



To:	TSSA	From:	Janet Townsend
Company:	Tri-Canada Industries Ltd.	Phone:	416-747-4291
Pages:	13	Location:	Toronto
Our File:	ANR-5256	Date:	March 4, 2019

Your File: 2477184

Subject: Request for Design Registration

Dear Ms. Francis,

CSA has reviewed the documentation submitted by TSSA on behalf of Tri-Canada Industries Ltd. These fittings have been registered by CSA for the Province of Québec. In accordance with an agreement between CSA, the Provinces of Québec and Saskatchewan; this registration is recognized by Quebec and Saskatchewan. These fittings are acceptable for use in these Provinces. The letters CSA will be applied as a prefix to the CRN indicate which fittings have been registered in this manner. A copy of the stamped Statutory Declaration is attached.

The CRN is CSA-0D9034.56ADD3.

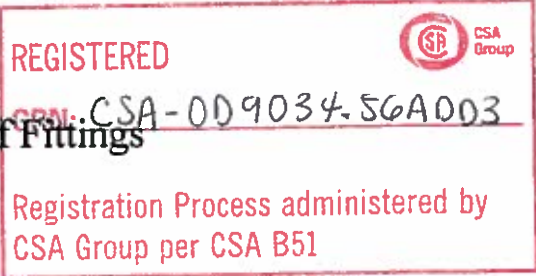
A copy of the Statutory Declaration with an original stamp affixed will be forwarded to you along with our invoice by regular mail.

Yours truly

A handwritten signature in blue ink that reads 'Janet Townsend'.

Janet Townsend
Program Manager
CSA Group

178 Rexdale Blvd.
Toronto, ON, M9W 1R3
Canada
www.csagroup.org



Statutory Declaration Registration of Fittings

(a) Design Qualification

I¹ Patti Spiteri, Vice-President, General Manager

(Position eg, president, plant manager, chief eng.)

Of Tri-Canada Industries Ltd.

(name of company)

Located at 20-7033 Telford Way, Mississauga, ON L5S 1V4

(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required: CSA B31. Rubber Mfg. Assoc. Handbook

Or

are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with _____ code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

(b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of Tri-Canada Industries Ltd., and has been verified by the following authority or authorized agency Toronto Standards & Safety Authority (TSSA)

The fittings² covered by this declaration, for which I seek registration, are Flexible Hose Assemblies (Category D)

In support of the application, the following information, calculations and/or test data are attached:

Declared before me at Mississauga

In the of Proxima of ON

The 18 Day of December 2018 AD 19

[Signature of Amaninder S. Parmar]

[Signature of Patti Spiteri]

Amaninder S. Parmar (Commissioner for oaths)
Barrister Solicitor & Notary Public

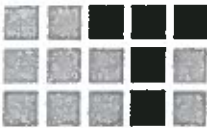
Signature of Declarer³

7033 Telford Way #9 Mississauga ON L5S 1V4 Tel: +1 (905) 672-8899 - Fax: +1 (905) 390-3650	For Official Use Only
The application is accepted for registration in Category <u>D</u> in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.	
This registration must be revalidated after ten (10) years from the date of acceptance. <u>Jul - 22 - 2024</u>	
Registered Number CRN <u>CSA - 009034-56A003</u>	For the Chief Inspector <u>R. W. Barnes</u> Date <u>Mar - 4 - 2019</u>

- 1 Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.
- 2 All fittings are required to be registered in the name of the Manufacturer.
- 3 This form shall be completed and signed by the president of highest official in the manufacturing plan where the fitting is produced.



*Note: See the attachment for the scope of the registration



**Technical Safety Authority
of Saskatchewan**

REGISTERED



CRN: CSA-009034.56ADD3

Process administered by
CSA Group per CSA B51

2202 2nd Ave.
Regina, SK S4R 1K3
PH: (306)798-7112 Toll Free: (866)530-8599
FAX: (306)787-9273 Toll Free: (866)760-9255
Email: boilerpermits@tsask.ca
Website: www.tsask.ca

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, Patti Spiteri

Vice-President, General Manager

(company title, e.g. vice president, plant manager, chief engineer)
(must be in a position of authority in the manufacturing plant where the fitting is produced)

of: Tri-Canada Industries Ltd.

