

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

	DECLARATION n of Fittings	
Sue Abaza, Vice President Sales / Quality Control Manager	or ritings	
(Name and Position, e.g. President, Pla	nt Manager, Chief Engineer)	
of Tri-Canada Industries Ltd	3 ., <u></u> ,	I
(Name of Manufac	cturer)	
·	•	
Located at 1000 Edgeley Blvd #2, Vaughan, ON, L4K 4V4 (Plant Address)	905-677-9000	
(Figur Address)	(Telephone No.)	(Fax No.)
do solemnly declare that the fittings listed hereunder, which are and Pressure Vessels Regulation, comply with all of the require CSA B51 + Rubber Manufacturers Association Handbook	subject to the <i>Technical Star</i> ements of	ndards and Safety Act, Boilers
(Title of recognized North Amer which specifies the dimensions, materials of construction, pressure/ter	rican Standard) mperature ratings, identification r	marking the fittings and service;
or are not covered by the provisions of a recognized North Ameras supported by the attach pressure/temperature ratings and the basis for such ratings, the materials are considered by the provisions of a recognized North Ameras as supported by the attach pressure/temperature ratings and the basis for such ratings, the materials are considered by the provisions of a recognized North Ameras as supported by the provisions of a recognized North Ameras as supported by the attach pressure at the provisions of a recognized North Ameras as supported by the attach pressure at the provisions of a recognized North Ameras as supported by the attach pressure at the provisions of a recognized North Ameras as supported by the attach pressure at the pressur	ed data which identifies the dim	ensions, material of construction,
I further declare that the manufacture of these fittings is controlled by a q Quality Control which has been verified by the following authority, Tech		
The items covered by this declaration, for which I seek registration, are categor		type fittings. In support of
his application, the following information and/or test data are attached as follow Updated scope of registration dated for CRN OD9034.5R4	'S:	
(drawings, calculations, tes	t reports, etc.)	
Declared before me at the city of Vargham in the 38 m day of January AD 20 25.	he province	of Ontario
Commissioner for Oaths:		1
(Printed name) (Signature)	(Signatur	e of Declarer)
FOR OFFICE USE	ONI Y	
o the best of my knowledge and belief, the application meets the requirement	ents of the lords	oilers and
echnical Standards and Safety Act, Boilers and Pressure Vessels Regul	مالما	essure Vessels
SA Standard B51 and is accepted for registration in Category	Authority	licty Flogram
DNI:		
RN:	REGISTE	RED 3
egistered by:		
	C.R.N.: 0D9034.5ADD5	The second
Pated:	Signed:	Milliage
IOTE: This registration expires on:July 24, 2034	Date: January 21,	2025.

*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)

See registration letter for any terms and conditions for this registration.

January 21, 2025. TSSA



Tri-Canada Industries Ltd 1000 Edgeley Blvd #2 Vaughan, Ontario, L4K 4V4

THIS IS PART OF CRN

0D9034.5ADD5

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety

Program

6 January 2024

Scope of Registration Tri-Canada CRN OD9034.5R4

Description	Sizes	End Connections	Liquid, Air & Gas Service MAWP at RT	Max Temp
Pharmaline-N	1/2", 5/8", 3/4", 1", 1-1/4", 1-1/2", 2"	Tri-Clamp, Male NPT, Female JIC	230 psig	150 °C
WCS	3/8", 1/2", 5/8", 3/4", 1", 1-1/4", 1-1/2", 2"	Tri-Clamp, Male NPT, Female JIC	250 psig	230 °C
FGR	1/2", 3/4", 1", 1-1/2", 2"	Tri-Clamp, Male NPT	250 psig	121 °C
FGR	2-1/2", 3"	Tri-Clamp, Male NPT	150 psig	121 °C
TS	3/8"	Compression, Male NPT	250 psig	260 °C
Gates Stallion	2"	Tri-Clamp, Female JP/Nut	190 psig	149 °C
TLCT	1/2", 3/4", 1", 1-1/4", 1-1/2"	Tri-Clamp, Male NPT	250 psig	177 °C
TLCT	2", 2-1/2"	Tri-Clamp	200 psig	177 °C
Pure-Fit SBP	1/2"	Tri-Clamp, Male NPT	95 psig	260 °C
Pure-Fit SBP	3/4"	Tri-Clamp	75 psig	260 °C

