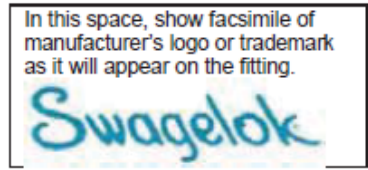


STATUTORY DECLARATION Registration of Fittings

I, Joel Feldman, Vice President, Engineering of Swagelok Company



located at 29500 Solon Road, Solon, Ohio 44139 USA

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- comply with the requirements of ARPM Hose Handbook 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...

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, BSI as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are Category D Type Fittings

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

DECLARED before me at in the of this day of

Unable to get a notary signature or seal due to COVID-19 situation - October 22, 2020

DocuSigned by: 10/22/2020 | 10:20 AM C87CBBFFD3F14B7...

For ABSA Office Use Only:

NOTES:

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

Registration Number: Date Registered: Expiry Date: DEC. 16, 2030

The information you provide is necessary only for the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline.

ABSA SAFETY CODES ACT - PROVINCE OF ALBERTA ACCEPTED: 0D22889.52 See acceptance letter for conditions of registration. DATE: 2020-12-22 BY: ZANA RADISAVJEVIC, P. TECH. (ENG)



Canadian Registration Number Submittal  
 Category D Swagelok Nylon and Polyethylene Hose

September 21, 2020  
 Page 1 of 4

**Attachment B: Scope of Registration for Swagelok Nylon Series (7N, 7R, 8N & 8R) and Polyethylene Series (7P) Hose Assemblies (Category D)**

This document represents the scope of Swagelok Nylon Series (7N, 7R, 8N, 8R) and Polyethylene Series (7P) Hose 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**

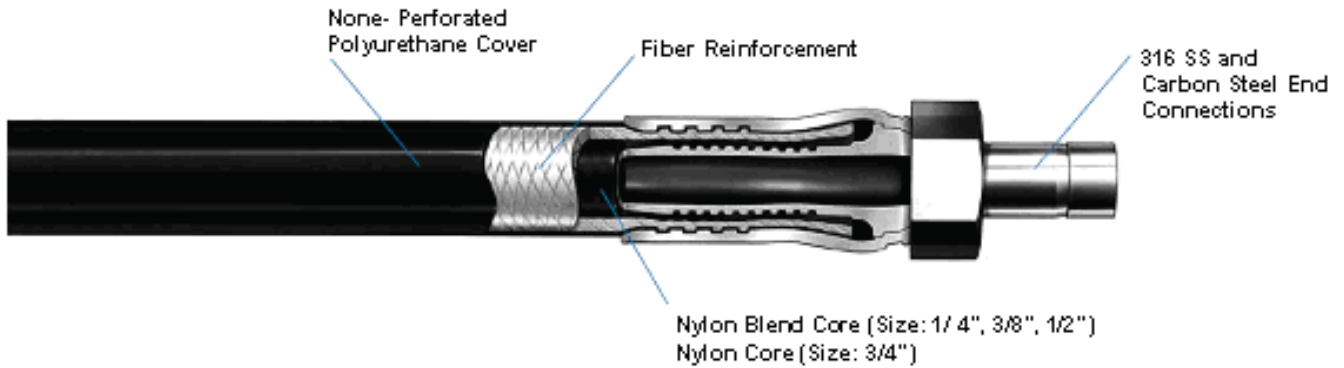
Product Description or Series	Pressure retaining Material	End Connections and Sizes	Nominal Hose Size (in.)	Maximum Pressure at Temperature (psig)		Design Code of Construction
				At -40 to 70°F Temp.	At Maximum Temp. (200°F)	
7N Nylon Hose	<u>Smooth Bore Core</u> SAE nonconductive nylon (7N)  <u>Core Covered By</u> Synthetic fiber reinforcement  <u>Hose Cover</u> Polyurethane cover  <u>End Connections</u> 316 SS	Swagelok Tube Fitting [SL SM] 1/4" – 1/2" (6-12mm) Female 37° JIC with female swivel nut [AN, AS] 1/4" – 1/2"  Male ISO/BSP Tapered (ISO 7) Pipe Threads [MT] 1/4" – 1/2"  Male NPT Tapered Pipe Fitting [PM] 1/4" – 1/2"	1/4	2750	1750	Association for Rubber Products Manufacturers (ARPM) Hose Handbook
			3/8	2250	1750	
			1/2	2000	1750	
7R Nylon Hose	<u>Smooth Bore Core</u> Nylon (7R)  <u>Core Covered By</u> Synthetic fiber reinforcement  <u>Hose Cover</u> Polyurethane cover  <u>End Connections</u> 316 SS	Swagelok Tube Fitting [SL SM] 1/4" – 1/2" (6-12mm) Female 37° JIC with female swivel nut [AN, AS] 1/4" – 1/2"  Male ISO/BSP Tapered (ISO 7) Pipe Threads [MT] 1/4" – 1/2"  Male NPT Tapered Pipe Fitting [PM] 1/4" – 1/2"	1/4	1750	2000	
			3/8	2250	2000	
			1/2	2000	1500	
8R Nylon Hose	<u>Smooth Bore Core</u> Nylon Blend Thermoplastic  <u>Core Covered By</u> Synthetic fiber reinforcement  <u>Hose Cover</u> Polyurethane cover  <u>End Connections</u> 316 SS	Swagelok Tube Fitting [SL SM] 1/4" – 1" (6-12mm) Female 37° JIC with female swivel nut [AN, AS] 1/4" – 1"  Male ISO/BSP Tapered (ISO 7) Pipe Threads [MT] 1/4" – 1"  Male NPT Tapered Pipe Fitting [PM] 1/4" – 1"	1/4	5000	3250	
			3/8	4000	3250	
			1/2	3500	2750	
			3/4	2250	1500	
			1	2000	1125	



