

STATUTORY DECLARATION Registration of Fittings

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



located at 29500 Solon Road, Solon, Ohio 44139 USA

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...

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 A 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 Solon in the State of Ohio this 18th day of March, 2020 (print) Brenda Hammel (a Commissioner of Oaths or Notary Public) (sign) Brenda Hammel (signature of applicant)

For ABSA Office Use Only:

NOTES: Medium and High Pressure Fittings

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:

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.

2020-02498 ABSA SAFETY CODES ACT - PROVINCE OF ALBERTA ACCEPTED: 0A22318.52 See acceptance letter for conditions of registration. Date: 2020-05-13 By: Ashling Dick, P. Eng.

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.

May 13, 2020

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

The design submission, tracking number 2020-02498, originally received on May 07, 2020 was surveyed and accepted for registration as follows:

CRN : 0A22318.52 **Accepted on:** May 13, 2020
Reg Type: NEW DESIGN **Expiry Date:** April 06, 2030
Drawing No. : SEE ATTACHMENT B FOR SCOPE OF REGISTRATION
Fitting type: MEDIUM-AND-HIGH PRESSURE FITTINGS
Design registered in the name of : SWAGELOK COMPANY

The registration is conditional on your compliance with the following notes:

*** See attachment A for a list of Swagelok manufacturing locations*

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, pressure/temperature 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 3337 or fax (780) 437-7787 or e-mail Dick@absa.ca.

Sincerely,



DICK, ASHLING, P. Eng.
DOP Cert. No. D00007936



**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")					

Product Illustration



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

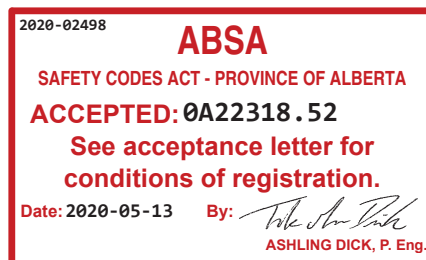
Quality System

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.



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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