

ATTN: TSSA BPV NATIONAL REGISTRATION -  
TECHNICAL STANDARDS & SAFETY AUTHORITY  
345 CARLINGVIEW DR  
TORONTO ON M9W 6N9

**Date:** 02-Dec-2025  
**TSBC Account #:** 061440  
**TSBC Admin Number:** 120441  
**Canadian Registration Number:** 0D14205.51

**Re: Application for Design Registration**

The design, as detailed in your Design Portal application 0D14205.5R3 - Swagelok Company for a Pressure Fitting is registered with the following notes and considerations:

<b>Registered To:</b>	Swagelok Company
<b>Project Name:</b>	0D14205.5R3 - Swagelok Company
<b>Drawing #:</b>	See Scope of Registration for Crimped Swagelok W series PTFE Hose Assemblies
<b>Drawing Revision:</b>	N/A

**Conditions of Registration:**

(1) Fitting Registration Expiry Date: 01-Oct-2035 (2) The registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of quality management system lapse before the expiry date indicated above, this registration shall become void.

**Reviewer's Notes:**

Any additional conditions and considerations from the initial province of registration shall apply to this BC registration.

Full details of this submission including the scope of registration, design conditions, fabrication details, and calculations pertaining to this design are located in the above Admin Number on the Design Portal. For all other enquiries, please contact [eim@technicalsafetybc.ca](mailto:eim@technicalsafetybc.ca).

The Engineering Information Management Team



## **Attachment B: Scope of Registration for Crimped Swagelok W series PTFE Hose Assemblies (Category D)**

This document represents the scope of the Swagelok W 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**

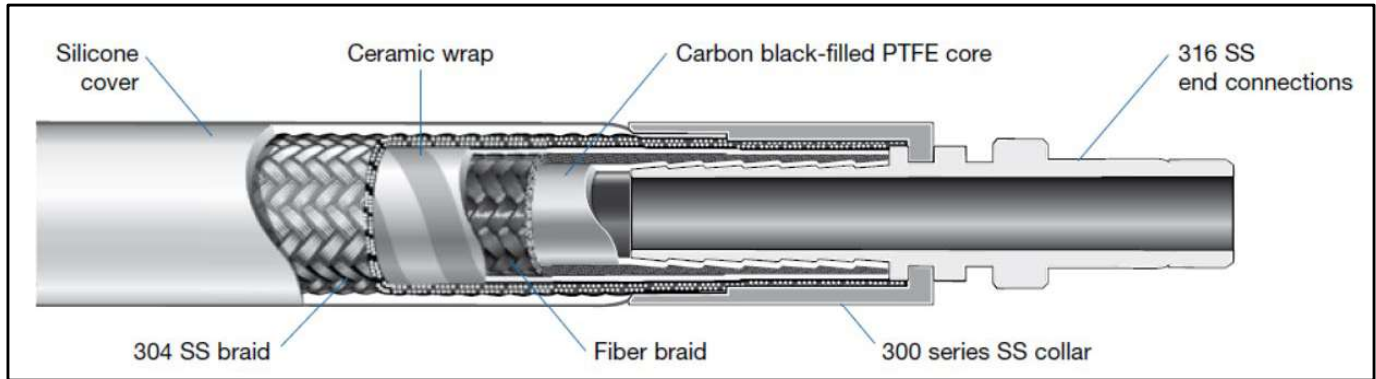
W series Hose Size	Maximum Pressure (psig)			Pressure Retaining Material	End Connections and Sizes	Design Code of Construction
	At Minimum Temp. (-65°F)	Room temperature (0°-100°F)	At Maximum Temp. (400°F)			
3/8"	750	750	750	<b><u>Core</u></b> Smooth Bore PTFE, Carbon Black-filled	Swagelok Tube Fitting <b>[SL SM]</b> 1/8" – 2" (3 – 50mm) Male & Female NPT Tapered Pipe Fitting <b>[PM, PF]</b> 1/8" – 2" Male & Female ISO/BSP Tapered (ISO 7) Pipe Threads <b>[MT, FT]</b> 1/4" – 1"	Association for Rubber Products Manufacturers (ARPM) Hose Handbook
1/2"	750	750	750	<b><u>Braid</u></b> Fiber Braid, Ceramic Wrap, 304 SS Braid  <b><u>Cover</u></b> Silicone cover	Male 37° JIC & Female 37° JIC with female swivel nut <b>[AN, AS]</b> 1/4" – 1" Tube Butt Welds <b>[TB]</b> 1/2" – 1"	
3/4"	500	500	500	<b><u>End Connections</u></b> 316 SS  <b><u>Crimp on Collar</u></b> 300 series SS	Male & Female VCO O-ring Face seal Fitting <b>[VF, VM]</b> 1/8" - 1" Male & Female VCR Metal Gasket Face seal Fitting <b>[RF, RM]</b> 1/8"- 1" Female ISO/BSP Parallel Threads (ISO 228) <b>[FS]</b> 1/4" – 1/2"	

### **Product Description**

The Swagelok W series hose is a virgin PTFE-lined hose with fiber braid reinforcement, ceramic wrap insulation, 304 stainless steel reinforcement, and a silicone cover.

### **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 304 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 - Polyester tag encapsulated in platinum-cured silicone with customer-specified 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.