NEW BRUNSWICK NUNAYUT NOVA SCOTIA YUKON PRINCE EDWARD ISLAND NORTHWEST TERRITORIES NEWFOUNDLAND AND LABRADOR

MANUFACTURERS ADDRES	Swagelok Company	
PLANT LOCATIONS: Upand	SS: 29500 Solon Road, Solon, Ohio 44139 USA	
rieau	quarters: 29500 Solon Road, Solon, Ohio 44139 USA (See Atta	schment A)
CATEGORY OF FI	ITINGS TO BE REGISTERED, CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible o E Strahers, filters, separation F Measuring devices, includis pressuré Vansmitters G Cartified capacity-rated pre boilers, pressure vasseis, i H Pressure retaining compon	ng pressure gauges, level gauges, sight glasses, levels, or	Rubber Products Manufacturers (ARPM) Hose Handbook
	AME. TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	TYPE OF CONSTRUCTION
Swa	agelok	PTFE CORE
LIST OF SUPPORTING DOC	LUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE RE	GISTEREO:
responsibility for the quality my knowledge represents the	of the end product do solemnly declare that the information contains	ng the person having full authority and d in this form is true and to the best of
manufacture of these fittings or in part and has been veri declaration conscientiously.	ne product for which registration is sought. The dimensions, materials entification markings are in accordance with the herein named standards is regulated by a Quality Control Program which extends to each placed by BSI as being suitable for the believing it to be true, and knowing that it is of the same force and eligible for the same force and e	rds, I further declare that the ant where fabrication occurs in whole at purpose and I make this solemn
manufacture of these fittings or in part and has been veri declaration conscientlously. Signature of Declarer:	entification markings are in accordance with the herein named standa is is regulated by a Quality Control Program which extends to each plated by BSI as being suitable for the heliaving it to be true, and knowing that it is of the same force and ell	rds, I further declare that the ant where fabrication occurs in whole at purpose and I make this solemn lect as if made under oath.
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Canadian Registration Number Submittal
Category D: Crimped and Swaged T Series PTFE Hose

THIS IS PART OF CRN 0D22419.5ADD1 Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety

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



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316 SS end

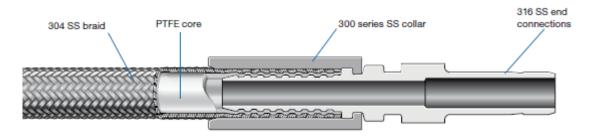
connections

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Configurations

Crimped assembly method:

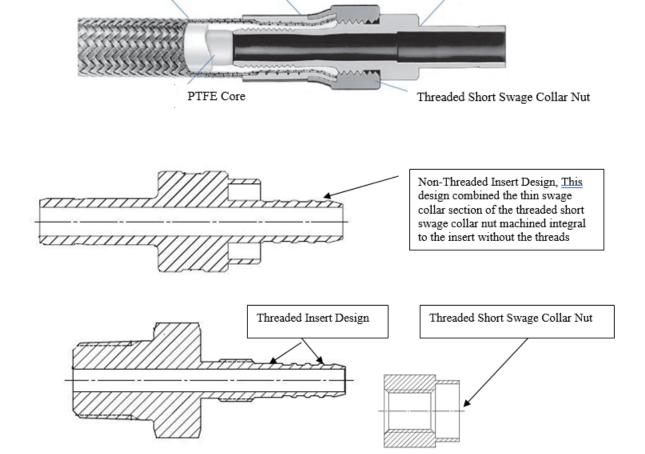
304 SS braid



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

300 series SS

collar





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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.

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Boilers and Pressure Vessels Safety

Program

Attachment A. Swagelok Manufacturing Locations

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

Swagelok Company	Swagelok Company (Falon 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. Changshu Export Process Zone Changshu Economic Development Zone Changshu, Jiangshu 215513 China	Swagelok Limited Ballafletcher Road Tromode IM4 4RA Isle of Man