Description	Sizes	End Connections	Liquid, Air & Gas Service MAWP at RT	Max Temp
Pure-Fit SBP	1"	Tri-Clamp, Male NPT	55 psig	260 °C
RubberFab RFRT	1/2", 3/4", 1", 1-1/2", 2"	Tri-Clamp, Male NPT	250 psig	149 °C
RubberFab RFRT	3"	Tri-Clamp	200 psig	149 °C
RubberFab RFSB	1/2"	Tri-Clamp	105 psig	195 °C
RubberFab RFSB	3/4"	Tri-Clamp, Male NPT	90 psig	195 °C
RubberFab RFSB	1"	Tri-Clamp, Male NPT	60 psig	195 °C
RubberFab RFCTLP	1/2", 3/4", 1", 1-1/2", 2"	Tri-Clamp, Male NPT	250 psig	177 °C

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Tri-Canada Industries Ltd 1000 Edgeley Blvd #2 Vaughan, ON, L4K 4V4

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Program

Updated Hose Component Part Numbers for Proof Tests CRN OD9034.5R4

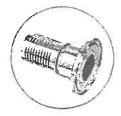
Hose	Size	Hose Part #	Crimp Ferrule #	Connection Part #	Х	Connection Part #
Pharmaline	1/2"	08-PHAN-GP	PL-08-01-DC	Fem JIC # AF-08-0-DC	Х	Triclamp # AF-08-11-DC-SF4, TC5050
	1"	16-PHAN-GP	PL-16-01-DC	Male NPT # AF-6-03-DC	Χ	Triclamp # AF-16-10/S-DC-SF4, TC1010
	2"	32-PHAN-GP	PL-32-01-DC	Triclamp # AF-32-10-DC-SF4, A-TC32	Χ	Triclamp # AF-32-10-DC-SF4, A-TC32
WCS	3/8"	2706WCS00	270600SKL	Male NPT # 160603SK0	Χ	Female JIC # 160602SKN
	2"	2732WCS00	273200SKL	Triclamp # A-TC32	Χ	Male NPT # 383203SK0
FGR	1/2"	HOSFGR-08	990800SK0	Triclamp # TC5050	Χ	Male NPT # 160803SK0
	3"	HOSFGR-48	994800SK0	Triclamp # A-TC48	Χ	Triclamp # A-TC48
TS	3/8"	1606TS400	160600SK0	Compression Tube Adapter w/ Nut	Χ	Male NPT # 160603SK0
				and ferrules # 160632FNS		
Gates Stallion	2"	4698-0014	993200FGR	Triclamp A-TC32	Х	Female JP/Nut # A-JPN32
TLCT	1/2"	3808TLCT0	380800SK0	Triclamp # 160811SK0, TC5050	Х	Male NPT # 160803SK0
	2.5"	3840TLCT-2.5	384000SK0	Triclamp # 384010SKE	Χ	Triclamp # 384010SKE
Pure-Fit SBP	1/2"	HOSSBP-08	880800SK0	Triclamp # 160811SK0	Х	Male NPT # 160603SK0
	3/4"	HOSSBP-12	881200SK0	Triclamp # TC7575	Χ	Male NPT # 381203SK0
	1"	HOSSBP-16	881600SK0	Triclamp # 381610SK0	Χ	Male NPT # 381603SK0

Hose	Size	Hose Part #	Crimp Ferrule #	Connection Part #	Х	Connection Part #
Rubberfab	1/2"	08RFT	08CL-FDAE	Triclamp # 08HB-08TC-SS	Х	Male NPT # 08HB-08MPT-SS
RFRT	2"	32RFT	32CL-RT-SS	Triclamp # 32HBL-32TC-SS	Х	Male NPT # 32HBL-32MPT-SS
	3"	48RFT	48CL-RT-SS	Triclamp # 48HBL-32TC-SS	Х	Triclamp # 48HBL-32TC-SS
Rubberfab	1/2"	08RFSB	08CL-SB-SS	Triclamp # 08HB-08TC-SS	Х	Male NPT # 08HB-08MPT-SS
RFSB	3/4"	12RFSB	12CL-SB-SS	Triclamp # 12HB-12TC-SS	Χ	Male NPT # 12HB-12MPT-SS
	1"	16RFSB	16CL-SB-SS	Triclamp # 16HB-16TC-SS	Χ	Male NPT # 16HB-16MPT-SS
Rubberfab	1/2"	08RFCTLP	08CL-CLTP-SS	Triclamp # 08HB-08TC-SS	Х	Male NPT # 08HB-08MPT-SS
RFCTLP	2"	32RFCTLP	32CL-CLTP-SS	Triclamp # 32HBL-32TC-SS	Χ	Male NPT # 32HBL-32MPT-SS

