

505 - 6th Street, Suite 200 New Westminster, BC V3L 0E1

> Toll Free: 1-866-566-SAFE Fax: (778) 396 - 2064 www.safetyauthority.ca

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	
Michael A. Lowe	
(See Note 2)	
General Manager	
(Position e	e.g.: president, plant manager, chief eng.)
of Twin City Hose, Inc.	
(Name of c	company)
located at 20615 Commerce Blvd. Rogers, MN 55374	
(Plant Add	ress)
do solemnly declare that the fittings listed hereunder, which are subject	t to the Boilers & Pressure Vessels Act,
comply with all the requirements of the ANSI/ASME codes or	as to their dimensions.
are not covered by the provisions of the ANSI/ASME codes,	and are therefore constructed to comply with
Industry code or standar	d, and are designed to the best current
engineering practice, as shown by the supporting test data.	
(b) Quality Control of Manufacture	2
I further declare the manufacture of these fittings is controlled by a qua	
The fittings covered by this declaration, for which I seek registration, a	re Stainless Steel Metal Braided Flexible Connectors
In support of the application, the following information, calculations are supported to the application, the following information and submittal information DHANNE H. HALLMAN NOTARY FUBLIC-MINNESOTA My Commission Expires Jan. 31, 2011 My Commission Expires Jan. 31, 2011 All your provided the application, the following information, calculations are supported to the provided t	
Dianne M Hallma J	Signature of Declarer
The application is accepted for registration in Category and CSA Standard B51.	in accordance with the Boilers and Pressure Vessels Act
This registration must be revalidated after ten (10) years from the date of	of acceptance.
Registered Number CRN For the Chi-	ef Inspector Registration includes 9 types as pr
Notes: (1) This form shall be completed and signed by the president or highest (2) <u>Two</u> completed copies of Statutory Declaration form together with <u>t</u> fittings shall be submitted.	official in the manufacturing plant where the filting is produced. wo copies of Catalogs, drawings or Bulletins illustrating above



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

TOH TWIN CITY HOSE ...





STATUTORY DECLARATION Registration of Fittings

I Morous Vanas
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 III conserved Matal II against a series of the conserved at the conserved of t
Twin City Hose V Connectors, U Loops and Metal Hose with Stainless, Copper, Bronze and Carbon Steel components
DECLARED L.C
DECLARED before me at Twin City Hose in the County of Hennepin
this 21st day of September (Year), 2015
(print) Marcus Kenna
(sign) A. Leste Notary Public Minnesota (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: 0017959 52
Date Registered: OCT 2 9 2015 (For the Administrator/Chief Inspector of Alberta)
Date Registered: Expiry Date: September 23, 202:

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Boiler Discipline.



