## UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR			
MANUFACTURERS NAME:	Swagelok Company					
MANUFACTURERS ADDRES						
PLANT LOCATIONS: Head	quarters: 29500 Solor	n Road, Solon, Ohio 44139 USA (See a	Attachment Al			
CATEGORY OF FIT	TINGS TO BE REGISTER	ED, CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION			
A Pipe fittings, including coup B Flanges: all flanges C Valves: all fine valves D Expansion joints, flexible of E Strainers, fifters, separators F Measuring devices, including pressure transmitters G Certified capacity-rated pre- boilers, pressure vessels, in H Pressure retaining compon	onnactions, and hose asserts, and steam treps ng pressure gauges, level g assure relief devices accept piping and fusible plugs ents that do not fail into one	ngs, unions, pipe caps, or reducers  mblies: ell types  sauges, sight glasses, levets, or  table as primary over pressure protection on  s of the above categories	Rubber Products Manufacturers (ARPM) Hose Handbook			
N Nuclear components: Clas	s 1 🗆 Class 2 🗆 Class 3	☐, (Meeting AECB or ASME requirements)				
SWO		OGO AS IT WILL APPEAR ON THE PRODUC	CT TYPE OF CONSTRUCTION FORGED WELDED O WROUGHT O CAST O OTHER X DESCRIBE OTHER X PTFE COFE			
LIST OF SUPPORTING DOC	UNENTATION AND IDEN	TIFICATION OF THE ACTUAL ITEMS TO BE	REGISTERED:			
150 900 1:2015 Certificate	. Attachment A, Attachit	eent B. Catalog Information and other Sup	port Documents			
DECLARATION: Joel Feldman, Vice President, Er	ngineering (1000 note 3) employ	yed by Swagelok Company and	being the person having full authority an			
Joel Feldman, Vice President, Er esponsibility for the quality my knowledge represents the emperature ratings, and ide manufacture of these fittings or in part and has been verified declaration conscientiously	of the end product do so ne product for which regi- entification markings are is regulated by a Quali- fied by BSI believing it to be true, ar	olemnly declare that the information conta istration is sought. The dimensions, mate in accordance with the herein named sta by Control Program which extends to each	rials of construction, pressure ndards. I further declare that the a plant where fabrication occurs in whole that purpose and I make this solamo			
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Canadian Registration Number Submittal Category D Crimped Swagelok CT Series PTFE Hose

## THIS IS PART OF CRN 0D22736.5

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety

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

This document represents the scope of the Swagelok Coreflex (CT series) hose and crimped 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**

СТ			Pressure			
Series Hose Size	At Minimum Temp.	Room temperature (0°-100°F)	At Maximum Temp.	Retaining Material	End Connections and Sizes	Design Code of Construction
1/2"	1500 psig @ -65°F	1500 psig	1500 psig @ 450°F		Swagelok Tube Fitting <b>[SL SM]</b> 1/8" – 2" (3-50mm)	
3/4"	1100 psig @ -65°F	1110 psig	900 psig @ 450°F	Core Helical Convoluted PTFE	Male & Female NPT Tapered Pipe Fitting [PM PF] 1/8" – 2"  Female & Male VCO O-ring Face seal Fitting [VF, VM] 1/8" - 2"	
1"	750 psig @ -65°F	750 psig	490 psig @ 450°F	Braid 304 SS Braid Reinforcement End Connections	Male & Female ISO/BSP Tapered (ISO 7) Pipe Threads [MT FT] 1/4" – 1"  Male 37° JIC & Female 37° JIC with female swivel nut [AN AS] 1/4" – 2"	Association for Rubber Products Manufacturers (ARPM) Hose Handbook
1 1/2"	675 psig @ -20°F	700 psig	330 psig @340°F	316 SS  Crimp on Collar 300 series SS	Tube Butt Welds <b>[TB]</b> 1/2" – 1"  Female & Male VCR Metal Gasket Face Seal <b>[RF, RM]</b> 1/8" – 2"  Female ISO/BSP Parallel	
2"	525 psig @ -20°F	525 psig	485 psig @340°F		Threads (ISO 228) <b>[FS]</b> 1/4" – 1"	



Canadian Registration Number Submittal
Category D Crimped Swagelok CT Series PTFE Hose

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Program

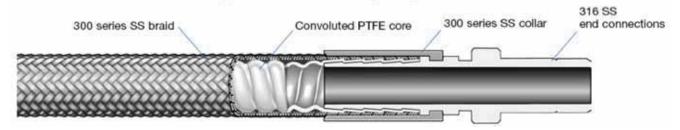
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#### **Product Description**

Swagelok's CT series hose is helical convoluted PTFE, 300 series stainless steel braided hose. All CT series hoses undergo production testing in accordance with ASTM D380 "Test Methods for Rubber Hose" (version current to hose production date).

#### **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 and are within the scope of this approval. Examples of these would include, but not limited to, the following:

#### **Cover Options**

- Armor guard Interlocking, flexible 302 stainless steel.
- Fire jacket Woven fiberglass coated with specially compounded aerospace-grade silicone rubber
- Spiral guard Helical HDPE plastic

#### **Tag and Marking Options**

- Mat tag Polyester tag with customer-specified text
- Perma tag (JT only)- Polyester tag encapsulated in platinum-cured silicone with customerspecified text
- Lanyard tag Stainless steel tag with customer-specified text

#### **End Connection Seals or Sealants Options**

- VCO O-rings
- Pipe Thread ends thread sealant

#### **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.

### THIS IS PART OF CRN

0D22736.5

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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