Versilon™ Fitting End Connections

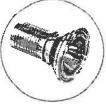
Sanitary

Sanitary clamp style, 316L stainless steel Style 10



Sanitary "jump" styles clamp style, 316L stainless steel

Style 10U - 1 step up Style 10UU - 2 steps up





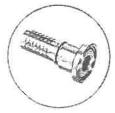


Sanitary clamp style 90° elbow. 316L stainless steel

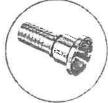
Style 10L Sanitary & hose barb same size



Sanitary "mini", 316L stainless steel Style 11



Sanitary "mini" jump size, 316L stainless steel Style 11U



Sanitary 90° elbow "mini", 316L stainless steel Style 11L Mini sanitary & hose barb same size

Note: 45° elbows also available full size (style 10L45) &



Bevel seat/nut. 316L stainless steel insert 304 stainless steel nut

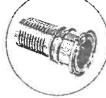
Style 20



"mini" size (style 11L45)

Sanitary "maxi" size for Sani-Tech® Rigid connections, 316L stainless steel

Style 25



Bevel seat, male threads, 316L stainless steel Style 40



ButtWeld, sanitary tube size 316L stainless steel Style 41

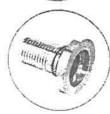






Female I-line, 316L stainless steel

Style 51



Fittings made from other materials such as high nickel alloys and PVDF are available. Contact us for more information.

Flanged Connections Class 150 Lap Joint Flanges Shown • Class 300 Lap Joint Flanges Available

316L Flange retainer with: 304 or 316L lap joint flanges Style 12S6 - 316L flange Style 12S4 - 304

PFA Encapsulated flange retainer: 304 or 316L stainless steel lap joint flange

Style 12T6 - 316L



flange retainer: fluoropolymer lined Style 12FTC -

"Flare-Thru"

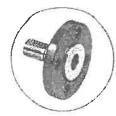
epoxy coated carbon steel



Style 12FT6 - 316L flange Style 12FT4 - 304 flange

Epoxy coated carbon steel lap joint flange Style 12C epoxy carbon steel flange

flange



PFA encapsulated flange retainer: Style 12TC epoxy coated

carbon steel



C/F for hose type with Flare-Thru flange option. Note: Class 300# flanged assemblies must be cross checked for hose/fitting pressure rating.

Male Cam & Groove

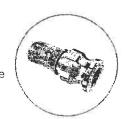
316L stainless steel male cam & groove

Style 17 - Male & hose barb same

Style 17U - Male is one size larger than Hose Barb



PFA Encapsulated male cam & aroove Style 17T - male & hose barb same size



Fluoropolymer encapsulated male cam & groove fittings available on selected hose styles & sizes. C/F for availability

Female Cam-Lock (Cam & Groove)

Female cam-lock, swivel style nonlocking arms 316L insert 316 stainless steel body Style 16



Female cam-lock, swivel style nonlocking arms PFA encapsulated insert with 316 stainless steel body

Style 16T



Female camlock swivel style locking arms 316L insert 316 stainless steel body Style 16LK



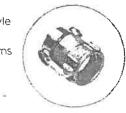
Female cam-lock. swivel style locking arms PFA encapsulated insert 316 stainless steel body Style 16TLK



Female camlock, swivel style locking and nonlocking arms "Flare-Thru" option

Style 16FTLK = locking arms

Style 16FTS6 - non-locking arms



Fluoropolymer Flare-Thru female cam & groove fittings available on selected hose styles & sizes. C/F for availability

Compression, O-Ring and Vacuum

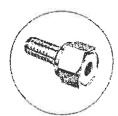
Compression connector 316L stainless steel

Style 31 1/4" to 1" sizes hose barb & connector same

size Step-up & step-down sizes available:

O-ring style 316L stainless steel 1/4"-1/2" sizes Style 33

C/F

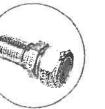


Compression connector w/nut & ferrules 316L stainless steel 1/4" to 1" sizes

Style 31FN Hose barb & connector same size Step-up & step-down sizes available: C/F

female 316L stainless steel 1/4" & 1/2" sizes

Style 34



Vacuum fitting, male 316L stainless steel 1/4" & 1/2" sizes

Style 35

Compression

to 1" sizes

Style 32

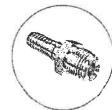
same size

tube adapter 316L

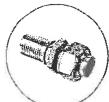
stainless steel 1/4"

