



8/24/2020

TSSA
345 Carlingview Drive
Toronto, ON M9W 6N9
CA

Dear Cecylia Garbacz

Re: Reciprocal CRN Registration in Manitoba

Your application indicates that a CRN has been received in another Canadian Jurisdiction, and therefore your CRN has been registered in Manitoba as follows:

File Number: 74-R889
CRN: 0A22318.54
Scope: MEDIUM-AND-HIGH PRESSURE FITTINGS, Attachment A and B
Manufacturer: SWAGELOK COMPANY
Expiry Date: 6/Apr/30

Please find attached invoice for registration.

As indicated by the Regulatory Reconciliation and Cooperation Table and the Reconciliation Agreement for the Canadian Registration Number (CRN) for Pressure Equipment, a CRN issued in any Canadian Jurisdiction will be accepted for use in Manitoba.

In accordance with Steam and Pressure Plants Regulation and CSA B51, it is the manufacturer's responsibility to file a Manufacturers Data Report, including partial data reports, with our office, prior to shipping pressure equipment to Manitoba.

Please contact me directly via email at Cheryl.Lashek@gov.mb.ca for any questions or concerns.

Cheryl Lashek, P.Eng
Director, ITSM
Inspection and Technical Services
Office of the Fire Commissioner
508 - 401 York Avenue, Winnipeg Manitoba R3C 0P8
T (204) 945-3507 | F (204) 948-2309



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 A. Fittings 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 Solon in the state of Ohio
 the 18th day of March AD 2020.

Commissioner for Oaths:

Brenda Hammel
(Printed name)

Brenda Hammel
(Signature)

[Signature]
(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 A

CRN: 0A22318.5

Registered by: [Signature]

Dated: APRIL 6, 2020

Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0A22318.5

Signed: [Signature]

Date: April 6, 2020.

NOTE: This registration expires on: APRIL 6, 2030

See the attached scope of registration- attachment A and B.
 Swagelok high pressure fittings

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



**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")					

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Product Illustration



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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.

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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