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

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 DEC Registration of		The second secon
Michael Lowe	-	in any control of the
(Name and Position, e.g. President, Plant Mana	ager, Chief Engineer)	
of Twin City Hose Inc.		and the state of t
(Name of Manufacturer)		
2004F Comment PLVD Down AM	700 400 5400	700 400 5444
Located at 20615 Commerce BLVD. Rogers, MN	763-428-5100	763-428-5111
(Plant Address)	(Telephone No.)	(Fax No.)
do solemnly declare that the fittings listed hereunder, which are subjet and Pressure Vessels Regulation, comply with all of the requirement ASTM and ASME B31.3	ect to the <i>Technical Standard</i> its of	ds and Safety Act, Boilers
(Title of recognized North American S		
which specifies the dimensions, materials of construction, pressure/tempera	ture ratings, identification markin	ng the fittings and service;
or are not covered by the provisions of a recognized North American as supported by the attached da pressure/temperature ratings and the basis for such ratings, the marking	ta which identifies the dimension g of the fitting for identification	ons, material of construction, and service.
I further declare that the manufacture of these fittings is controlled by a quality and ASME Section B31.3 which has been verified by the following authority, DEMARC		
The items covered by this declaration, for which I seek registration, are category D	duality inspection convides	type fittings. In support of
this application, the following information and/or test data are attached as follows:		_ type illurigs. arsupportor
Twin City Hose V Connectors, U Loops and Metal Hose with Stainless, Copper, I	Bronze and Carbon Steel comp	onents
(drawings, calculations, test report	<u>-</u>	Offerits
(5.01/192)	A	
Declared before me at Twin City Hose Inc in the	County	of Henry
ho 215t day of 504 / 8 AD 20 15		
the day of _eptember_AD 20 15	W ART SEA	LYALUSTI
Commissioner for Oaths:		ary Public innesota
Sommissioner for Gauss.	My Commission Expin	
Shelly Last		
(Printed name)		
July Lante	Shilly A. La	Stu
(Signature)	(Signature of E	Declarer)
	11.75	
FOR OFFICE USE ON		
o the best of my knowledge and belief, the application meets the requirements of	E	CSA Group
echnical Standards and Safety Act, Boilers and Pressure Vessels Regulation	, and	A contracting
SA Standard B51 and is accepted for registration in Category	REGISTERED	
CSA- OD17959, SG	2-4 1	2700
NN.	C.R.N.C.SA - O	011424,24
Registered by: R. BARNES	Signed: Value	Same
Dated: DECEMBER 14-2015	Date: Decen	nler 14,2
NOTE: This registration expires on SEP 23	178 Rexdale Boulevard, Toront	to, ON Canada M9W1R3

PV 09553 (06/04)