Hose barb & tube

Step-up & step-



Vacuum fitting,



Compression tube adapter w/nut & ferrule 316L stainless steel 1/4" - 1" sizes

Style 32FN

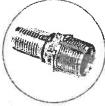
Available preswaged from factory





NPT

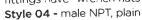
Male NPT; 316 L stainless steel hex style Style 03 - MNPT & hose barb same

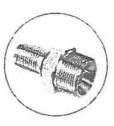


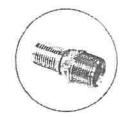
Male NPT jump sizes hex style: 316L stainless steel

Style 03U - step-up

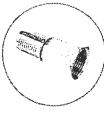
Style O3D - step-down 2-1/2" & larger fittings have "wrench flats"







Female NPT Style 06 - Hex style; 316L stainless steel Hose barb & female NPT same size Style 05 - female



NPT. plain

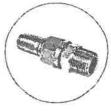
Unions/Female JIC

Male union 316L stainless steel JIC x male NPT

pipe adapter Style 08 - hose and MNPT barb same size

Style 08U - step-up Style 08D - step-down

ButtWeld, 316L stainless steel "pipe size" Style 01 Pipe size & hose barb same size. Length & pipe schedule can be custom manufactured. C/F



Female union 316L stainless steel JIC x female pipe adapter Style 07 - same

size FNPT pipe x hose barb

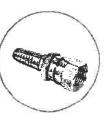
Style 07U - step-up Style 07D - step-down

Female JIC swivel 316L stainless steel insert, 304 stainless steel swivel nut Style 02 - JIC & hose barb same size



Female JIC swivel anti-torque style 316L stainless

Style 02HSN - JIC & hose barb same size



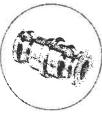
Versilon™ Adapters

PFA encapsulated 316 male cam & groove x 150# Lap joint (swivel) flange adapter Style 18T6 - 316L

stainless steel flange Style 18T4 - 304 stainless steel flange PFA encapsulated 316 male cam & groove x 150# lap joint (swivel) flange adapter Style 18TC epoxy coated carbon steel flange C/F for 300# flange



PFA encapsulated 316 stainless steel "spool" adapter for connecting two fluoropolymerlined female cam & groove fittings Style 19T





TSSA 345 Carlingview Drive Toronto, ON M9W 6N9 January 6, 2025

Re: Modification of existing CRN OD9034.5R4. Dated July 24, 2024. Expires July 24, 2034

Our aspects of the design and scope of this renewal are identical to our registration of OD9034.5R4 as issued by TSSA on July 24, 2024, the only change is location of our facility.

The following documents are enclosed with this cover letter.

- Completed application request for a Canadian Registration Number (CRN) in multiple jurisdictions for fittings D expansion joints/flexible connections/hose assemblies.
- Certificate number QA-00498
- Quality Control Manual for current address approved on Dec 27, 2024, expires on Oct 16, 2028
- Signed and notarized TSSA Statutory declaration form
- Two original, signed and notarized copies of Uniform Statutory Declaration Form for the Registration of Fitting Design
- Scope of registration with new address
- Hose Component Part Numbers
- Versilon fitting diagrams
- CRN Proof Test Pressure Calculation for hose assemblies Dated July 3, 2018
- Payment receipt for previous incorrect application Receipt # MASTERCARDPP-2024-09-15-004

Upon receipt and consideration of the above, please direct any questions to my email address sue@tricanada.com or please call 905-677-9000

Regards,

Sue Abaza

Vice President

Quality Control Manager

J. Assayon



345 Carlingview Drive Toronto, Ontario Canada M9W 6N9 Tel.: 416.734.3300 Fax.:416.231.6183

Toll Free: 1.877.682.8772

www.tssa.org

CERTIFICATE OF AUTHORIZATION

This is to certify the named company as having had the adequacy of their quality program verified for the scope shown below in accordance with the *Ontario Technical Standards and Safety Act, 2000* and the Boilers and Pressure Vessels Regulation.

Company Name: TRI-CANADA INDUSTRIES LTD.

1000 Edgeley Blvd Unite 2 Concord ON L4K 4V4

Canada

Scope: Fabrication of Non-Welded Category D type Fittings only at the Above

Location Only. In accordance with CSA Standard B51 Boiler, Pressure

Vessel and Pressure Piping Code.

Authorized: Dec 27, 2024

Expires: Oct 16, 2028

Certificate Number: QA-00498





Kim Semper, Director Boilers and Pressure Vessels Safety Program