs, examining plans and/or inspecting equipment or facility.

Regards,

**Ryan Orlesky, C.E.T.**

*Design Surveyor*

Office of the Fire Commissioner

Inspection and Technical Services Manitoba

508 - 401 York Avenue

Winnipeg, Manitoba, R3C 0P8

Phone: 204-945-3373

Email: [ryan.orlesky@gov.mb.ca](mailto:ryan.orlesky@gov.mb.ca)



**TECHNICAL STANDARDS & SAFETY AUTHORITY**  
 14th Floor, Centre Tower  
 3300 Bloor Street West  
 Toronto, Ontario  
 Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

**"Apollo" Valves**  
 Manufactured by Conbraco Industries Inc.

**STATUTORY DECLARATION**  
**Registration of Fittings**

I, DAVID EDMONDS, SENIOR PRODUCT ENGINEER  
 (Name and Position, e.g. President, Plant Manager, Chief Engineer)

of CONBRACO INDUSTRIES, INC.  
 (Name of Manufacturer)

Located at 1418 S. PEARL STREET, PAGELAND, SC 29728, USA      843-672-6161      843-672-1648  
 (Plant Address)      (Telephone No.)      (Fax No.)

do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3  
 (Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

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, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO:9001:2008 which has been verified by the following authority, TUV

The items covered by this declaration, for which I seek registration, are category C - BALL VALVES type fittings. In support of this application, the following information and/or test data are attached as follows:  
SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS

(drawings, calculations, test reports, etc.)

Declared before me at Pageland, South Carolina in the County of Chesterfield  
 the 26<sup>th</sup> day of January AD 2016

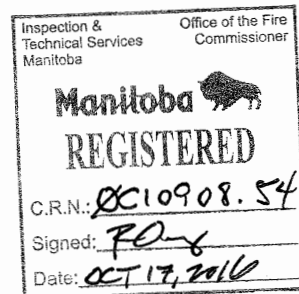
Commissioner for Oaths:  
Nancy Strawn  
 (Printed name)  
Nancy Strawn  
 (Signature)

**NOTARY PUBLIC**  
 NANCY STRAWN  
 SOUTH CAROLINA  
 (Signature of Declarer)

**FOR OFFICE USE ONLY**

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category "C"

CRN: OC10908.54  
 Registered by: RYAN ORLESKY  
 Dated: OCT 17, 2016



**NOTE:** This registration expires on MARCH 7, 2026

CONBRACO INDUSTRIES INC.  
 701 MATTHEWS-MINT HILL ROAD  
 MATTHEWS, NC  
 USA, 28105

16-Jun-16

Page 1 of 3

**FLOATING TYPE BALL VALVES - SCOPE OF CRN REGISTRATION**

Valve Series	Valve Models	Material Description	Material Specification	Design Code	Size Range	End Connections	CRN MAWP at 100F (Note 1)	CRN MAWP at 406F (Note 1)	MDMT	Design Report #
70-100	70-100 70-140 70-190	Bronze and Brass	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	- 20F	R-0605-1
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									

**FLOATING TYPE BALL VALVES - SCOPE OF CRN REGISTRATION CONTINUED**

Valve Series	Valve Models	Material Description	Material Specification	Design Code	Size Range	End Connections	CRN MAWP at 100F (Note 1)	CRN MAWP at 406F (Note 1)	MDMT	Design Report #
70LF-100	70LF-100 70LF-140	Lead Free Bronze and Brass	ASTM B584-C89836 ASTM B927-C27451	ASME B31.3, MSS SP-110	1/4" thru 3"	NPT, Solder	600 psig	250 psig	- 20F	R-0605-2
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	Bronze and Brass	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	- 20F	R-0605-3
77CLF	77CLF-100 77CLF-140 77CLF-200 77CLF-240	Lead Free Bronze and Brass	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	- 20F	R-0605-4
82	82-100 82-140 82-200 82-400	Bronze and Brass	ASTM B584-C84400 ASTM B16-C36000	ASME B31.3 MSS SP-110	1/4" thru 4"	NPT, Solder	600 psig	425 psig	- 20F	R-0605-5
82-LF	82LF-100 82LF-140 82LF-200 82LF-240	Lead Free Bronze and Brass	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	- 20F	R-0605-6
95	95A 95-100 95-200	Bronze and Brass	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	- 20F	R-0605-7
95	95ALF	Lead Free Bronze and Brass	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	- 20F	R-0605-8
71-AR	71-AR	Bronze and Brass	ASTM B584-C84400 ASTM B16-C36000	ASME B31.3 MSS SP-110	3/4" thru 3"	NPT, Solder	600 psig	425 psig	- 20F	R-0605-9

