

9/23/2020

TSSA 345 Carlingview Drive Toronto, ON M9W 6N9 CA

Dear Cecylia Garbacz

Re: Reciprocal CRN Registration in Manitoba

Your application indicates that a CRN has been received in another Canadian Jurisdiction, and therefore your CRN has been registered in Manitoba as follows:

File Number:74-R974CRN:0D22655.54Scope:ATTACHMENT A AND BManufacturer:SWAGELOKExpiry Date:31/Aug/30

Please find attached invoice for registration.

As indicated by the Regulatory Reconciliation and Cooperation Table and the Reconciliation Agreement for the Canadian Registration Number (CRN) for Pressure Equipment, a CRN issued in any Canadian Jurisdiction will be accepted for use in Manitoba.

In accordance with Steam and Pressure Plants Regulation and CSA B51, it is the manufacturer's responsibility to file a Manufacturers Data Report, including partial data reports, with our office, prior to shipping pressure equipment to Manitoba.

Please contact me directly via email at <u>Cheryl.Lashek@gov.mb.ca</u> for any questions or concerns.

Cheryl Lashek, P.Eng Director, ITSM Inspection and Technical Services Office of the Fire Commissioner 508 - 401 York Avenue, Winnipeg Manitoba R3C 0P8 T (204) 945-3507 | F (204) 948-2309



Technical Standards and Safety Authority 345 Carlingview Drive Toronto, Ontario M9W 6N9 www.tssa.org

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



(1).	ST	ATUTORY	DECLARA on of Fittings	ATION	
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, Joer Feidman, v	ice President of Engineeri	ng nd Position, e.g. President, F	Nant Manager, Chief Fr	agineerl	
Constal Const	Magning Sa	na rosiaan, e.g. rreadeni, r	ian manager, onier Er	igineer)	
of Swagelok Com	pany	(Name of Manu	Detwork		
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Located at 2950	0 Solon Road, Solon, Ohi			440) 248-4600	(440) 349-5970
	(Plant Addr	ess)	0	Telephone No.)	(Fax No.)
and Pressur	declare that the fittings list e Vessels Regulation, con for Rubber Products Man	ply with all of the requ	irements of	echnical Standard	ls and Safety Act, Boilers
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which specifie	es the dimensions, materials o	of construction, pressure/	temperature ratings	, identification markin	ig the fittings and service;
		as supported by the atta	ched data which ide	entifies the <mark>d</mark> imensio	ns, material of construction,
pressure/tem	perature ratings and the ba	isis for such ratings, the	e marking of the fitti	ng for identification	and service.
I further declare tha	t the manufacture of these f which has been verified by th			eeting the requireme	ents of ISO 9001:2015
The items covered by	/ this declaration, for which I s				type fittings. In support of
this application, the fo	lowing information and/or tes artificate, Attachment A, At	t data are attached as fol	lows:	ner Support Docum	
		(drawings, calculations,	and the second s		
Declared before m	ne at	i	n the		of
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	owledge and belief, the appl			Standards and Safety	Pressure Vessels Safety Program
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CSA Standard B51 a	and is accepted for registration	on in Category		REGIST	TERED
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UNIX.	11		This Document has been digitally signed The stamp size has	C.R.N.: 0D22655.5	
Registered by:	N		been optimized for 11 x 17 documents	Signed LL	4 0000
Dated:	AUG 31, 2020		The coor	Date: August 3	
NOTE: This regis	tration expires on:	UG 31, 2030		attachments /	

*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)



Canadian Registration Number Submittal Category D Swagelok BT Series PTFE Hose THIS IS PART OF CRN 0D22655.5 Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program

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Attachment B: Scope of Registration for Swagelok BT Series Hose Assemblies (Category D)

This document represents the scope of Swagelok BT series PTFE hose and assemblies covered by this submission for CRN approval. These products have been evaluated in accordance with the Association for Rubber Products Manufacturers (ARPM) Hose Handbook.