(name of manufacturer)

located at: 20-7033 Telford Way

(Plant Address - Apt/Street)

Mississauga, On

(City, Prov)

L5S 1V4

(Postal Code)

do solemnly declare that the fittings listed hereinunder, which are subject to the **Saskatchewan Boiler and Pressure Vessel Safety Act** (check one)

Comply with the requirements of CSA B51 Rubber Mfg. Assoc. Handbook which specifies the dimensions,
(title of recognized North American Standard)
Materials of construction, pressure / temperature ratings and identification marking of the fittings, 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, materials of construction, pressure / temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, Toronto Standards & Safety Authority (TSSA) as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are Flexible Hose Assemblies (Category D)

In support of this application, the following information, calculations and / or test data are attached:

II. Declaration

DECLARED before me at Mississauga In the Province of ON

this 18 day of December 2018

(print name)

Amaninder S. Parmar

Barrister Solicitor & Notary Public

(Signature of Commissioner of Oaths) 7033 Telford Way #9

Mississauga ON L5S 1V4
(306) 299-2650

(Signature)

III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the **Boiler and Pressure Vessel Safety Act** and CSA B51, Clause 4.2, and is accepted for registration in Category D

CSA-009034.56ADD3

(Registration Number)

Mar - 4 - 2019

(Date Registered - MM DD YYYY)

(For the Administrator / Chief Inspector)

Jul - 22 - 2024

(Expiry Date - MM DD YYYY)

R.W. Barnes



TSK-1008
Rev. 10/2012
Page 1 of 1

*Note: See the attachment for the scope of the registration.



345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: 416.734.3300
Fax: 416.231.1625
Toll Free 1.877.682.8772
www.tssa.org

November 27, 2018

BRIAN SMITH
TRI-CANADA INDUSTRIES LTD.
7033 TELFORD WAY UNIT 20
MISSISSAUGA ON L5S 1V4
CA

Service Request Type: BPV-Fitting Registration
Service Request No.: 2441868
Your Reference No.: ADDENDUM TO CRN 0D9034.5
Registered to: TRI-CANADA INDUSTRIES LTD.

Dear BRIAN SMITH,

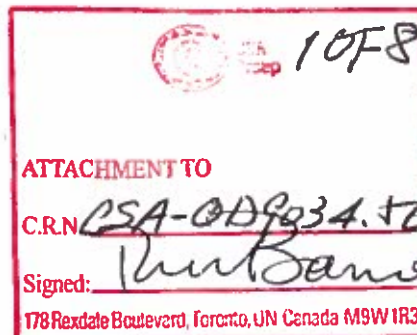
Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN No.: 0D9034.5ADD3
Main Design No.: SEE SCOPE OF REGISTRATION (14-NOV-18) - 2 PGS
Expiry Date: 22-Jul-2024

A stamped copy of the approved registration and invoice for engineering services will be sent to you shortly. Should you have any questions or require further assistance, however, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Zivko Gacevic P. Eng.
Mechanical Engineer, BPV
Tel.: 416-734-3429
Fax: 416-231-6183
Email: zgacevic@tssa.org





THIS IS PART OF
 CRNOD9034.5ADD2
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

