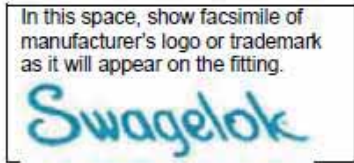


STATUTORY DECLARATION Registration of Fittings

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



located at 29500 Solon Road, Solon, Ohio 44139 USA (see Attachment A)

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

- comply with the requirements of ASME B31.1 and ASME B31.3 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 and are therefore manufactured to comply with as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

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 C 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, (Month) (Year)

Unable to get a notary signature or seal due to COVID-19 situation - August 27, 2020

(print) (a Commissioner of Oaths or Notary Public) (sign) (a Commissioner of Oaths or Notary Public)

(signature of applicant)

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

Registration Number:

Date Registered:

Expiry Date:

2020-05075 ABSA SAFETY CODES ACT - PROVINCE OF ALBERTA ACCEPTED: 0C22706.52 See acceptance letter for conditions of registration. Date: 2020-11-02 By: [Signature]

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

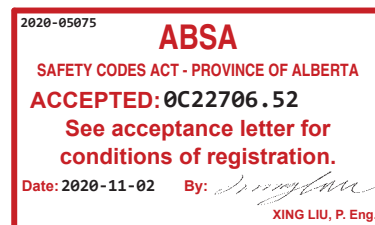
This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

## 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.

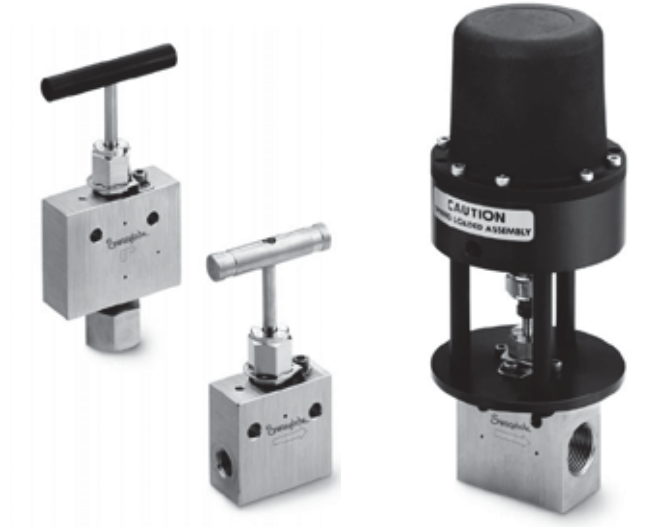
### Summary Table

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	



This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

## Product Illustration



## 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

## 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

November 02, 2020

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

The design submission, tracking number 2020-05075, originally received on October 21, 2020 was surveyed and accepted for registration as follows:

**CRN :** 0C22706.52

**Accepted on:** November 02, 2020

**Reg Type:** NEW DESIGN

**Expiry Date:** September 28, 2030

**Drawing No. :** SNO-TRIK 410 445 645, 945 SERIES

**Fitting type:** VALVE

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 are ASME B31.1 and ASME B31.3.*

- *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 3388 or fax (780) 437-7787 or e-mail Liu@absa.ca.

Sincerely,



LIU, XING, P. Eng.  
DOP Cert. No. D00008861