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Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, Joel Feldman, Vice President, Engineering (company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority in the manufacturing plant where the fitting is produced) of: Swagelok Company (name of manufacturer)



located at: Headquarters: 29500 Solon Road Solon, Ohio 44139 USA (Plant Address - Apt/Street) (City,Prov) (Postal Code)

do solemnly declare that the fittings listed hereinunder, which are subject to the Saskatchewan Boiler and Pressure Vessel Safety Act (check one)

- Comply with the requirements of ... which specifies the dimensions, 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 Assoc. for Rubber Products Manufacturers (ARPM) Hose Handbook 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 manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, BSI as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are Category D. Hose

In support of this application, the following information, calculations and / or test data are attached:

ISO 9001:2015 Certificate, Attachment A, Attachment B, Catalog Information and other Support Documents

II. Declaration

DECLARED before me at ... In the ... of this ... day of ...

Unable to get a notary signature or seal due to COVID-19 situation

DocuSigned by: [Signature] 10/21/2020 7:50 AM EDT

(Signature of Commissioner of Oaths)

III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the Boiler and Pressure Vessel Safety Act and CSA B51, Clause 4.2, and is accepted for registration in Category

Technical Safety Authority of Saskatchewan registration details: Registration No. OD22419.53, File No. 11838, Date: December 21, 2020, Expiry Date: May 14, 2030

(Date Registered - MM DD YYYY) (Expiry Date - MM DD YYYY) (For the Administrator / Chief Inspector)

As Noted

Attachment B: Scope of Registration for Crimped and Swaged Swagelok T-Series PTFE Hose Assemblies (Category D)

This document represents the scope of the Swagelok PTFE (TH and TC) hose and crimped/swaged 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

TH and TC Series Hose Size	Maximum Pressure (psig)			Pressure Retaining Material	End Connections and Sizes	Design Code of Construction
	At Minimum Temp. (-65°F)	At 65 to 100°F	At Maximum Temp. (450°F)			
1/4"	2250	3000	2250	Core Smooth Bore Virgin PTFE [TH]	Swagelok Tube Fitting [SL SM TA TM] 1/8" – 1" (6-25mm)	Association for Rubber Products Manufacturers (ARPM) Hose Handbook
3/8"	2250	2500	1875	OR Smooth Bore Carbon-Lined PTFE [TC]	Male and Female NPT Tapered Pipe Fitting [PM PF] 1/4" – 1"	
1/2"	2000	2000	1500	Braid 304 SS Braid Reinforcement	Male 37° JIC and Female 37° JIC with female swivel nut [AN AS] 1/4" – 1/2"	
3/4"	1500	1500	1125	End Connections 316 SS	Male and Female ISO/BSP Tapered (ISO 7) Pipe Threads [MT FT] 1/8" – 1"	
1"	1000	1000	750	Swage Collar 304 SS Crimp on Collar 316 SS	Male and Female VCR Metal Gasket Face Seal Fitting [VF VM] 1/4" – 1"	

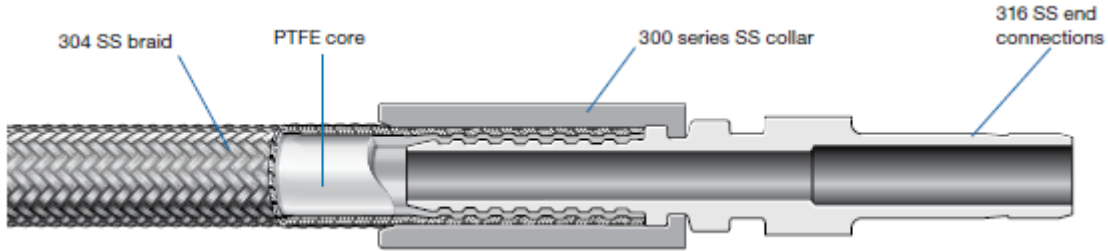
Product Description

Swagelok’s TH series hose is virgin PTFE-lined, 304 Stainless Steel braided hose. The TC series hose is carbon black filled PTFE-lined, 304 stainless steel braided hose. All TH and TC series hoses undergo production testing in accordance with ASTM D380 “Test Methods for Rubber Hose” (version current to hose production date).