Z. 6.
 11/27/18

Tri-Canada Industries Ltd
 7033 Telford Way #20
 Mississauga, Ontario, L5S 1V4

14-Nov-18

Updated Scope of Registration Tri-Canada CRN OD9034.5ADD2 Addendum #2

Description	Sizes	End Connections	Liquid, Air & Gas Service MAWP at RT	Max Temp
STHT-HP	1/2", 3/4", 1", 1 1/2" 2"	Tri-Clamp	150 psig	177 deg C
Pharmaline-N	1/2", 5/8", 3/4", 1" 1 1/4", 1 1/2", 2"	Tri-Clamp, Male NPT, and Female JIC	230 psig	150 deg C
WCS	3/8", 1/2", 5/8", 3/4" 1", 1 1/4", 1 1/2", 2"	Tri-Clamp, Male NPT, and Female JIC	250 psig	230 deg C
FGR	1/2", 3/4", 1", 1 1/2", 2", 2 1/2", 3"	Tri-Clamp and Male NPT	250 psig 150 psig	121 deg C
Food Master Xtreme 250SD CR	1", 1 1/2", 2", 2 1/2" 3" JCFB	Tri-Clamp and Male NPT	250 psig	110 deg C
TS	3/8"	Compression, and Male NPT	250 psig	260 deg C
Gates Stallion		Tri-Clamp and Female JP/Nut	190 psig	149 deg C
TLCT	1/2", 3/4", 1", 1 1/4", 1 1/2"	Tri-Clamp and Male NPT	250 psig	177 deg C

ATTACHMENT TO
 C.R.N. CSA-000034.56ADD3
 Signed: *[Signature]*
 178 Rexdale Boulevard Toronto, ON Canada M9W 1R3

7033 Telford Way #20
 Mississauga, Ontario
 L5S 1V4

www.tricanada.com

Phone: (905) 677-9000
 Toll-Free: (800) 486-7863
 Fax: (905) 677-4988

Description	Sizes	End Connections	Liquid, Air & Gas Service MAWP at RT	Max Temp
Hoses Added in Addendum #2		Z. G. 11/27/18		
TLCT	2" and 2 1/2"	Tri-Clamp	200 psig	177 deg C
Pure-Fit ZSV	1/2", 3/4", 1", 1 1/2", 2" 3"	Tri-Clamp & MNPT Tri-Clamp	105 psig 85 psig	177 deg C 177 deg C
Pure-Fit ZSM	1/2" 3/4", 1", 1 1/2", 2"	Tri-Clamp & MNPT Tri-Clamp	125 psig 100 psig	177 deg C 177 deg C
Pure-Fit SBP	1/2" 3/4" 1"	Tri-Clamp & MNPT Tri-Clamp Tri-Clamp & MNPT	95 psig 75 psig 55 psig	260 deg C 260 deg C 260 deg C
Pure-Fit SVP	3/4" 1", 1 1/2", 2"	Tri-Clamp Tri-Clamp & MNPT	125 psig 100 psig	260 deg C 260 deg C
Rubber Fab RFRT	1/2", 3/4", 1", 1 1/2", 2" 3"	Tri-Clamp & MNPT Tri-Clamp	250 psig 200 psig	149 deg C 149 deg C
Rubber Fab RFSB	1/2" 3/4" 1"	Tri-Clamp Tri-Clamp & MNPT Tri-Clamp & MNPT	105 psig 90 psig 60 psig	195 deg C 195 deg C 195 deg C
Rubber Fab RFCTLP	1/2", 3/4", 1", 1 1/2", 2"	Tri-Clamp & MNPT	250 psig	177 deg C

THIS IS PART OF
 CRN0D9034.5ADD3
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

7033 Telford Way #20
Mississauga, Ontario
L5S 1V4



Phone: (905) 677-9000
Toll-Free: (800) 486-7863
Fax: (905) 677-4988

ATTACHMENT TO

C.R.N. CSA-0D9034.5ADD3

Signed: [Signature]

178 Rexdale Boulevard, Toronto, ON Canada M9W1R3



345 Cadoganville Drive
Toronto, Ontario M6H 6M6
Tel: 416 734 3303
Fax: 416 231 1625
Toll Free: 1 877 682 8772

www.tssa.org

July 05, 2018

BRIAN SMITH
TRI-CANADA INDUSTRIES LTD.
7033 TELFORD WAY UNIT 20
MISSISSAUGA ON L5S 1V4
CA

Service Request Type: BPV-Fitting Registration
Service Request No.: 2326554
Your Reference No.:
Registered to: TRI-CANADA INDUSTRIES LTD.

