

2202 2nd Avenue Regina, SK S4R 1K3 Canada 1 (866) 530-8599 info@tsask.ca www.tsask.ca

## REGISTRATION OF A PRESSURE FITTING DESIGN

February 7, 2024

TSSA 345 Carlingview Dr. Toronto, ON Canada M9W 6N9

Attention: Cecylia Garbacz File Number: 100315

Re: Manufacturer: Branham Corporation

Item: Flexible Hose Assemblies

Catalog or Drawing: Per CRN Scope of Registration

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

0D15392.53 Expiry Date: 2033-12-21

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,

Athan Syrgiannis, P.Eng.

Codes and Standards Compliance

## Remarks:

CRN renewal. No changes to the original scope of registration.

A valid quality control program must be maintained at the production facility for the fitting registration to remain valid until the expiry date.

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

## \*\*Per Drawings

STATUTORY DECLAR		
Registration of Fitting	S	
Regina Haynes Corporate Director of Quality Control		
(Name and Position, e.g. President, Plant Manager, Chie	t Engineer)	
of Branham Corporation		
(Name of Manufacturer)		
Located at 633 Meriwether Ave, Louisville KY 40217 USA	502-366-0326	502-634-2899
(Plant Address)	(Telephone No.)	(Fax No.)
do solemnly declare that the fittings listed hereunder, which are subject to the and Pressure Vessels Regulation, comply with all of the requirements of ASME BVPC_IX, ASME B31.3	Technical Standards	s and Safety Act, Boilers
(Title of recognized North American Standard) which specifies the dimensions, materials of construction, pressure/temperature ratin	gs, identification marking	g the fittings and service;
or are not covered by the provisions of a recognized North American standard as supported by the attached data which pressure/temperature ratings and the basis for such ratings, the marking of the	identifies the dimension	ns, material of construction,
I further declare that the manufacture of these fittings is controlled by a quality system ISO 9001:2015 which has been verified by the following authority, HSB Registration. The items covered by this declaration, for which I seek registration, are category D this application, the following information and/or test data are attached as follows: Drawings, Calculations, test reports etc. (see attached)	meeting the requireme	nts of type fittings. In support of
(drawings, calculations, test reports, etc.)		
the 10th day of February AD 20 23.	£)	or Jefferson_
Commissioner for Oaths:  Januel, Brannam Kynf26181  Januel Brande  (Signature)	Signature of De	ectorer)
FOR OFFICE USE ONLY		
To the best of my knowledge and belief, the application meets the requirements of the <b>Technical Standards and Safety Act</b> , Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category	Registration No. OD	chnical  Ifety Authority Saskatchewan  15392.53
CRN;	e . tte:	100315 egistered
Registered by:		ruary 7, 2024 mber 21, 2033
Dated:		ards Compliance Office
NOTE: This registration expires on:		

\*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.

PV 09553 (04/17)

note Ser attached CRN Scope of Regis! Darled 11.24.2019

THIS IS PART OF CRN

0D15392.5R2

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety

Program

Technical
Safety Authority
of Saskattchevvan
OD15392.53
File No. 100315
Registered
Date: February 7, 2024
Ezpiry Date: December 21, 2033
Codes & Standards Compliance Office

