



Technical Standards and Safety Authority  
 345 Carlingview Drive  
 Toronto, Ontario M9W 6N9  
 www.tssa.org

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

Swagelok

### STATUTORY DECLARATION

#### Registration of Fittings

I, Joel Feldman, Vice President of Engineering  
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Swagelok Company  
(Name of Manufacturer)

Located at 29500 Solon Road, Solon, Ohio 44139 USA (440) 248-4600 (440) 349-5970  
(Plant Address) (Telephone No.) (Fax No.)

do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.1 for unlisted components, and ASME B31.3 for unlisted components  
(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with \_\_\_\_\_ as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2015 which has been verified by the following authority, BSI

The items covered by this declaration, for which I seek registration, are category C. Valve type fittings. In support of this application, the following information and/or test data are attached as follows:

ISO 9001:2015 Certificate, Attachment A, Attachment B, Catalog Information and other Support Documents  
(drawings, calculations, test reports, etc.)

Declared before me at \_\_\_\_\_ in the \_\_\_\_\_ of \_\_\_\_\_  
 the \_\_\_\_\_ day of \_\_\_\_\_ AD 20\_\_\_\_\_.

Commissioner for Oaths:  
**Unable to get a notary signature or seal due to COVID-19 situation - August 27, 2020**  
(Printed name)  
(Signature)

Joel C. Feldman  
(Signature of Declarer)

#### FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category C.

CRN: 0C22706.5

Registered by: [Signature]

Dated: SEPT 28, 2020



This Document has been digitally signed. The stamp size has been optimized for 11 x 17 documents

Technical Standards and Safety Authority  
 Boilers and Pressure Vessels Safety Program

**REGISTERED**

C.R.N.: 0C22706.5

Signed: [Signature]

Date: September 28, 2020.

NOTE: This registration expires on: SEPT 28, 2030

Scope of registration: See the stamped attachment A and B.

\*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.

## 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



**Attachment B. Scope of CRN Registration for Swagelok Sno-Trik 410, 445, 645 and 945 Series High-Pressure Needle Valves (Category C)**

This document represents the scope of the Sno-Trik 410, 445, 645 and 945 Series High-Pressure Needle Valves covered by this submission for CRN approval. The 410 Series Valves were designed and evaluated in accordance with ASME B31.1 for unlisted components and ASME B31.3 for unlisted components, while the 445, 645 and 945 High-Pressure Needle Valves were designed and evaluated in accordance with ASME B31.3 Chapter IX for unlisted components.

**Summary Table**

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	At maximum temperature	
410	Body	316 SS (ASTM A479)	Female NPT 1/4"	15,000	6085 @ 850°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
445	Body	316 SS (ASTM A479)	Swagelok straight thread high-pressure Female 9/16"	45,000	33,400 @ 450°F	ASME B31.3 Chapter IX (Unlisted Components)
			Medium Pressure 1/4"	20,000	18,600 @ 450°F	
645	Body	316 SS (ASTM A479)	Swagelok straight thread high-pressure Female 3/4	45,000	33,400 @ 450°F	
			Medium Pressure 3/8"	20,000	18,600 @ 450°F	
945	Body	316 SS (ASTM A479)	Swagelok straight thread high-pressure Female 1-1/8	45,000	33,400 @ 450°F	
			Medium Pressure 1/2"	20,000	18,600 @ 450°F	

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## Product Illustration



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## 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 equal to or less than those shown in the Summary Table. All of the following options are within the scope of this registration:

### Stem Material

440C SS  
S17400 SS

### Stem Seal Material

Glass-Filled PTFE  
Grafoil

## 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 registration, but rather details some of the most common options.

- Medium and High-Pressure Fittings, Tubing, Valves and Accessories Catalog MS-02-472, Rev M