



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

Swagelok

## STATUTORY DECLARATION Registration of Fittings

I, Joel Feldman, Vice President of Engineering  
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Swagelok Company  
(Name of Manufacturer)

Located at 29500 Solon Road, Solon, Ohio 44139 USA (440) 248-4600 (440) 349-5970  
(Plant Address) (Telephone No.) (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 Association for Rubber Products Manufacturers (ARPM) Hose Handbook  
(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 ISO 9001:2015 \_\_\_\_\_ which has been verified by the following authority, BSI \_\_\_\_\_

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

ISO 9001:2015 Certificate, Attachment A, Attachment B, Catalog Information and other Support Documents  
(drawings, calculations, test reports, etc.)

Declared before me at \_\_\_\_\_ in the \_\_\_\_\_ of \_\_\_\_\_  
 the \_\_\_\_\_ day of \_\_\_\_\_ AD 20\_\_\_\_\_.

Commissioner for Oaths:

**Unable to get a notary signature or seal due to COVID-19 situation.**  
(Printed name)

**August 10, 2020**  
(Signature)

(Signature of Declarer)

### FOR OFFICE USE ONLY

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: 0D22655.5

Registered by:

Dated: AUG 31, 2020

NOTE: This registration expires on: AUG 31, 2030



Technical Standards and Safety Authority	Boilers and Pressure Vessels Safety Program
REGISTERED	
C.R.N.: 0D22655.5	
Signed:	
Date: August 31, 2020.	

The scope of this registration is the stamped attachments A and B.

*\*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.*



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

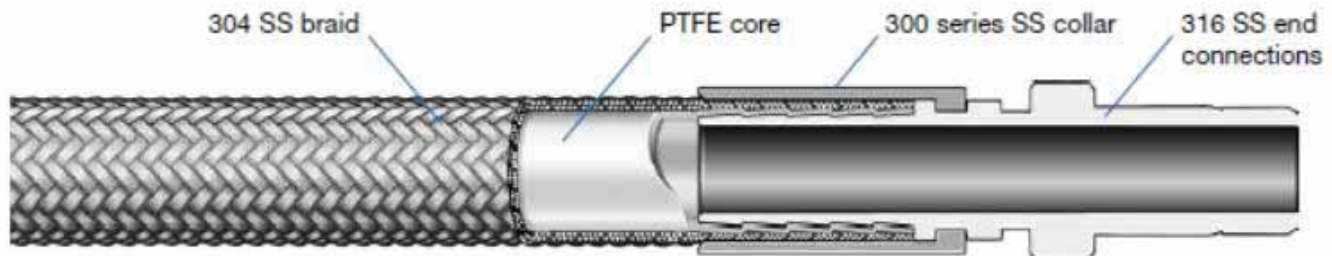
This document represents the scope of Swagelok BT series PTFE hose and assemblies covered by this submission for CRN approval. These products have been evaluated in accordance with the Association for Rubber Products Manufacturers (ARPM) Hose Handbook.

### 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	<p>Tube Fitting [SL, SM] 1/8" – 2" (3mm – 50mm)</p> <p>Male &amp; Female Pipe Threads, NPT [PM, PF] 1/8" – 1"</p> <p>Male &amp; Female VCR Metal Gasket Face Seal Fittings [RM, RF] 1/8" – 3/4"</p> <p>Male &amp; Female VCO O-Ring Face Seal Fittings [VF, VM] 1/4" - 1/2"</p> <p>Tube Butt Welds [TB] 1/8"-1"</p> <p>ISO/BSP Parallel Female Threads (ISO 228) [FS] 1/8" – 3/4"</p> <p>Male &amp; Female ISO Tapered (ISO 7) [FT] 1/4" – 1/2"</p> <p>SAE 37° Male [AN] 1/4" – 3/8"</p> <p>SAE 37° (JIC) Female Swivel [AS] 1/8" – 5/8"</p> <p>Male Pipe Weld [MPW] 1/8" – 1/2"</p> <p>UN / UNF (SAE) [ST] 3/16" – 5/8"</p>	3000	2900 @450°F	Association for Rubber Products Manufacturers (ARPM) Hose Handbook

## 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