Dear BRIAN SMITH,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

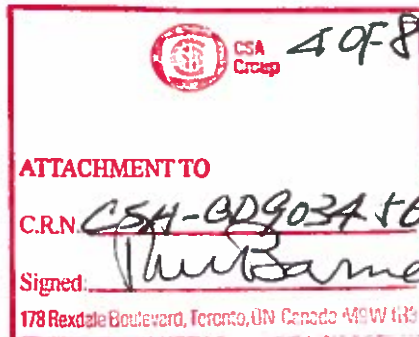
CRN No.: 0D9034.5ADD2
Main Design No.: ADDITIONAL HOSE ASSEMBLIES PER SCOPE OF REGISTRATION
Expiry Date: 22-Jul-2024

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

A stamped copy of the approved registration and invoice for engineering services will be sent to you shortly. Should you have any questions or require further assistance, however, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Zivko Gacevic P. Eng.
Mechanical Engineer, BPV
Tel: 416-734-3429
Fax: 416-231-6183
Email: zgacevic@tssa.org





Tri-Canada Industries Ltd
 7033 Telford Way #20
 Mississauga, Ontario, L5S 1V4

THIS IS PART OF
 CRN OD9034.5R002
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

Z.C. 7/5/18

Updated Scope of Registration for Tri-Canada CRN OD9034.5R1 Addendum 1
 July 3, 2018

Description	Sizes (Hose ID)	Liquid, Air & Gas Service M.A.W.P.	Maximum Temp	End Connections for all sizes
STHT-HP	1/2", 3/4", 1", 1 1/2", 2"	150 psig at RT	177 deg C	Tri-Clamp
Pharmaline-N	1/2", 5/8", 3/4", 1" 1 1/4", 1 1/2", 2"	230 psig at RT 230 psig at RT	150 deg C 150 deg C	Tri-Clamp, Male NPT, and Female JIC
WCS	3/8", 1/2", 5/8", 3/4" 1", 1 1/4", 1 1/2", 2"	250 psig at RT 250 psig at RT	230 deg C 230 deg C	Tri-Clamp, Male NPT, and Female JIC
FGR	1/2", 3/4", 1", 1 1/2", 2", 2 1/2", 3"	250 psig at RT 150 psig at RT	121 deg C 121 deg C	Tri-Clamp and Male NPT
Food Master Xtreme 250SD CR	1", 1 1/2", 2", 2 1/2", 3"	250 psig at RT	110 deg C	Tri-Clamp and Male NPT
TS	3/8"	250 psig at RT	260 deg C	Compression, and Male NPT
Gates Stallion	2"	190 psig at RT	149 deg C	Tri-Clamp and Female JP/Nut
TLCT	1/2", 3/4", 1", 1 1/4", 1 1/2"	250 psig at RT	177 deg C	Tri-Clamp

CSA Crcep 5078

ATTACHMENT TO
 C.R.N. CSA-OD9034.5R003

Signed: [Signature]

1788 Road, Mississauga, Ontario L5S 1V4
 www.tricanada.com

7033 Telford Way #20
 Mississauga, Ontario
 L5S 1V4

Phone: (905) 677-9000
 Toll-Free: (800) 486-7863
 Fax: (905) 677-4988



14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario
Canada M8X 2X4
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

July 22, 2014

MARILYN WALDEN
TRI-CANADA INDUSTRIES LTD.
7033 TELFORD WAY UNIT 20
MISSISSAUGA ON L5S 1V4
CA

Service Request Type: BPV-Fitting Registration
Service Request No.: 1426910
Your Reference No.:
Registered to: TRI-CANADA INDUSTRIES LTD.

Dear MARILYN WALDEN,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN No.: 0D9034.5R1

Main Design No.: CRN Renewal for Hose assemblies (see the attachment to the Statutory Declaration form for full scope of registration)

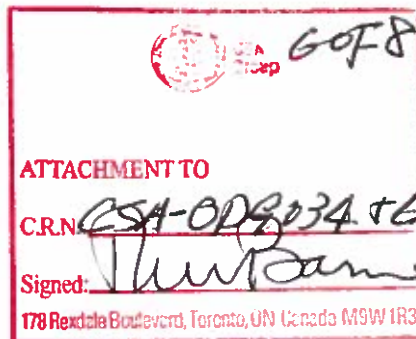
Expiry Date: 22-Jul-2024

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Mark Valcic P. Eng.
Engineer BPV
Tel.: 416-734-3494
Fax: 416-231-6183
Email: mvalcic@tssa.org