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



CEN 0017959.5

College C. Francous 1 1. Sept. 23. 2015

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End Fatting		Carbon Steel Still 40 Male NP.	Carbon Steel Sch 40 Male NPT	Carbon Steel Sch 40 Male NPT	Carbon Steel Sch 40 Male NPT	Carbon Steel Sch 40 Male NPT	Carbon Steel Sch 40 Male NPT	Carbon Steel Sch 40 Male MPT	Carbon Steel Sch 40 Male NPT	Carbon Steel Sch 40 Male NPT	End Filling	Carbon Steel Sch 40 Pipe	Carbon Steel Sch 40 Pipe	Carbon Steel Sch 40 Pine	Carbon Steel Sch 40 Pine	Carbon Steel Sch 40 Pine	Carbon Steel Sch 40 Pine	Carbon Steel Sch 40 Pine	Carbon Steel Sch 40 Pipe	Carbon Steel Sch An Ding	Carbon Steal Sch 40 Ding	Carbon Steel Sch 40 Bins	Carbon Steel Sch Att Dine	Carbon Steel Sch Aft Bing	Carbon Steel Sch 40 Pine	Carbon Steel Sch 40 Pine	Carbon Steel Sch 40 Plop	End Fitting	Carbon Steel 150# 8ESO Elana	Carbon Steel 1504 RESO Flance	Carbon Steel 1508 REG Clara	Carbon Steel 1509 REO Elange	Carbon Steel 150# RFSO Flagge	Carbon Steel 150# RFSD Flance	Carlon Steel 1509 BESO clause	Carbon Steel 150# RFSO Flance	Carbon Steel 150# RFSO Flange	End Fltting	Copper Sweat C12200	Conner Sweat C12200	Copper Super Clance	Copper Sweet Catagor	Copper Sweat C12200	Conner Sweat C12200	Conner Cuest Canada	Copper Sweat CAZZOO	Copple sweat C12200	Copper Sweet CA2200	End Elition	Carlon Stool 150M Occo clause	Carbon Steel 150W BESO Flamps	Carbon Steel 1504 BCO Elean	Carbon Steel 150k pero riange	Carbon Steel 150N BESO FLANS	Calculater 150# hrso riange	Carbon Steel 150# RF50 Flange	Carbon Steel 150# RFSO Flange	Carbon Steel 150ff RFSO Flange	Carbon Steel 150# BEO Flange	Carbon Steel 150k RECO flangs	Carbon Stee 150# RESO Flance	Carbon Steel 150# RESO Flanne	Carbon Steel 150# RFSO Flange	Carbon Steel 150# RFSO Flange	Carbon Steel 150# RF5O Flange	Carbon Steel 150# RFSO Flange	Carbon Steel 150# RFSO Flange	End Fitting	Carbon Steel 150# RFSO Flange	Carbon Steel 150# RFSO Flange	Carbon Steel 150# RFSO Flange	Carbon Steel 1504 RF50 Flange	Carbon Steel 150# RFSO Flange	٥.	Carbon Steel 150# RFSO Flange	Carbon Steel 150# RESO Flange	Co.f. Citalog	Carlon Stool Sal. 40 84-1, story	Carbon Steel Sch 40 Male NPT	Carbon Steel Sch 40 Male NPT	Carbon Steel Sch 40 Male NPT	Carbon Steel Sch 40 Male NPT	Carbon Steel Sch 40 Male NPT	Carbon Steel Sch 40 Male NPT	Carbon Steel Sch 40 Male NPT	
Standard	ASTM A240/A580 - ISO 10380	ASTM A240/AS80 - ISO 10380	ASTM A240/AS80 - ISO 10380	ASTM A240/AS80 - ISO 10380	ASTM A240/ASB0 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380		ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - 15O 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	Standard	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	Standard	ASTM 8100/8103	ASTM 8100/8103/8139	ASTM 8100/8103/8139	ASTM 8100/8103/8139	ASTM 8100/8103/8139	ASTM B100/B103/B139	ASTM 8100/8103/8139	ASTM B100/B103/B139	ASTM 8100/8103/8139	ASTM B100/8103/8139	Standard	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM 4240/4580 - 150 10380	ASTM 42/40/4580 - 150 10300	ASTM A240/A580 150 10380	ASTM A240/A580 - 150 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	A5TM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - 150 10380	AS1M A240/A580 - 150 10380	Maindard	4280	ASIM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380	ACTAL AD40/ASBG : ISO 10380	ASTM A240/A580 - 150 10380	ASTM A240/A580 - ISO 10380	ASTM 4240/4580 - 150 10380	ASTM AZ40/AFBD ISO 10380	Standard	ASTM A240/A580 - ISO 10380	ASTM A240/A580 - ISO 10380			H									
