

TECHNICAL STANDARDS & SAFETY AUTHORITY
14TH FLOOR CENTRE TOWER-3300 BLOOR STREE
TORONTO ON M8X 2X4

Date: October 30, 2015

Account #: 35231

Journal #: 63888

Our File #: 5560432

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR No. 1735560, for a Fitting is accepted for registration as follows:

Registered To: TWIN CITY HOSE INC

CRN: 0D17959.51

Drawing #: per Scope of Reg'n Shts 2 pgs

Conditions Of Registration:

Registration of V Connectors, U Loops & Metal Hoses per 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:

As required by CSA B51 4.2.1, this registration expires on September 23, 2025. 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:

MANITOBA

DEPARTMENT OF LABOUR
AND IMMIGRATION
500 - 401 York Avenue
Winnipeg, Manitoba R3C 0P8



STATUTORY DECLARATION REGISTRATION OF FITTINGS

(a) Design Qualification

I, Michael A. Lowe

(See Note 2)

General Manager

(Position e.g.: president, plant manager, chief eng.)

of Twin City Hose, Inc.

(Name of company)

located at 20615 Commerce Blvd. Rogers, MN 55374

(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.

or

are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with
Industry _____ code or 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
ISO 9000 _____, and has been verified by the following authority or authorized agency _____.

The fittings covered by this declaration, for which I seek registration, are Stainless Steel Metal Braided Flexible Connectors

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

Manufacturers Catalog and submittal information

DIANNE M. HALLMAN

NOTARY PUBLIC-MINNESOTA

My Commission Expires Jan. 31, 2011

Declared before me at Twin City Hose in the province/state of Minnesota

the 11

day of June AD 20 07

A (commissioner for oaths)

Dianne M. Hallman
6/11/07

MAL
Signature of Declarer

(For Official Use Only)

The application is accepted for registration in Category _____ 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.

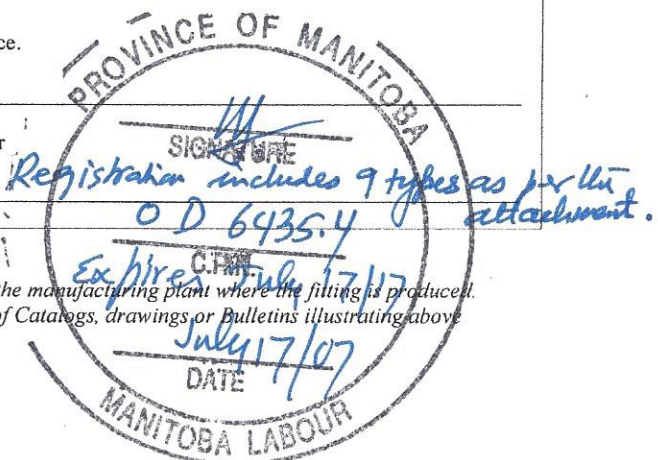
Registered Number CRN _____

For the Chief Inspector

Date: _____

Notes:

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





the pressure equipment safety authority

**Celebrating 20 years
1995 – 2015**

**9410 - 20 Ave N.W.
Edmonton, Alberta, Canada T6N 0A4
Tel: (780) 437-9100 / Fax: (780) 437-7787**

October 29, 2015

Attention: Tanya Francis
TECHNICAL STANDARDS & SAFETY AUTHORITY
3300 BLOOR STREET WEST
14 FLOOR CENTRE TOWER
TORONTO, ON M8X 2X4

The design submission, tracking number 2015-07482, originally received on October 15, 2015 was surveyed and accepted for registration as follows:

CRN : 0D17959.52

Accepted on: October 29, 2015

Reg Type: New Design

Expiry Date: September 23, 2025

Drawing No. : METAL HOSES - SEE SCOPE OF REGISTRATION (2 PAGES) Rev -

Fitting type: METAL HOSES

Design registered in the name of : TWIN CITY HOSE INC

The registration is conditional on your compliance with the following notes:

This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form. This registration is valid only until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

- This registration has been issued:

1. Based on TSSA's review.
2. Based on the Association of Chief Inspectors Policy on Reciprocal Recognition of Design Review for Vessel Design Registration of August 1997.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

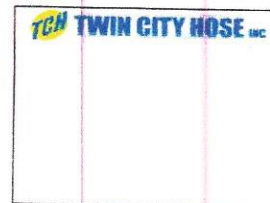
If you have any question don't hesitate to contact me by phone at (403) 291-7071 ext 2220 or fax (403) 291-4545 or e-mail shi@absa.ca.

Sincerely,

SHI, HUBERT



STATUTORY DECLARATION
Registration of Fittings



I, Marcus Kenna,

Sales and Marketing Manager

(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of Twin City Hose Inc.