Summary Table

Product	Pressure Retaining Material	Nom. Hose Size (in)	Fred Oceanosticano & Oiros	Maximum Working Pressure (psig)		Design Code
Series			End Connections & Sizes	At -65 to 100°F	@ Max. Temp.	of Construction
BT Series Hose	Core Smooth Bore (PTFE) Braid 304 SS Braid Reinforcement <u>End</u> Connections 316 SS Crimp on Collar 304 SS	1/8	Tube Fitting [SL, SM] 1/8" - 2" (3mm - 50mm) Male & Female Pipe Threads, NPT [PM, PF] 1/8" - 1" Male & Female VCR Metal Gasket Face Seal Fittings [RM, RF] 1/8" - 3/4" Male & Female VCO O-Ring Face Seal Fittings [VF, VM] 1/4" - 1/2" Tube Butt Welds [TB] 1/8"-1" ISO/BSP Parallel Female Threads (ISO 228) [FS] 1/8" - 3/4" Male & Female ISO Tapered (ISO 7) [FT] 1/4" - 1/2" SAE 37° Male [AN] 1/4" - 3/8" SAE 37° (JIC) Female Swivel [AS] 1/8" - 5/8" Male Pipe Weld [MPW] 1/8" - 1/2" UN / UNF (SAE) [ST] 3/16" - 5/8"	3000	2900 @450°F	Association for Rubber Products Manufacturers (ARPM) Hose Handbook



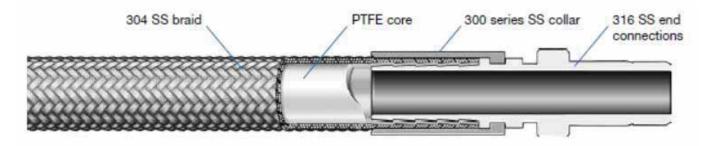
Canadian Registration Number Submittal Category D Swagelok BT Series PTFE Hose

THIS IS PART OF CRN 0D22655.5 Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program

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Configurations

All end connection inserts are crimped onto the hose using crimp collars.



Product Options:

Additional options that do not affect pressure and/or temperature ratings may be made available within the scope of this approval. Examples of these would include the following:

- Fire jacket Woven fiberglass coated with specially compounded aerospace-grade silicone rubber
- Mat tag Polyester tag with customer-specified text
- Lanyard tag Stainless steel tag with customer-specified text
- Thread sealant for tapered pipe thread ends

All the above options are within the scope of this approval.

Quality System

The Swagelok Company quality system complies with the requirements of ISO 9001:2015. The Swagelok Company maintains BSI Certificate of Registration Number FM 01729, which applies to all locations listed on the Certificate.

References

The product catalog does not represent the full scope of the registration but rather details some of the most common options.

• Hose Assemblies, Bulk Hose, and End Connections Product Catalog MS-01-180

Attachment A. Swagelok Manufacturing Locations

This document lists the Swagelok locations where end item or component level manufacturing activities take place.

	0D22655.5 Technical Standards and Safety Authority		
Swagelok Company	Swagelok Company (Falori 1)		
29500 Solon Road	348 Bishop Road		
Solon, Ohio 44139	Highland Heights, Ohio 44143		
USA	USA		
Swagelok Company (Highland)	Swagelok Company (Falon 2)		
318 Bishop Road	358 Bishop Road		
Highland Heights, Ohio 44143	Highland Heights, Ohio 44143		
USA	USA		
Swagelok Company (OFC)	Swagelok Company (HPF)		
29495 F.A. Lennon Drive	6050 Cochran Road		
Solon, Ohio 44139	Solon, Ohio 44139		
USA	USA		
Swagelok Company (Atlantic)	Swagelok Company (Snow Metal)		
26651 Curtiss Wright Parkway	6060 Cochran Road		
Willoughby Hills, Ohio 44092	Solon, Ohio 44139		
USA	USA		
Swagelok Company (Micro) 26653 Curtiss Wright Parkway Willoughby Hills, Ohio 44092 USA	Swagelok Company (Alfred) 29500 Ambina Drive Solon, Ohio 44139		
Swagelok Hose Services Company (SHSC)	Swagelok Company (Strongsville)		
29900 Solon Industrial Parkway	15400 Foltz Road		
Solon, Ohio 44139	Strongsville, Ohio 44119		
Swagelok (China) Fluid System Technologies Ltd.	Swagelok Limited		
Changshu Export Process Zone	Ballafletcher Road		
Changshu Economic Development Zone	Tromode		
Changshu, Jiangshu	IM4 4RA		
215513 China	Isle of Man		