**FLOATING TYPE BALL VALVES - SCOPE OF CRN REGISTRATION CONTINUED**

Valve Series	Valve Models	Material Description	Material Specification	Design Code	Size Range	End Connections	CRN MAWP at 100F (Note 1)	CRN MAWP at 406F (Note 1)	MDMT	Design Report #
77-AR	77-AR	Bronze and Brass	ASTM B584-C84400 ASTM B16-C36000	ASME B31.3 MSS SP-110	1/4" thru 2"	NPT, Solder	600 psig	425 psig	- 20F	R-0605-10
32-100	32-100	Bronze and Brass	ASTM B584-C84400 ASTM B16-C36000	ASME B31.3 MSS SP-110	1/4" thru 2"	NPT, Solder	400 psig	285 psig	- 20F	R-0605-11
32-200	32-200									
50GB	50GB GB50 GB50-A	Bronze and Brass	ASTM B584-C84400 ASTM B16-C36000	ASME B31.3 MSS SP-110	1/2" thru 2"	NPT, Solder	250 psig	250 psig	- 20F	R-0605-12
70-600	70-600 70-640	Bronze and Brass	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	- 20F	R-0605-13
70-900	70-900									
7B	7B-100 7B-300 7B-800	Bronze and Brass	ASTM B584-C84400 ASTM B16-C36000	ASME B31.3 MSS SP-110	1/4" thru 2"	NPT, Solder	400 psig	285 psig	- 20F	R-0605-14
79	79 79-700	Brass	ASTM B283-C37700 ASTM B16-C36000 ASTM B75-C12200	ASME B31.3 ASME B31.5 MSS SP-110	3/8" thru 3-1/8"	Tube	500 psig	N/A	ASME B31.5 Grp. 2	R-0605-15

Note 1: 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 Conbraco / Apollo valve literature.

Note 2: See attached list of manufacturing locations applicable to this CRN.

# CERTIFICATE

**TUV Rheinland of North America, Inc.**  
1300 Massachusetts Avenue, Suite 103, Boxborough, MA 01719



Hereby certifies that



**Conbraco Industries, Inc.**



**701 Matthews-Mint Hill Road  
Matthews, NC 28105**

has established and maintains a quality management system for the

**Design and Manufacture of Flow and Pressure Relief Valves for  
Residential, Industrial and Medical Applications Under the Apollo  
Trademark; The Provision of Contract Calibration Services**

An audit was performed and documented in Report No 2418.  
Proof has been furnished that the requirements according to

**ISO 9001:2008**

are fulfilled.

Further clarification regarding the scope of this certificate and the applicability of  
ISO 9001:2008 requirements may be obtained by contacting TRNA.

Certificate Registration No.

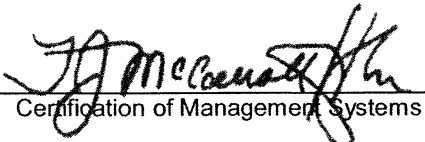
**74 300 2418**

Certificate Issue Date  
**December 01, 2015**

Certificate Expiration Date  
**September 14, 2018**

Revised 11/30/2015  
Certification Decision 11/30/2015



  
Certification of Management Systems

# APPENDIX

**TUV Rheinland of North America, Inc.**  
1300 Massachusetts Avenue, Suite 103, Boxborough, MA 01719



This appendix lists the sites certified under Certificate Number

**74 300 2418**, valid until **September 14, 2018**

For



## Conbraco Industries, Inc.

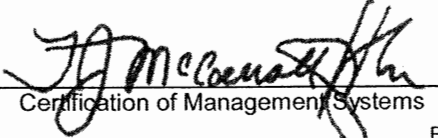


SITE ADDRESS	ACTIVITIES RELATING TO:
701 Matthews-Mint Hill Road Matthews, NC 28105	Corporate HQ; Sales and Customer Service
1418 S. Pearl Street Pageland, SC 29728	Design, Manufacturing, Calibration & Distribution and Customer Service
1509 South Van Lingle Mungo Blvd Pageland, SC 29728	Foundry & Machining Operations
125 Highway 501 East Conway, SC 29526	Foundry & Manufacturing Operations

**This appendix is only valid in conjunction with the referenced certificate.**

Revised 11/30/2015  
Certification Decision Date 11/30/2015



  
Certification of Management Systems