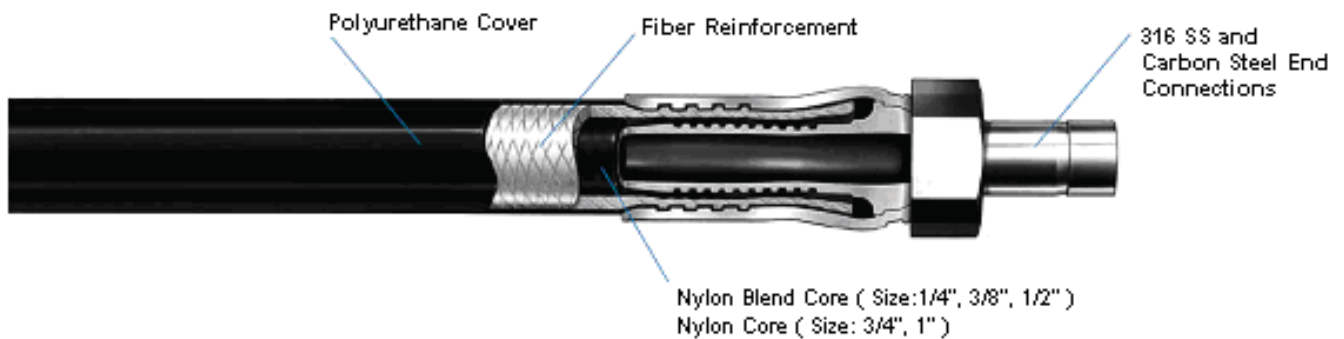
Product Description or Series	Pressure retaining Material	End Connections and Sizes	Nominal Hose Size (in.)	Maximum Pressure at Temperature (psig)		Design Code of Construction
				Up to 70°F Temp.	At Maximum Temp.	
8N Nylon Hose	<p><b>Smooth Bore Core</b> SAE nonconductive nylon</p> <p><b>Core Covered By</b> Synthetic fiber reinforcement</p> <p><b>Hose Cover</b> Polyurethane cover</p> <p><b>End Connections</b> 316 SS</p>	<p>Swagelok Tube Fitting <b>[SL]</b> 3/4"</p> <p>Female 37° JIC with female swivel nut <b>[AS]</b> 3/4"</p> <p>Male ISO/BSP Tapered (ISO 7) Pipe Threads <b>[MT]</b> 3/4"</p> <p>Male NPT Tapered Pipe Fitting <b>[PM]</b> 3/4"</p>	3/4	2250 @ -40°F to 70°F	1750 @ 200°F	Association for Rubber Products Manufacturers (ARPM) Hose Handbook
7P Polyethylene Hose	<p><b>Smooth Bore Core</b> Polyethylene</p> <p><b>Core Covered By</b> Synthetic fiber reinforcement</p> <p><b>Hose Cover</b> Polyurethane cover</p> <p><b>End Connections</b> 316 SS</p>	<p>Swagelok Tube Fitting <b>[SL SM]</b> 1/4"–1" (6–25mm)</p> <p>Female 37° JIC with female swivel nut <b>[AS]</b> 1/4" – 1"</p> <p>Male ISO/BSP Tapered (ISO 7) Pipe Threads <b>[MT]</b> 1/4" – 1"</p> <p>Male NPT Tapered Pipe Fitting <b>[PM]</b> 1/4" – 1"</p>	1/4	2750 @ -10°F to 70°F	1500 @ 150°F	
			3/8	2250 @ -10°F to 70°F	2250 @ 150°F	
			1/2	2000 @ -10°F to 70°F	1750 @ 150°F	
			3/4	1250 @ -10°F to 70°F	900 @ 150°F	
			1	1500 @ -10°F to 70°F	1200 @ 150°F	