ISTRACT.	1 Stainless Steel / Braid T304 Stainless Steel	1 Stainless Steel / Braid T304 Stainless Steel	1. Stafniess Steel / Braid T304 Stainless Steel	1.1 Stainless Steel / Braid Tad4 Stainless Steel	Hose 321 Stanface Steel / Braid T304 Stainless Steel	1 Stainlare Stool / Besid 1304 Stainless Steel	Latainiess sieer/ Braid Laug Stainiess Steel	L Statiness Steel / Braid 304 Stainless Steel	1. Stainless Steel / Braid T304 Stainless Steel	A Statilless Steel / Braid 1 304 Stainless Steel	1 Challes Charl & Barrell Street	Lawrings Steel / Braid 1909 Stainless Steel	L Staithers Steel / Braid T304 Stainless Steel	L Statistics Steel / Braid Laua Stainless Steel	Laterinitiss steel / Braid 1904 Stainless Steel	L Stainless Steel / Braid TBD4 Stainless Steel	L Stainless Steel / Braid T304 Stainless Steel	1 Stainless Steel / Braid T304 Stainless Steel	Lotathiess Steel / Braid 7304 Stainless Steel	1 Stainless Steel / Braid T304 Stainless Steet					Hose 321 Stainless Steel / Braid T304 Stainless Steel				1 Stainless Steel / Brald T304 Stainless Steel	1 Stainless Steel / Braid T304 Stainless Steel	1 Stainless Steel / Braid T304 Stainless Steel	1 Stainless Steel / Braid T304 Stainless Steel	1 Stainless Steel / Braid T304 Stainless Steel			Hose 321 Stainless Steel / Braid T304 Stainless Steel			pper Alloy CS1000(95/5) / Brald Bronze C22000(90/10)	pper Alloy C51000(95/5) / Brald Bronze C22000(90/10)	pper Alloy C51000(95/5) / Braid Bronze C22000(90/10)	oper Alloy CS1000(95/5) / Braid Branze C22000(90/10)	oper Allay C51000(95/5) / Braid Bronze C22000(90/10)	Hose Copper Alloy C51000(95/5) / Braid Bronze C22000(90/10)	oper Alloy C51000(95/5) / Brald Bronze C22000(90/10)	oper Allay C51000(95/5) / Braid Bronze C22000(90/10)	oper Alloy CS1000(95/5) / Braid Bronze C22000(90/10)	sper Alloy CS1000(95/5) / Braid Bronze C22000(90/10)							-				Hose 321 Stainless Steel / Braid T304 Stainless Steel								Tarid	Stainless Steel / Braid Tand Stainless Steel	Stainless Steel / Braid T304 Stainless Steel										Hose 321 Stainless Steel / Braid T304 Stainless Steel							
The East of the Country of the Count	1/4" Hose 321	3/8" Hose 321	1/2" Hose 323	15/4" HOSe 323	1-1/4" / Hore 321		211	l.	2-1/2 Hose 321	Street. ID Hore & B.	1/4" Born 271	L	L	3/4"			1-1/4 HOSE 521		7-1/20 HOSE 321	2/77 HOSE 321	Hose 321	4 Hose 321	5 Hose 321	b Hose 321	8" Hose 321	12# HOSe 321	175 95011	Direct - In Leave to Direct	Z Hose 321	Z-1/2" Hose 321	3" Hose 321	4 Hose 321	- Hose 321	0 Hose 321	8- Hose 321	10" Hose 321	175 HOSe 371	9		3/8" Hose Copi				1-1/4" Hose Cop		ļ	2-1/2" Hose Copy	ł	- [5" x 2-1/2" Hose 321			6"x 3" Hose 321.	i	1	8"x4" Hose 321		1		l.	L	İ	2-1/2" Hose 321 S	1	4" Hose 321 5	5" Hose 321.5	6" Hose 321.5	8" Hose 321 5	10" Hose 321 S		Stres-10 Hare A Bro		3/8" Hose 321 S	. .				2" Hose 321 S		
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ATTACHMENT TO

