



505 - 6th Street, Suite 200
New Westminster, BC V3L 0E1

Toll Free: 1-866-566-SAFE
Fax: (778) 396 - 2064
www.safetyauthority.ca

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

Date: August 3, 2016
Account #: 35231
Journal #: 66091
Our File #: 5602072

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 1911008, for a Fitting is accepted for registration as follows:

Registered To: CONBRACO INDUSTRIES INC **CRN:** 0C10908.51

Drawing #: Design Reports R-0605-1 etc

Drawing Revision: 0

Conditions Of Registration:

Reg'n of Bronze Brass Ball Valves w/conditions & mfg locations as per scope of reg'n shts (5 pgs).

This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

Reviewer's Notes:

As required by CSA B51 4.2.1, this registration expires on March 07, 2026. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

SHARON PETERS

boiler.designregistration@safetyauthority.ca
Design Administration

cc:

OC10908.51
Beverly Hills, California
Safety
AUTHORITY
AUGUST 3, 2016
BCSA J # 66091

16-Jun-16

FLOATING TYPE BALL VALVES - SCOPE OF CRN REGISTRATION

[illegible]



THIS IS PART OF
CRN 0C10908-5 ADD 10

Technical Standards & Safety Authority
Boilers & Pressure Vessels

FLOATING TYPE BALL VALVES - SCOPE OF CRN REGISTRATION CONTINUED

Valve Series	Valve Models	Material Description	Material Specification	Design Code	Size Range	Connections	CRN MAWP at 100F (Note 1)	CRN MAWP at 406F (Note 1)	MDMT	Design Report #
70LF-100	70LF-100	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-140									
70LF-200	70LF-200									
	70LF-240									
70LF-300	70LF-300	Lead Free Bronze and Brass	ASTM B584-C89836 ASTM B927-C27451	ASME B31.3, MSS SP-110	1/4" thru 2"	NPT, Solder	600 psig	425 psig	- 20F	R-0605-3
	70LF-340									
70LF-400	70LF-400									
	70LF-440									
77C	77C-100	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-0605-4
	77C-140									
	77C-100-UL									
	77C-200									
	77C-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-0605-5
	77C-200-UL									
	77C-800									
77CLF	77CLF-100									
	77CLF-140	Bronze and Brass	ASTM B584-C84400 ASTM B283-C37700 ASTM B16-C36000	ASME B31.3, MSS SP-110	1/4" thru 4"	NPT, Solder	600 psig	425 psig	- 20F	R-0605-6
	77CLF-200									
	77CLF-240									
82	82-100									
	82-140	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	425 psig	- 20F	R-0605-7
	82-200									
	82-400									
82-LF	82LF-100									
	82LF-140	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-0605-8
	82LF-200									
	82LF-240									
95	95A									
	95-100	Lead Free Bronze and Brass	ASTM B584-C89836 ASTM B927-C27451 ASTM B16-C36000	ASME B31.3, MSS SP-110	3/4" thru 3"	NPT, Solder	600 psig	425 psig	- 20F	R-0605-9
	95-200									
95	95ALF									
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	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.

THIS IS PART OF
CRN 0C10908.5 ADDS
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program



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



JJ McCann
Certification of Management Systems

APPENDIX

TUV Rheinland of North America, Inc.

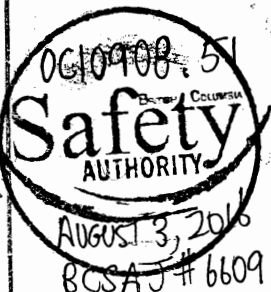
1300 Massachusetts Avenue, Suite 103, Boxborough, MA 01719



This appendix lists the sites certified under Certificate Number

74 300 2418, valid until September 14, 2018

THIS IS PART OF
CRN 0 C109085AD
DIO
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program



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



J. J. McCreary
Certification of Management Systems