## Product Description

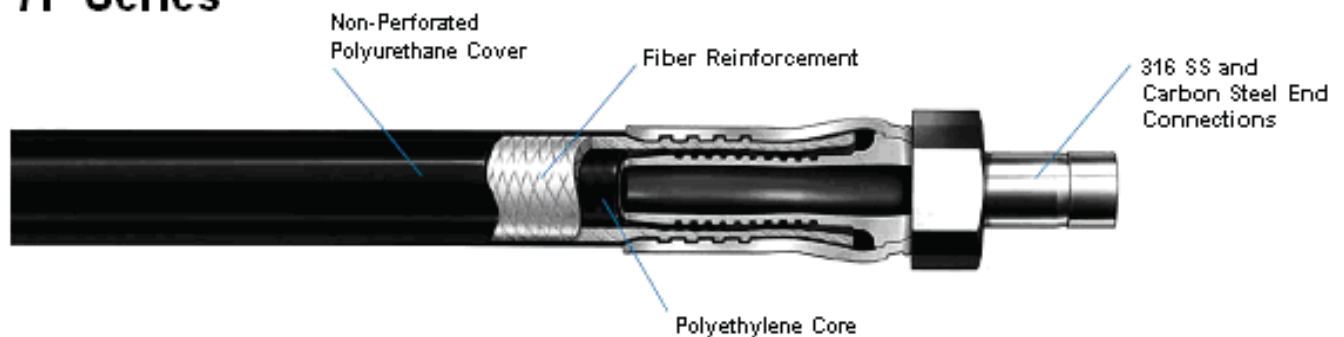
### 7N & 8N Series



### 7R & 8R Series



### 7P Series





**Product Options:**

Additional options and non-pressure boundary alterations that do not affect pressure ratings are within the scope of this approval. Examples of these options include but are not limited to:

- Spring guards (such as S – Full length spring guard and S2 – Short length spring guard)
- Sleeves (such as F – Fire jacket sleeve with metallic tie lock bands; F1 – Thermo sleeve with metallic tie lock bands)
- Tags and special markings
- Pipe Thread Sealants
- Special 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, Rev. U.

## 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

December 22, 2020

**Attention:** Tanya Francis  
TECHNICAL STANDARDS & SAFETY AUTHORITY  
345 CARLINGVIEW DRIVE  
TORONTO, ON M9W 6N9

The design submission, tracking number 2020-05439, originally received on November 10, 2020 was surveyed and accepted for registration as follows:

**CRN :** 0D22889.52 **Accepted on:** December 22, 2020  
**Reg Type:** NEW DESIGN **Expiry Date:** December 16, 2030  
**Drawing No. :** ATTACHMENT B: SCOPE OF REGISTRATION Rev 2020-09-21  
**Fitting type:** SWAGELOK NYLON 7N/7R/8N/8R & POLYETHYLENE 7P SERIES  
Design registered in the name of : SWAGELOK COMPANY

**The registration is conditional on your compliance with the following notes:**

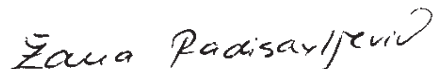
*As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is other engineering analysis.*

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.
- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.
- This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.
- Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3369 or fax (780) 437-7787 or e-mail Radisavljevic@absa.ca.

Sincerely,



RADISAVLJEVIC, ZANA, P. Tech. (Eng.)  
DOP Cert. No. D00003136