2.9-2100

CRN: CSA-OD: 79+9,+6 Signed: VIII Same

N-M, SEPT. 23, 2015

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		ASTM A240/A580 - ISO 10380 ASTM A240/A580 - ISO 10380 ASTM A240/A580 - ISO 10380			-	ASME B16.9 - ASTM A234 ASME B16.9 - ASTM A234	17.00 to 70.0 1985 650
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				l	•	ASME 816.9 - ASTM A234	241
						ASME B16.9 - ASTM A234	241
				l		ASME 016.9 - ASTM A234	241
						ASME B16.9 - ASTM A234	493
				ļ		ASME BIG.9 - ASTM A234	493
				ļ		ASME BIDGS - ASIM AZBA	167
				١		ASME B16.9 - ASTM A234	167
				1		ASME B16.9 - ASTM A234	page.
						ASME 816.9 - ASTM A234	130
						ASME B16.9 - ASTM A234	230
				Actual Dates Actual Ass		ASME B16.9 - ASTM A234	118
		l		ASMC BABS - ASIM ASS		ASME B16.9 - ASTM A234	118
		ASTM 8100/8103/8139	Copper Super C12300	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Componnent Fillings		WANTE OF SEC.
		ASTM 8100/8103/8139	Control owest CityOO	ASME 816,22 - ASTM 875	Copper Elbows 45 and 90 C12200	ASME B16.22 - ASTM B75	404
	_	ASTM R100/R103/R130	Copper Sweet CLCCO		Copper Elbows 45 and 90 C12200	ASME 816.22 - ASTM 875	, tor
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<u>e</u>		ASTM 8100/81040ag	Copper Sweat C12200	-	Copper Elbows 45 and 90 C12200	ASME B16.22 - ASTM R75	BACIS
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		ASHIM BLOO/BLOS/BLSS	Copper Sweat C12200	i		ASME 816 22 - ACTM 876	135
		Standard	End Fitting			COMPLETANCE CASINI DES	435
		ASTM A240/A580 - ISO 10380	Carbon Steel 150# 8650 Elande	Acta to a second	Compounted Fillings		S # 107 O GULLA
		ASTM A240/A580 - ISO 10380	Carbon Steel 1 Eost DECO FLACE	ASIMEB 10.5 - ASIM A105	90	ASME B16.9 - ASTM A234	285
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1008 221 Stainless Steel Unid 1008 221 Stainless Steel Unid 100		ASTM A240/A580 - ISO 10380	Corte Co. 130# KrSO Flance	ASMEB 16.5 - ASTM A105		ASME B16.9 - ASTM A234	290
6" Hose 321 Stainless Steel / Braid 8" Hose 321 Stainless Steel / Braid 10" Hose 321 Stainless Steel / Braid 11" Hose 321 Stainless Steel / Braid		ACTM A240/A680 150 10380	Carbon Steel 150H RESO Flange	ASMEB 16.5 - ASTM A105	ch 40 Elbows 45 and 90	ASME 816.9 - ASTM A234	1961
8" Hose 321 Stainless Steel / Braid 10" Hose 321 Stainless Steel / Braid 12" Hose 321 Stainless Steel / Braid		ACTAL A740/AESO 150 150 5050	Carbon Steel 150# RFSO Flange	ASMEB 16.5 - ASTM A105		ASME B16.9 - ASTM A234	N 2 W
10" Hose 321 Stainless Steel / Braid 12" Hose 321 Stainless Steel / Braid		١	Carbon Steel 150# RESO Flange	ASMEB 16.5 - ASTM A105	ch 40 Elbows 45 and 90	ASME B16.9 - ASTM A234	VEN
12" Hose 321 Stainless Steet / Braid			Carbon Steel 1508 RFSO Flange	ASMEB 16.5 - ASTM A105	ch 40 Elbows 45 and 90	ASME B16.9 - ASTM 4224	069
The state of the s		ASTAL ASTACASSO - ISO 10380	Carbon Steel 150# RFSO Flange	ASMEB 16.5 - ASTM A105	ch 40 Elbows 45 and 90	ASME 016.9 - ASTM A234	100
Stans - 10 Hotz & Brate		ļ	Carbon Steel 150# RFSO Flange	ASMEB 16.5 - ASTM A105		ASME 816.9 - ASTM A234	101
1/4" Hose 321 Stainless Steel / Braid		ACTAL ADAO/ACTO LEGISCO	Elta Fitting				A SUL O GUAN
3/8" Hose 322 Stainless Steel / Braid		1	Carbon Steel Sch 40 Male NPT	ASME B16.11 - ASTM A105	Carbon Steel 5ch 40 Elbows 45 and 90	ASME BIG 9 - ACTM ADSA	1000