Assy Burst

**CRN Scope of Registration** 

CKIN	Scope of Registration Codes & Standards Compliance Office	Pressure	Drawing number
Туре	Hose Assembly Full Description	PSI@70°F	-
CRN-1	1/2" x 24" OAL 316L SS Corrugated Metal Hose, 304SS Single Braid, 316SS MNPT x 316SS SCH40 Flange Retainer w/ 316SS 150 Lb. Lap Joint Flange	4600	CMH-TYPE1-A
CRN-2	1/2" x 24" OAL 316L SS Corrugated Metal Hose, 304SS Single Braid, 316SS F Cam and Groove x 316SS Sanitary	3200	CMH-TYPE1-B
CRN-3	3" x 24" OAL 316L SS Corrugated Metal Hose, 304SS Single Braid, 316SS MNPT x 316SS SCH40 Flange Reatainer w/ 316SS 150 Lb. Lap Joint Flange	1700	CMH-TYPE1-A
CRN-4	3" x 24" OAL 316L SS Corrugated Metal Hose, 304SS Single Braid, 316SS F Cam and Groove x 316SS Sanitary	1500	CMH-TYPE1-B
CRN-5	8" x 24" OAL 316L SS Corrugated Metal Hose, 304SS Single Braid, 316SS MNPT x 316SS SCH40 Flange Retainer w/ 316SS 150 Lb. Lap Joint Flange	1100	CMH-TYPE1-A
CRN-6	6" x 24" OAL 316L SS Corrugated Metal Hose, 304SS Single Braid, 316SS F Cam and Groove x 316SS Sanitary	625	CMH-TYPE1-B
CRN-7	1/2" x 24" OAL PTFE Lined Hose, Rubber Cover, 316SS MNPT x 316SS SCH40 Flange Retainer w/ 316SS 150 Lb. Lap Joint Flange	2600	TLH-TYPE2-A
CRN-8	1/2" x 24" OAL PTFE Lined Hose, Rubber Cover, 316SS F Cam and Groove x 316SS Sanitary	2400	TLH-TYPE2-B
CRN-9	2" x 24" OAL PTFE Lined Hose, Rubber Cover, 316SS MNPT x 316SS SCH40 Flange Retainer w/ 316SS 150 Lb. Lap Joint Flange	1200	TLH-TYPE2-A
CRN-10	2" x 24" OAL PTFE Lined Hose, Rubber Cover, 316SS F Cam and Groove x 316SS Sanitary	1250	TLH-TYPE2-B
CRN-11	1/2" x 24" OAL PTFE Convoluted Braided Hose, 316SS MNPT x 316SS SCH40, 316SS SCH40 Stubend x 316SS 150 Lb. Flange	6150	TLH-TYPE3-A
CRN-12	1/2" x 24" OAL PTFE Convoluted Braided Hose, 316SS Sanitary Fitting x 316SS Female Camlock	3100	TLH-TYPE3-B
CRN-13	2" x 24" OAL PTFE Convoluted Braided Hose, 316SS MNPT x 316SS SCH40 , 316SS SCH40 Stubend x 316SS 150 Lb.Flange	3000	TLH-TYPE3-A
CRN-14	2" x 24" OAL PTFE Convoluted Braided Hose, 316SS Sanitary Fitting x 316SS Female Camlock	1100	TLH-TYPE3-B
CRN-15	1" x 24" OAL Convoluted PTFE Braided Hose, 316SS Female Camlock Flare-Thru x 316SS Flare-Thru Stub End x 316SS 150 Lb. Flange	2425	TLH-TYPE4-A
CRN-16	2" x 24" OAL Convoluted PTFE Braided Hose, 316SS Female Camlock Flare-Thru x 316SS Flare-Thru Stubend x 316SS 150 Lb. Flange	1375	TLH-TYPE4-A
CRN-17	1" x 24" OAL Smoothbore PTFE Braided Rubber Covered Hose, 316SS Female Camlock Flare-Thru x 316SS Flare-Thru Stubend x 316SS 150 Lb. Flange	1800	TLH-TYPE5-A
CRN-18	2" x 24" OAL Smoothbore PTFE Braided Rubber Covered Hose, 316SS Female Camlock Flare-Thru x 316SS Flare-Thru Stub End x 316SS 150 Lb. Flange	1400	TLH-TYPE5-A
CRN-19	1" x 24" OAL PPL Composite Hose Assy, 316SS MNPT SCH40, 316SS SCH40 Stubend x 316SS 150 Lb. Flange	2400	CMP-TYPE6-A
CRN-20	1" x 24" OAL PPL Composite Hose Assy, 316SS Sanitary Fitting x 316SS Female Camlock	2400	CMP-TYPE6-B
CRN-21	3" x 24" OAL PPL Composite Hose, 316SS MNPT SCH40, 316SS SCH40 Stubend x 316SS 150 Lb. Flange	1225	CMP-TYPE6-A
CRN-22	3" x 24" OAL PPL Composite Hose Assy, 316SS Sanitary Fitting x 316SS Female Camlock	1100	CMP-TYPE6-B
CRN-23	1" x 24" UHMWPE Rubber Covered Hose Assy, 316SS Single Braid, 316SS MNPT x 316SS SCH40 Flange Retainer w/ 316SS 150 Lb. Lap Joint Flange	1800	HMW-TYPE7-A
CRN-24	1" x 24" UHMWPE Rubber Covered Hose Assy, 316SS Single Braid, F Cam and Groove x 316SS Sanitary	1900	HMW-TYPE7-B
CRN-39	2" x 24" UHMWPE Rubber Covered Hose Assy, 316SS Single Braid, 316 SS MNPT x 316SS SCH40 Flange Retainer w/ 316SS 150 Lb. Lap Joint Flange	1500	HMW-TYPE7-A
CRN-40	2" x 24" OAL UHMWPE Rubber Covered Hose Assy, 316SS Single Braid, F Cam and Groove x 316SS Sanitary	1500	HMW-TYPE7-B
CRN 25	3/4" x 24" Goodyear Flexsteel 250 Steamhose, 316SS MNPT, 316SS Ground Joint	5900	RBR TYPES A
CRN 26	3/4" x 24" OAL Eaton concord 250 Steamhose, 316SS MNPT, 316ss Ground Joint	5600	RBR-TYPE9-A
CRN-27	1/2" x 24" OAL PTFE Convoluted Non Flare-Thru SS Braided Hose Assy, 316 SS MNPT SCH 40, 316SS SCH 40 Stubend x 316SS 150LB Flange	4600	TLH-TYPE10-A
CRN-28	1/2" x 24" OAL PTFE Convoluted Non-Flare-Thru SS Braided Hose Assy, 316SS Sanitary Fitting x 316SS Female Camlock	2300	TLH-TYPE10-B
CRN-29	2" x 24" OAL PTFE Convoluted Non Flare-Thru SS Braided Hose Assy, 316SS MNPT SCH40 , 316SS SCH40 Stub End x 316SS 150 Lb. Flange	1600	TLH-TYPE10-A
CRN-30	2" x 24" OAL PTFE Convoluted Non Flare-Thru SS Braided Hose Assy, 316SS Sanitary Fitting x 316SS Female Camlock	1100	TLH-TYPE10-B
CRN-31	1/2" x 24" OAL PTFE Convoluted Non-Flare-Thru Poly Braided Hose Assy, 316SS MNPT SCH 40 x 316SS SCH40 Stubend x 316SS 150 Lb. Flange	1500	TLH-TYPE11-A
CRN-32	1/2" x 24" OAL PTFE Convoluted Non Flare-Thru Poly Braided Hose Assy, 316SS Sanitary Fitting x 316SS Female Camlock	1800	TLH-TYPE11-B
CRN-33	2" x 24" OAL PTFE Convoluted Non Flare-Thru Poly Braided Hose Assy, 316SS MNPT x 316SS SCH40 Stub End w/ 316SS 150 Lb. Flange	1200	TLH-TYPE11-A
CRN-34	2" x 24" OAL PTFE Convoluted Non Flare-Thru Poly Braided Hose Assy, 316SS Sanitary Fitting x 316SS Female Camlock	1000	TLH-TYPE11-B
CRN-35	1/2" x 24" OAL PTFE Smoothbore Braided Rubber Covered Non Flare-Thru Hose Assy, 316SS Sanitary Fitting x 316SS Female Camlock	3100	TLH-TYPE12-B
CRN-36	1/2" x 24" OAL PTFE Smoothbore Braided Rubber Covered Non- Flare-Thru Hose Assy, 316SS MNPT SCH40, 316SS SCH40 Stubend x 316SS 150 Lb. Flange	4200	TLH-TYPE12-A
CRN-37	2" x 24" OAL PTFE Smoothbore Braided Rubber Covered Non Flare-Thru Hose Assy, Hose, 316SS MNPT SCH 40, 316SS SCH40 Stubend x 316SS 150 Lb. Flange	2200	TLH-TYPE12-A
CRN-38	2" x 24" OAL PTFE Smoothbore Braided Rubber Covered Non Flare-Thru Hose Assy, 316SS Sanitary Fitting x 316SS Female Camlock	2100	TLH-TYPE12-B
CRN-41	3/4" x 6" to 600" 316L SS Corrugated Metal Hose Assy, 304SS Double Braid, 316SS 150# Raised Face Weld Neck Flange one end x 316SS 40A Stubend with 316SS	5000	FMH-TYPE1-B