(name of manufacturer)

located at 20615 Commerce BLVD. Rogers, MN

(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

☒ comply with the requirements of ASTM and ASME B31.3 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 manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, DEMARC Quality Inspection Serv as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are Metal Hose Flange/NPT/Weld/Swt

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

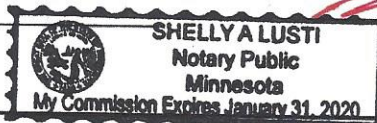
Twin City Hose V Connectors, U Loops and Metal Hose with Stainless, Copper, Bronze and Carbon Steel components

DECLARED before me at Twin City Hose in the County of Hennepin

this 21st day of September, 2015
(Month) (Year)

(print) Marcus Kenna

(sign) Shelly A. Lusti
(A Commissioner for Oaths)



(Signature of Applicant)

For Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category _____

Registration Number: 0D17959 52

Date Registered: OCT 29 2015

(For the Administrator/Chief Inspector of Alberta)

Expiry Date: September 23, 2025



To:	TSSA	From:	Janet Townsend
Company:	Twin City Hose Inc	Phone:	416-747-4291
Pages:	5	Location:	Toronto
Our File:	ANR-3790	Date:	December 29, 2015

Your File: 1735568

Subject: Request for Design Registration

Dear Ms. Francis,

CSA has reviewed the documentation submitted by TSSA on behalf of Twin City Hose Inc.

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-0D17959.56.

The cost for this service is \$ 760.00 plus HST.

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
Account Manager
CSA Group
www.csagroup.org



TECHNICAL STANDARDS &
SAFETY AUTHORITY
14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario
Canada M8X 2X4

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



STATUTORY DECLARATION

Registration of Fittings

I, Michael Lowe

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Twin City Hose Inc.

(Name of Manufacturer)

Located at 20615 Commerce BLVD. Rogers, MN

(Plant Address)

763-428-5100

(Telephone No.)

763-428-5111

(Fax No.)



do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of
ASTM and ASME B31.3

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings; identification marking the fittings and service;



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, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of CSA B51 Appendix "H"
and ASME Section B31.3 which has been verified by the following authority, DEMARC Quality Inspection Services LLC

The items covered by this declaration, for which I seek registration, are category D type fittings. In support of
this application, the following information and/or test data are attached as follows:

Twin City Hose V Connectors, U Loops and Metal Hose with Stainless, Copper, Bronze and Carbon Steel components

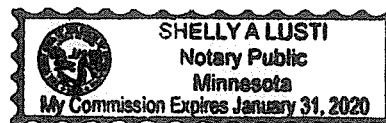
(drawings, calculations, test reports, etc.)

Declared before me at Twin City Hose, Inc. in the County of Hennepin
the 21st day of September AD 20 15

Commissioner for Oaths:

Shelly Lusti
(Printed name)

Shelly Lusti
(Signature)



Shelly A. Lusti
(Signature of Declarer)

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To the best of my knowledge and belief, the application meets the requirements of the
Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and
CSA Standard B51 and is accepted for registration in Category D

CRN:

CSA-0017959.56

Registered by:

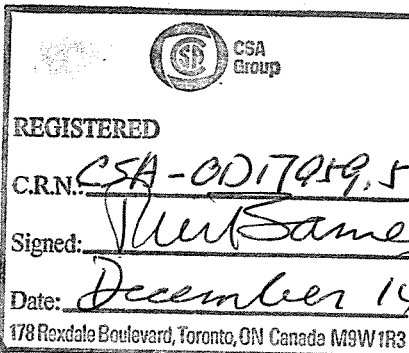
R. BARNES

Dated:

DECEMBER 14 2015

NOTE: This registration expires on

SEP 23 2020





N-N, SEPT. 23, 2015



DAMARC

Certificate TCH-1

Quality Inspection Services, LLC

Certifies that

TWIN CITY HOSE, INC.
20615 Commerce Blvd.
Rogers, MN 55374

Was audited and has successfully implemented the Quality Program which meets CSA B51 Appendix "H" and ASME Section B31.3 as applicable.

Certified on this **10 day of December, 2014**

December 10, 2014

Date

Mark Rudek

Mark Rudek President NB 9713, N, A, B
DAMARC Quality Inspection Services, LLC
ISO9001 LA, IRCA-A005875, RAB-Q02385

Damarc Quality Inspection Services LLC is accredited under ASME QAI-1, ASME Certificate AIA-041 Issued 08/18/11, Expires 08/18/17
Damarc is accredited by ANAB- Aclass Corporation to ISO 17020, Third Party Inspection Agency, Certificate Number: AI - 1377 Expires February 17, 2015

This certification expires December 10, 2017



Saskatchewan
Municipal
Government

Saskatchewan

Procedural Services
330 - 1851 Victoria Avenue
Regina, Saskatchewan
S4P 3V7

787-4509

April 23, 1998

Re: Fittings Registration

The Province of Saskatchewan will be participating with Quebec, Manitoba and the Canadian Standards Association (CSA) in a pilot project for the registration of fittings. We will recognize registrations done by CSA and accept such fittings for use in Saskatchewan.

The letters CSA will be applied as a prefix to the CRN to indicate which fittings have been registered in this manner. I would appreciate if you could inform your clients of this additional marking requirement.

You may also inform your clients that fittings registered by CSA are accepted for use in Saskatchewan.

Yours truly,


N. Surtees, P. Eng.
Executive Director