



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-R974  
CRN: 0D22655.54  
Scope: ATTACHMENT A AND B  
Manufacturer: SWAGELOK  
Expiry 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 [Cheryl.Lashek@gov.mb.ca](mailto:Cheryl.Lashek@gov.mb.ca) 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





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

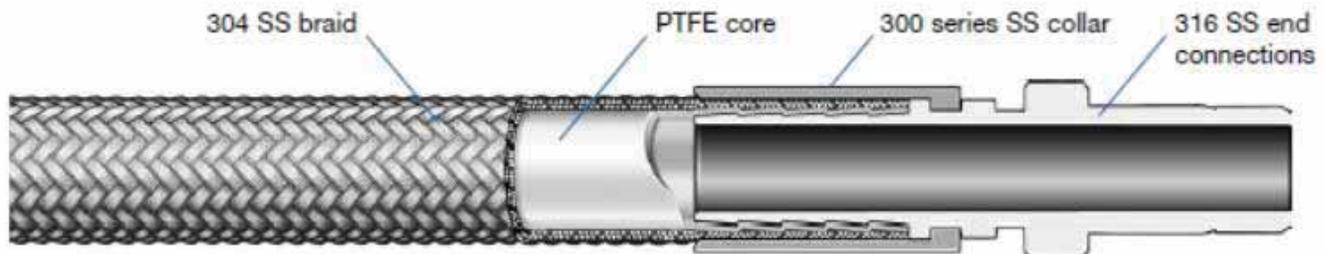
This document represents the scope of Swagelok BT series PTFE hose and assemblies covered by this submission for CRN approval. These products have been evaluated in accordance with the Association for Rubber Products Manufacturers (ARPM) Hose Handbook.

### Summary Table

Product Series	Pressure Retaining Material	Nom. Hose Size (in)	End Connections & Sizes	Maximum Working Pressure (psig)		Design Code of Construction
				At -65 to 100°F	@ Max. Temp.	
BT Series Hose	<p><b>Core</b> Smooth Bore (PTFE)</p> <p><b>Braid</b> 304 SS Braid Reinforcement</p> <p><b>End Connections</b> 316 SS <b>Crimp on Collar</b> 304 SS</p>	1/8	Tube Fitting [SL, SM] 1/8" – 2" (3mm – 50mm)	3000	2900 @450°F	Association for Rubber Products Manufacturers (ARPM) Hose Handbook
			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"						

## 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.

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

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