

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

Date: May 4, 2018
Account #: 35231
Journal #: 70535

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2259042, for a Fitting is accepted for registration as follows:

Registered To: FOSTER MANUFACTURING CO INC **CRN:** 0H20062.51

MDMT: -20 deg F

MAWT: 400 deg F

Drawing #: R-0768A/B/C

Drawing Revision: 0

Conditions Of Registration:

Registration of a Quick Detachable Couplings as per att'd scope of registration sheets (2 pages).

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:

Various MAWPs. As required by CSA B51 4.2.1, this registration expires on February 13, 2028. 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@technicalsaftybc.ca
Design Administration

cc:

FOSTER MANUFACTURING COMPANY INC.
 2324 WEST BATTLEFIELD ROAD
 SPRINGFIELD, MISSOURI
 65807, USA



11-Feb-18

PAGE 1 OF 2

SCOPE OF CRN REGISTRATION

Product Description	Catalogue Pages	Design Code	End Types	Body Size	CRN Maximum Allowable Working Pressure (psig)			MDMT (*F)
					Brass (psig) (Note 1,2)	Steel (psig) (Note 1,2)	Stainless Steel (psig) (Note 1,2)	
Quick Detachable Couplings "One Way Shut-Off Series"	ZSI-Foster HP/15M/10.15 Pages 8 thru 21	ASME B31.3 ASME B31.1 (Note 3)	1/8" NPT thru 1" NPT	2 SERIES - 1/8"	300 psig at 400°F	300 psig at 400°F	300 psig at 400°F	-20
				3 SERIES - 1/4"	300 psig at 400°F	300 psig at 400°F	300 psig at 400°F	-20
				3 SERIES - 1/4" SG	300 psig at 400°F	300 psig at 400°F	300 psig at 400°F	-20
				3 SERIES - 1/4" FM	300 psig at 400°F	300 psig at 400°F	300 psig at 400°F	-20
				4 SERIES - 3/8"	300 psig at 400°F	300 psig at 400°F	300 psig at 400°F	-20
				5 SERIES - 1/2"	300 psig at 400°F	300 psig at 400°F	300 psig at 400°F	-20
				6 SERIES - 3/4" FM	300 psig at 400°F	300 psig at 400°F	300 psig at 400°F	-20

Product Description	Catalogue Pages	Design Code	End Types	Body Size	CRN Maximum Allowable Working Pressure (psig)			MDMT (*F)
					Brass Socket w/ Brass Plug at (psig) (Note 1,2)	Brass Socket w/ Steel Plug at (psig) (Note 1,2)	S.Steel Socket w/ S.Steel Plug at (psig) (Note 1,2)	
Quick Detachable Couplings "FST Series"	ZSI-Foster HP/15M/10.15 Pages 40 thru 41	ASME B31.3 ASME B31.1 (Note 3)	1/8" NPT thru 1-1/2" NPT	1/8"	2300 psig at 300°F	2300 psig at 300°F	2400 psig at 400°F	-20
					1097 psig at 400°F	1097 psig at 400°F		
				1/4"	2300 psig at 300°F	2300 psig at 300°F	2400 psig at 400°F	-20
					1097 psig at 400°F	1097 psig at 400°F		
				3/8"	2300 psig at 300°F	2300 psig at 300°F	2400 psig at 400°F	-20
					1097 psig at 400°F	1097 psig at 400°F		
				1/2"	2300 psig at 300°F	2300 psig at 300°F	2400 psig at 400°F	-20
					1219 psig at 400°F	1219 psig at 400°F		
				3/4"	1300 psig at 300°F	1300 psig at 300°F	2400 psig at 400°F	-20
					689 psig at 400°F	689 psig at 400°F		
				1"	1300 psig at 300°F	1300 psig at 300°F	1700 psig at 400°F	-20
					689 psig at 400°F	689 psig at 400°F		
				1-1/4"	1300 psig at 300°F	1300 psig at 300°F	N/A	-20
					689 psig at 400°F	689 psig at 400°F		
1-1/2"	1300 psig at 300°F	1300 psig at 300°F	N/A	-20				
	689 psig at 400°F	689 psig at 400°F						



THIS IS PART OF
CRN 0H20062.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

CRN #: 0H20062.51
 Date: April 27, 2018
 BC J#: 70535

FOSTER MANUFACTURING COMPANY INC.
 2324 WEST BATTLEFIELD ROAD
 SPRINGFIELD, MISSOURI
 65807, USA



11-Feb-18

PAGE 2 OF 2

SCOPE OF CRN REGISTRATION CONTINUED

Product Description	Catalogue Pages	Design Code	End Types	Body Size	CRN Maximum Allowable Working Pressure (psig)			MDMT (°F)
					Brass (psig) (Note 1,2)	Steel (psig) (Note 1,2)	Stainless Steel (psig) (Note 1,2)	
Quick Detachable Couplings "FHK Series"	ZSI-Foster HP/15M/10.15 Pages 43 thru 46	ASME B31.3 ASME B31.1 (Note 3)	1/8" NPT thru 1" NPT	1/8"	2000 psig at 300°F	2300 psig at 400°F	2300 psig at 400°F	-20
					954 psig at 400°F			
				1/4"	2000 psig at 300°F	2300 psig at 400°F	2300 psig at 400°F	-20
					954 psig at 400°F			
				3/8"	2000 psig at 300°F	2300 psig at 400°F	2300 psig at 400°F	-20
					954 psig at 400°F			
				1/2"	1700 psig at 300°F	2300 psig at 400°F	2300 psig at 400°F	-20
					901 psig at 400°F			
				3/4"	1700 psig at 300°F	2000 psig at 400°F	2000 psig at 400°F	-20
					901 psig at 400°F			
				1"	1500 psig at 300°F	2000 psig at 400°F	2000 psig at 400°F	-20
					795 psig at 400°F			

Note 1: In all cases the pressure-temperature ratings may be limited by the seat and seal materials. Consult literature.

Note 2: The following grades of material are covered by this CRN:

- Brass = ASTM B16-C36000 Brass
- Steel = ASTM A108 12L14 UNS G12144 Carbon Steel
- Stainless Steel or S.Steel = ASTM A582 UNS S30300 Stainless Steel

Note 3: In accordance with ASME B31.1 para 123.1.2(D) when this product is used under the ASME B31.1 code the owner must accept the use of the following non listed materials:

- Steel = ASTM A108 12L14 UNS G12144 Carbon Steel
- Stainless Steel or S.Steel = ASTM A582 UNS S30300 Stainless Steel

In all cases the above unlisted materials shall only be used for nonboiler external piping.

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