TECHNICAL STANDARDS &
SAFETY AUTHORITY
4th Floor, West Tower
3300 Bloor Street West
Toronto, Ontario
Canada M8X 2X4

November 26, 2003

ORIGINAL PROOF TESTS
2003

TRI-CANADA INDUSTRIES LTD.
Contact : RON SMITH
7033 TELFORD WAY
MALTON, ON
L5S 1V4

Dear Sir/Madam,

Re: Your Design No: Investigation No. 2003-02, 04 to 08, 10 and 13 to 16
Our Reference No: BPV-D-03-00659

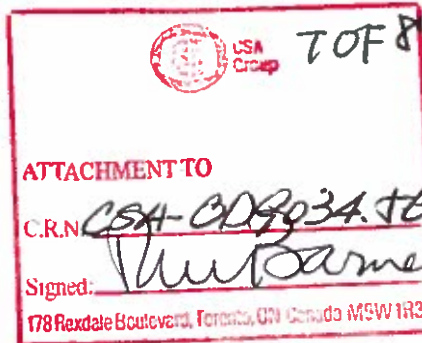
The above design has been registered under CRN : 0D9034.5 . A stamped copy of your statutory declaration form is enclosed.

Notes:

Scope of registration:
Investigation No. 2003-02, 2003-13, 2003-04, 2003-05, 2003-14, 2003-15, 2003-08, 2003-16, 2003-10, 2003-06 and 2003-07.

Yours truly,

Caslav Dinic
Tel. No.: (416) 325-0764
Fax No.: (416) 326-1662
cdinic@lssa.org



Tri-Canada

7033 TELFORD WAY
 MISSISSAUGA, ONTARIO L5S 1V4
 TEL (905) 677-9000 FAX (905) 677-1988

SCOPE OF REGISTRATION

Investigation No.	Description	Size	End Connection	Liquid, Air & Gas Service M.A.W.P.	Maximum Temperature
2003-02	Page Rubber Covered FP	1½"	Tri-Clamp	250 psig	100 °F
2003-13	Pureflex Multiflex	½"	Tri-Clamp or MNPT	250 psig	100 °F
2003-04	Pureflex Multiflex	¾"	Tri-Clamp or MNPT	250 psig	100 °F
2003-05	Pureflex Multiflex	2", 1½", 1"	Tri-Clamp or MNPT	250 psig	100 °F
2003-14	Pureflex Multiflex	1"	Tri-Clamp or MNPT	250 psig	100 °F
2003-15	Pureflex Multiflex	2"	Tri-Clamp or MNPT	250 psig	100 °F
2003-08	TLCT	1"	Tri-Clamp	250 psig	100 °F
2003-16	TLCT	1½"	Tri-Clamp	250 psig	100 °F
2003-10	WCS	1½"	Tri-Clamp	250 psig	100 °F
2003-06	Food @ Beverage Master	2"	Tri-Clamp	250 psig	100 °F
2003-07	FGR	2"	Tri-Clamp	250 psig	100 °F


 CSA Group **80F8**

ATTACHMENT TO
C.R.N. CSA-009034-564DD3
 Signed: *Mark James*
 178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3



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.
7033 TELFORD WAY
UNIT 20
MISSISSAUGA ON L5S 1V4
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: 17-OCT-2018

Expires: 16-OCT-2023

Certificate Number: QA 00498



Director
Boilers and Pressure Vessels Safety Program

TECHNICAL STANDARDS AND SAFETY AUTHORITY

178 Rexdale Blvd.
Toronto, Ontario
Canada M9W 1R3
Tel: (416) 747-4000
www.csagroup.org



March 2017

CRN – Canadian Registration Numbers - Saskatchewan

The Province of Saskatchewan participates with Quebec and the Canadian Standards Association (CSA Group) for the registrations of “Fittings”.

Per an agreement with CSA Group in April 1998, Saskatchewan recognizes registrations done by CSA Group and accepts such fittings for use in Saskatchewan.

The letters “CSA” are applied as a prefix to the CRN to indicate which “Fittings” have been registered in this manner. You should inform your clients of this additional marking requirement and that “Fittings” registered by CSA Group are accepted for use in Saskatchewan Canada.