CRN	Scope of Registration	Assy Burst Pressure	Drawing number
Туре	Hose Assembly Full Description	PSI@70°F	Drawing number
CRN-42	2" X 6" to 600" 316L SS Corrugated Metal Hose Assy, 304SS Double Braid, 316SS 150# Raised Face Weld Neck Flange one end x 316SS 40A Stubend with 316SS 1		FMH-TYPE1-B
CRN-43	6" x 6" to 600" 316L SS Corrugated Metal Hose Assy, 304SS Double Braid, 316SS 150# Raised Face Weld Neck Flange one end x 316SS 40A Stubend with 316SS 1		FMH-TYPE1-B
CRN-44	3/4" X 6" TO 600" 316L SS Corrugated Metal Hose Assy, 304SS Double Braid, 316LSS MNPT Each End		HYDCDRN-TYPE1-A
CRN-45	3/4" X 6" to 600" Novaflex 3555 Hydrocarbon Drain Hose with Campell Female Ground Joint Fitting Crimped Each End		HYDCDRN-TYPE2-A
CRN-46	2" x 6" to 600" 316L SS Corrugated Metal Hose Assy, 304SS Double Braid, 316SS 10A Stubend with 316SS 300# Flange each end and 304SS Internal Braid Liner		STMINJ-TYPE1-A
CRN-47	4" x 6" to 600" 316L SS Corrugated Metal Hose Assy, 304SS Double Braid, 316SS-10A Stubend with 316SS 300# Flange each end and 304SS Internal Braid Liner	1900	STMINJ-TYPE1-A
CRN-48	6" x 6" to 600" 316LSS Corrugated Metal Hose Assy, 304SS Double Braid, 316SS-10A Stubend with 316SS 300# Flange each end and 304SS Internal Braid Liner	1400	STMINJ-TYPE1-A
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	Technical Safety Authority of Saskatchewan
Registration No.	0D15392.53
File No.	100315
	Registered
Date:	February 7, 2024
Expiry Date:	December 21, 2033
Codes	& Standards Compliance Office

THIRD PARTY INSPECTOR: HSB Global Standards: I, the undersigned, and employed by The Hartford Steam Bolier Inspection and Insurance Company of Connecticut have inspected

Signature of Testing Hose Verification

Date

By signing this report neither the Inspector nor his employer makes any warranty, express or implied, concerning the item described in this report. Furthermore, neither the Inspector nor his employer shall be held liable in any manor for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

## THIS IS PART OF CRN

0D15392.5R2

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety

Program