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CATEGORY OF	FITTINGS TO BE REGISTER	ED. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTOR
		gs, unions, pipe caps, or reducers	Rubber Products
DExpansion joints, Faxible	le connections, and hose assen	nblest all types	Manufacturers (ARPM)
E Strainers, filters, secore	lors, and slearn track		Hose Handbook
pressure transmitters	ading pressure gauges, level ge		
G Certified capacity-rated	pressure relief devices accepts is, piping and fusible plugs	able as primary over prossure protection on	
H Pressure retaining comp	no, paping and tusidia plugs ponents that do not fail into one	of the above categories	
N Nuclear components; C	Glass 1 🗇 Glass 2 🗂 Class 3 I	C. (Mosting AECB of ASME requirements)	
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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
				At -40 to 70°F Temp.	At Maximum Temp. (200°F)	of Construction
7N Nylon Hose Pol	SAE nonconductive nylon (7N)	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"	1/4	2750	1750	
	<u>Core Covered By</u> Synthetic fiber reinforcement <u>Hose Cover</u> Polyurethane cover		3/8	2250	1750	
	End Connections 316 SS	Male NPT Tapered Pipe Fitting [PM] 1/4" – 1/2"	1/2	2000	1750	
7R Nylon HoseSmooth Bore Core Nylon (7R)7R Nylon HoseCore Covered By Synthetic fiber reinforcementHose Cover Polyurethane coverEnd Connections 316 SS	Nylon (7R) Core Covered By Synthetic fiber reinforcement Hose Cover	Swagelok Tube Fitting [SL SM] 1/4" – 1/2" (6-12mm) Female 37° JIC with	1/4	1750	2000	
		female swivel nut [AN, AS] 1/4" – 1/2" Male ISO/BSP Tapered (ISO 7) Pipe Threads [MT]	3/8	2250	2000	Association for Rubber Products Manufacturers (ARPM) Hose
	1/4" – 1/2" Male NPT Tapered Pipe Fitting [PM] 1/4" – 1/2"	1/2	2000	1500	Handbook	
8R Nylon Hose	Smooth Bore Core Nylon Blend Thermoplastic Core Covered By Synthetic fiber reinforcement <u>Hose Cover</u> Polyurethane cover	Swagelok Tube Fitting [SL SM] 1/4" – 1" (6-12mm)	1/4	5000	3250	
		Female 37° JIC with female swivel nut [AN, AS] 1/4" – 1" Male ISO/BSP Tapered (ISO 7) Pipe Threads [MT] 1/4" – 1"	3/8	4000	3250	
			1/2	3500	2750	
			3/4	2250	1500	
	End Connections 316 SS	Male NPT Tapered Pipe Fitting [PM] 1/4" – 1"	1	2000	1125	



THIS IS PART OF CRN

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

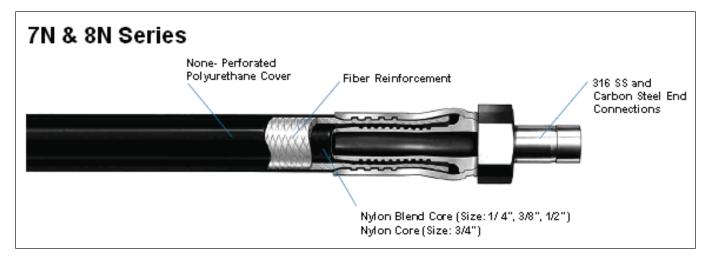


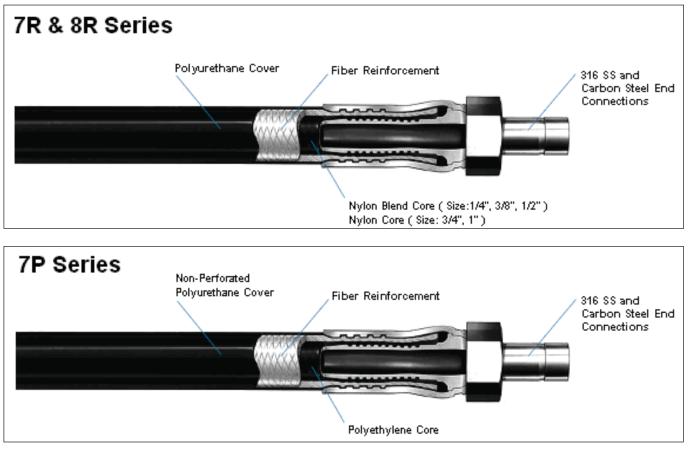
Product Description



Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program

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