

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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| 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; |
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| 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 | |
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| Commissioner for | | | | | |
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| seal due f | o COVID-19 | situation | 1 | el C. | 7.11 |
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| August 10 | (Signal Uez () | | - | (Signature of L | Declarer) |
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| CSA Standard B51 a | and is accepted for registration | on in Category | | REGIST | TERED |
| CRN: | 0D22655.5 | 1000 | | | |
| 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 |



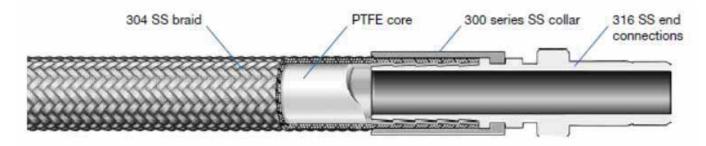
Canadian Registration Number Submittal Category D Swagelok BT Series PTFE Hose

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 | | |