

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 align="center">CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</p> <p><input checked="" type="radio"/> A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p><input type="radio"/> B Flanges: all flanges</p> <p><input type="radio"/> C Valves: all line valves</p> <p><input type="radio"/> D Expansion joints, flexible connections, and hose assemblies: all types</p> <p><input type="radio"/> E Strainers, filters, separators, and steam traps</p> <p><input type="radio"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p><input type="radio"/> G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p><input type="radio"/> H Pressure retaining components that do not fall into one of the above categories</p> <p><input type="radio"/> 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 align="center">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" style="font-size: 2em;">Swagelok</p>	<p align="center">TYPE OF CONSTRUCTION</p> <p>FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input checked="" 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 3) 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 USI 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.

Signature of Declarer: *Joel C. Feldman*

Declared before me at Solon, Ohio

This 18th day of March AD 2020

Commissioner of Oaths
or Notary Public: (sign) *Brenda Hammel*

(Affix Official seal to the right)

USE THIS SPACE FOR THE
OFFICIAL SEAL

<p>This space for Regulatory Authority use</p> <p>This registration must be revalidated after ten (10) years from the date of acceptance.</p>	
<p>CRN: <u>0A22318.5</u></p> <p>FID#: <u>1214</u></p> <p>High Pressure Fittings - A479 316 (strain-hardened Notes: bar) 45000psi @ up to 200F; 33400psi @ 450F</p> <p>1. All fittings shall be registered in the name of the Manufacturer.</p> <p>2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.</p> <p>3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.</p> <p>4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.</p> <p>CRN expires April 6, 2030 - DG</p>	



**Attachment B. Scope for Swagelok High-Pressure Fittings
 (Category A)**

This document represents the scope of the Swagelok High-Pressure Fittings covered by this submission for CRN approval. The High-Pressure Fittings were designed and evaluated in accordance with ASME B31.3-2018 Chapter IX for unlisted components.

Summary Table

Product Series / Tubing Size (inch)	Material (Standard)	Description	Form	Pressure Rating up to 200°F	Pressure Rating at 450°F
440 (1/4")	316 SS (ASTM A479)	High Pressure Tube Fitting	Unions, reducing unions, bulkhead unions, union elbows, union tees, caps, plugs, nuts,	45,000 psi	33,400 psi
640 (3/8")					
940 (9/16")					
44M (1/4")		High Pressure Male Thread Connector	Unions		
64M (3/8")					
94M (9/16")					
440 to 44M, 64M (1/4")		High Pressure Tube Fitting to High Pressure Male Threaded Connectors	Straight Adapter		
640 to 44M, 64M (3/8")					
940 to 64M, 94M (9/16")					
44M to 441 (1/4")		High Pressure Male Thread to Coned Tube Stub	Straight Adapter		
64M to 641 (3/8")					
94M to 941 (9/16")					
440 to 641 (1/4")		High Pressure Tube Fitting to Coned Tube Stub Reducer	Straight Adapter		
640 to 941 (3/8")					
940 to 641 (9/16")					
441 (1/4")		Port Connector	Union		
641 (3/8")					
941 (9/16")					

**THIS IS PART OF CRN
 0A22318.5**
 Technical Standards and Safety Authority
 Boilers and Pressure Vessels Safety
 Program

Product Illustration



THIS IS PART OF CRN
0A22318.5
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

Typical Product Characteristics:

Additional options that do not affect pressure and/or temperature ratings may be made available within the scope of this approval. Examples of these would include the following:

- Special marking
- Special cleaning
- Wire drills

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

Fitting Products - Sno-Trik Series section of Swagelok catalog "Medium- and High-Pressure Fittings, Tubing, Valves, and Accessories" MS-02-472 Rev. L

The above product catalog section does not represent the full scope of registration, but rather details some of the most common options for 316 SS high pressure fittings.

Attachment A. Swagelok Manufacturing Locations

This document lists the Swagelok locations where end item or component level manufacturing activities take place.

THIS IS PART OF CRN
0A22318.5
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

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