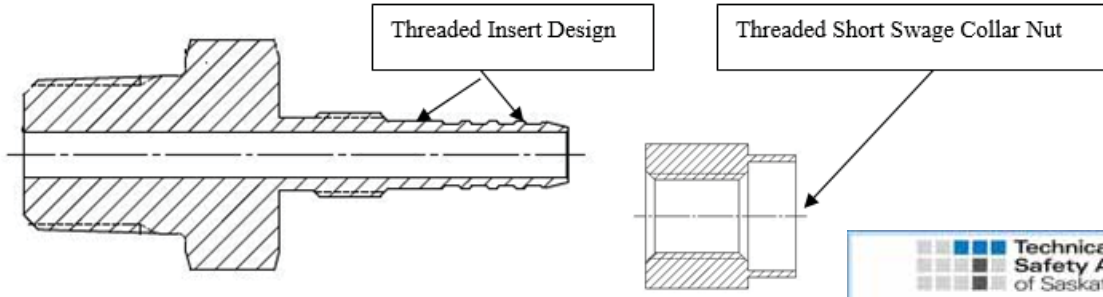
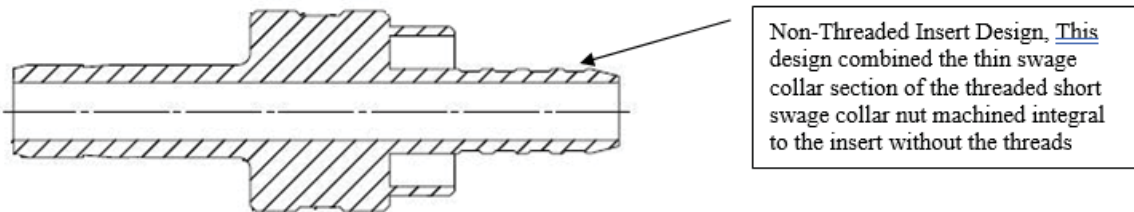
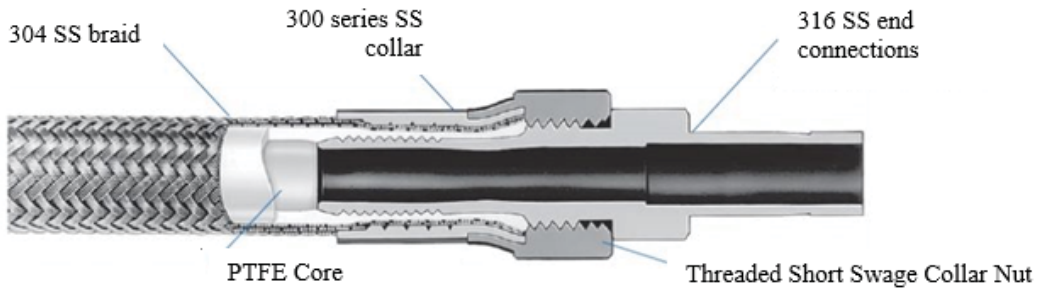


Configurations

Crimped assembly method:



Swaged assembly method – There are two ways the hose end connections are supplied: Threaded end connection insert or non-threaded end connection insert:



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Codes & Standards Compliance Office	

Product Options:

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

- Polyolefin Cover over Spring-guard
- PVC tubing cover
- Silicone covered Fiber Glass Fire Jacket cover with SS clamps
- Spring guard under Silicone covered Fiber Glass Fire Jacket cover with SS clamps
- SS Tag, TFE Coated SS Lanyard, Aluminum Retaining clamp
- Stainless Steel Tag with TFE coated lanyard
- SS Tag, TFE Coated SS Lanyard, Aluminum Retaining clamp, and possibly pre-swaged
- Customer requested information listed on hose end connection non-critical surfaces
- Applicable material trace numbers marked on end connections.
- Pipe Threaded ends
- O-rings for VCO ends
- Proof Pressure Testing

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.

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

