

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: <u>Swagelok Company</u>	
MANUFACTURERS ADDRESS: <u>29500 Solon Road, Solon, Ohio 44139 USA</u>	
PLANT LOCATIONS: <u>Headquarters: 29500 Solon Road, Solon, Ohio 44139 USA (See Attachment A)</u>	
<p>CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting AECB or ASME requirements)</p>	<p>TITLE OF THE STANDARD OF CONSTRUCTION</p> <p>ASME B31.1 for unlisted components, ASME B31.3 for unlisted components</p>
<p>SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</p> <p align="center">Swagelok</p>	<p>TYPE OF CONSTRUCTION</p> <p>FORGED <input checked="" type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:</p>
<p>LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</p> <p>ISO 9001:2015 Certificate, Attachment A, Attachment B, Catalog Information and other Support Documents</p>	

DECLARATION:

I, Joel Feldman, Vice President, Engineering (see note 2) employed by Swagelok Company and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by BSI as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Declared before me at Solon, Ohio
 This 12th day of Nov AD 2019
 Commissioner of Oaths
Brenda Hummel (sign)
 (Affix Official seal to the right)

USE THIS SPACE FOR THE
OFFICIAL SEAL

This space for Regulatory Authority use
 This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: OC22234.5
 FID#: 1214
0,1,18,20&26 series Integral Bonnet
 Notes: NEEDLE VALVES

- All fittings shall be registered in the name of the Manufacturer.
- Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
- The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
- Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

CRN EXPIRES MARCH 10, 2030-D.6

NUNAVUT
 Boilers and
 Pressure Vessels Act

REGISTERED

CRN OC22234.5N
 Date March 27, 2020
 Signed [Signature]
 Chief Inspector
Michael Leder
 Director Safety Services - CGI

Territorial Registration Fee



Attachment B: Scope of Registration for Swagelok O, 1, 18, 20 and 26 Series Integral Bonnet Needle Valves (Category C)

This document represents the scope of the Swagelok O, 1, 18, 20 and 26 Series Needle Valves covered by this submission for CRN approval. These products were designed and evaluated in accordance with ASME B31.1-2018 for unlisted components and ASME B31.3-2018 for unlisted components.

THIS IS PART OF CRN
 0C22234.5
 Technical Standards and Safety Authority
 Boilers and Pressure Vessels Safety Program

Summary Table

Product Series	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections, Sizes	Maximum Rated Pressure (psig)		Design Code of Construction
				At -65 to 100°F (except Carbon Steel)	@ max. temperature	
O, 1, 18	Body	F316 SS (ASTM A182)	Tube Fitting 1/8", 1/4", 3/8", 1/2", 3/4", 3MM, 6MM, 8MM, 10MM, 12MM, 18MM Female NPT 1/8", 1/4" Male NPT 1/8", 1/4", 3/8" Female ISO 1/4"	5000	3130 @ 600°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
			Female NPT 3/8", 1/2" Female ISO 3/8", 1/2" Male NPT 1/2"	4400	2770 @ 600°F	
20, 26	Body	F316 SS (ASTM A479)	Tube Fitting 1/4", 3/8", 1/2" Female NPT 1/4" Male NPT 1/4", 3/8", 1/2", 3/4" Female ISO 1/4"	6000	3760 @ 600°F	
			Female NPT 3/8"	5300	3330 @ 600°F	
			Female NPT 1/2" Female ISO 1/2"	4900	3080 @ 600°F	
1, 18	Body	Type 1137 Carbon Steel (ASTM 181)	Tube Fitting 1/4", 3/8", 1/2", 3/4", 6MM, 8MM, 10MM, 12MM, 18MM Female NPT 1/4", 3/8", 1/2" Male NPT 1/4", 3/8", 1/2" Female ISO 1/4", 3/8", 1/2"	3000 @ -20°F to 100°F	2615 @ 350°F	
O, 1	Body	Alloy 400 (ASTM B564)	Tube Fitting 1/8", 1/4", 3/8", 1/2", 3/4", 8MM, 10MM Female NPT 1/8", 1/4" Male NPT 1/8", 1/4", Female ISO 1/4"	3000	2375 @ 500°F	



Product Series	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Rated Pressure (psig)		Design Code of Construction
				At -65 to 100°F	@ max. temperature	
O, 1, 18	Body	Brass C37700 (ASTM B283)	Tube Fitting 1/8", 1/4", 6MM Female NPT 1/8", 1/4" Female ISO 1/4" Male NPT 1/8", 1/4", 1/2"	3000	2350 @ 200°F	ASME B31.1 (Unlisted Components)
			Tube Fitting 3/8"	2200	1760 @ 200°F	
			Tube Fitting 1/2"	2100	1680 @ 200°F	
			Tube Fitting 3/4"	1800	1440 @ 200°F	
			Tube Fitting 8MM	2320	1858 @ 200°F	
			Tube Fitting 10MM	1885	1509 @ 200°F	
			Tube Fitting 12MM	2030	1625 @ 200°F	
			Tube Fitting 18MM	1590	1277 @ 200°F	
			Female NPT 3/8" Female ISO 3/8"	2600	2340 @ 200°F	
			Female NPT 1/2" Female ISO 1/2"	2400	2160 @ 200°F	
			Tube Fitting 1/8", 1/4", 6MM Female NPT 1/8", 1/4" Female ISO 1/4" Male NPT 1/8", 1/4", 1/2"	3000	390 @ 400°F	ASME B31.3 (Unlisted Components)
			Tube Fitting 3/8"	2200		
			Tube Fitting 1/2"	2100		
			Tube Fitting 3/4"	1800		
			Tube Fitting 8MM	2300		
			Tube Fitting 10MM	1885		
			Tube Fitting 12MM	2030		
			Tube Fitting 18MM	1590		
Female NPT 3/8", 1/2" Female ISO 3/8", 1/2"	2400					

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Product Illustrations



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Configurations

Bodies are available in straight pattern and angle pattern.

Typical Product Characteristics:

Some of the product options listed below affect the pressure-temperature ratings shown in the Summary Table, but in all cases the ratings are less than those shown in the Summary Table. All of the following options are within the scope of this registration:

Stem Packing Options

Polytetrafluoroethylene (PFA)
Ultra High Molecular Weight Polyethylene (UHMWPE)
Polyetheretherketone (PEEK)

O-ring Stem Seal Options

Nitrile
Ethylene Propylene
Silicone
Kalrez

Stem Designs

Regulating
PCTFE soft-seat regulating
PTFE soft-seat regulating

Additional options and non-pressure boundary alterations that do not affect pressure-temperature ratings may be made available within the scope of this registration. Examples of these would include handle options, actuator options, etc.

Quality System

The Swagelok Company quality system complies with the requirements of ISO 9001:2015. The Swagelok Company maintains British Standards Institution 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 registration, but rather details some of the most common options.

- O, 1, 18, 20 and 26 Series Needle Valve Catalog MS-01-164, Rev N

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