1/2" Hose 321 Statofers Steel / Braid			Carbon Steel Sch 40 Male NPT			ASMEBICO ACTALADOR	1303
3/4" Hose 321 Stainless Steel / Braid		1	Carbon Steel Sch 40 Male NPT			ASME BIG 9 - ACTAL A224	Oco
1" Hose 321 Stainless Street / Braid						ASME BIG 9 ACTM ADSA	OEG
1-1/4" Hose 321 Stainless Steel / Braid		1	Carbon Steel Sch 40 Male NPT			ASME BIG 9. ACTM A224	000
L						ASME BIG 9 - ASTM A234	1117
						ASMF 816 9 - ASTM ADSA	747
2-1/2" Hose 321 Stainless Steel / Braid		1				ASME B16.9 - ASTM A234	707
3" Hose 321 Stainless Steel / Braid		1			-	ASME B16.9 - ASTM A234	463
Stra. 10 Hore & Breid		1	Carbon Steel 5th 40 Male NPT	ASME B16.11 - ASTM A10S		ASME B16-9 - ASTM A23A	733
		1				1	17 C 70F
3/8" Hose 321 Stainless Steel / Braid T304 Stainless Steel		ASTM A240/A350 - ISO 10360	Carbon Steel Sch 40 Pipe		Carbon Steel Sch 40 Elbows 45 and 90	ASME 816.9 - ASTM A234	1085
_		ASIM AZAU/ASBU- ISO 10380	sch 40 Pipe	i		ASME B16.9 - ASTM A234	COST
		ASIM A240/A580 - ISO 10380				ASMERIGG - ACTM A236	000
		ASIM AZ40/AS80 - ISO 10380	Sch 40 Pipe	A5ME B16.9 - A5TM A53		ASME B16.9 - ASTM A234	050
1-1/4" Hose 321 Stainfess Steel / Braid		1				ASME B16.9 - ASTM A234	241
_		1		1		ASME B16.9 - ASTM A234	241
		1	Carbon Steel Sch 40 Pipe			ASME 816,9 - ASTM A234	241
2-1/2" Hose 321 Stainless Steel / Braid?						ASME 816.9 - ASTM A234	493
a" Hose 321 Stainless Steel / Braid		1				ASME B16.9 - ASTM A234	403
4" Hose 321 Stainless Steel / Braid		1				ASME 816.9 - ASTM A234	167
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o Lione St. Stallilless Steel / Brain						ASIME 010.9 - ASIM A234	134
6 Hose 321 Stainless Steel / Braid				١		ASME B16.9 - ASTM A234	134
			Carbon Steel Sch 40 Pine	l		ASME B16,9 - ASTM A234	230
12" Hose 321 Stainless Steel / Braid		ı		1		ASME B16.9 - ASTM A234	118
Stree-ED Hose & Broid		ı		١		ASME B16.9 - ASTM A234	118
	10)	l	Copper Sweat C12200	ACAME DIG 22 ACTES DAY	Tantal Managaria	42	55VP @ 76F
3/8" Hose Copper Allay C51000(95/5)	10)	l				ASME B16.22 - ASTM B75	491
1/2" Hose Copper Alloy C51000(95/5) / Brald Bronze C22000(90/	10)	ASTM 8100/8103/8139	Copper Sweat C12200	ACMEDIC 22 ACTAS DTC	nd 90 C12200	ASME 816.22 - ASTM 875	191
3/4" Haze Copper Allay C51000(95/5)	tot	l			nd 90 C12200	ASME B16.22 - ASTM B75	191
1. Hose Copper Alloy CS1000[95/5]	10)	l		1	Copper Filows 45 and 90 C12200	ASME B16,22 - ASTM 875	403
1	10)	l			100 C12200	ASME B16.22 - ASTM B75	317
1-1/2	10)	ASTM 8100/8103/8139	00		400 613300	ASME 815.22 - ASTM 875	305
I	10)	ASTM B100/B103/B139	Copper Sweat C12200	ASME 816.22 - ASTM 875	24 00 612200	ASIME B16.22 - ASIMI B75	305
	/ Braid Bronze C22000(90/10)	ASTM 8100/8103/8139			of Carron	ASING BID.CZ - VSTW B75	196
a rose copper Alloy CS1000[95/5]	/ Braid Bronze C22000(90/10)	ASTM B100/8103/8139			100 00000	ASME B16.22 - ASTM B75	157
					CONTRACT TO MIN SO CALLED ON CALLEDON	ASME B16.22 - ASTM B75	157



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

thecker

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



Princeton Burylons 330 - 1855 Victorin Avenue Regins, Sarkulcheway 54P 3 V 7

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.

N. Surtege, P. Eng.

Yours truly

Executive Director