



14th Floor, Centre Tower  
3300 Bloor Street West  
Toronto, Ontario  
Canada M8X 2X4  
Tel: 416.734.3300  
Fax: 416.231.1626  
Toll Free: 1.877.682.6772  
[www.tssa.org](http://www.tssa.org)

June 22, 2016

JONATHAN SEEWALD  
SWAGELOK COMPANY  
6565 DAVIS INDUSTRIAL PKWY SUITE A  
SOLON OH 44139  
US

Service Request Type: BPV-Fitting Registration  
Service Request No.: 1883222  
Your Reference No.: STH (SAE/MS) FITTING UNIONED WITH SWAGELOK TUBE ADAPTERS & TUBE FITTINGS  
Registered to: SWAGELOK

Dear JONATHAN SEEWALD,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN No.: 0A18544.5  
Main Design No.: STH (SAE/MS) FITTING UNIONED WITH SWAGELOK TUBE ADAPTERS & TUBE FITTINGS - SEE ATTACHMENT B FOR SCOPE OF REGISTRATION  
Expiry Date: 22-Jun-2026

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

A stamped copy of the approved registration and invoice for engineering services will be mailed to you shortly. Should you have any questions or require further assistance, however, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto:customerservices@tssa.org). We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Zivko Gacevic P. Eng.  
Mechanical Engineer, BPV  
Tel.: 416-734-3429  
Fax: 416-231-6183  
Email: [zgacevic@tssa.org](mailto:zgacevic@tssa.org)



**TECHNICAL STANDARDS & SAFETY AUTHORITY**  
 14th Floor, Centre Tower  
 3300 Bloor Street West  
 Toronto, Ontario  
 Canada M8X 2X4

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, David H. Peace, 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 B31.3 Chapter IX, for unlisted components where applicable

(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 9001:2008 which has been verified by the following authority, BSI

The items covered by this declaration, for which I seek registration, are category A (Swagelok IPT Series Fitting) type fittings. In support of this application, the following information and/or test data are attached as follows:

ISO 9001:2008 Certificate, Sales Drawings and other Support Documents, Attachment B, Attachment A

(drawings, calculations, test reports, etc.)

Declared before me at Solon in the State of Ohio

the 07th day of June AD 2016.

Commissioner for Oaths:

Jamie L. Ristau  
(Printed name)

Jamie L. Ristau  
 Resident-Periote County  
 Notary Public, State of Ohio  
 My Commission Expires: 03/08/2019

Jamie L. Ristau  
(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: 0A18549.5

Registered by: Zivko Gacevic

Dated: JUN. 22, 2016

NOTE: This registration expires on: JUN. 22, 2026

**Technical Standards and Safety Authority**  
**Boilers and Pressure Vessels Safety Program**

**REGISTERED**

CRN: 0A18549.5

Signed: Jaane Zu

Date: JUN. 22, 2016

Note: See the attachments for the scope of registration.  
 z.c. 6/22/16

## Attachment B. Scope of Registration for Swagelok Tube Fittings to SAE MS Ends (Category A)

### Product Scope

This document represents the scope of Swagelok 1/2" and 3/4" Tube Fittings with 1/2" Medium Pressure SAE/MS ends, covered by this submission for CRN approval. The Medium Pressure Fittings have been evaluated in accordance with ASME B31.3 for unlisted components and ASME B31.1 for unlisted components.

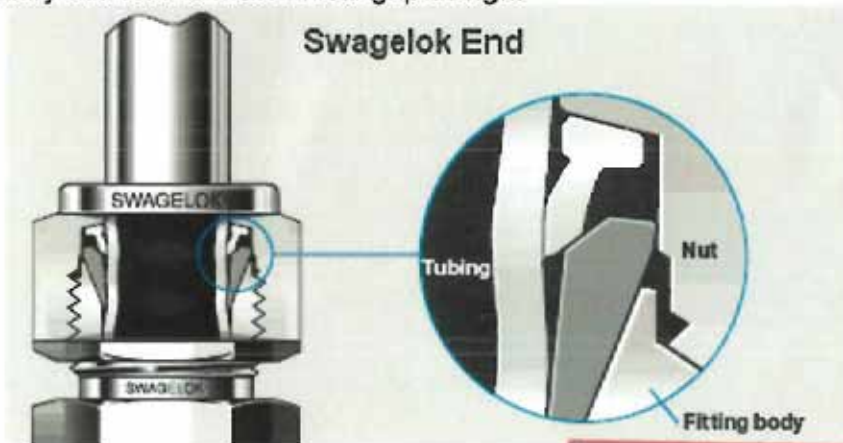
### Summary Tables

Product Description or Series	Material	Port Connections and Sizes	Maximum Allowable Working Pressure		Design Code of Construction
			Ambient temperature	At maximum temperature	
Tube fitting*	316 Stainless Steel (ASTM A479)	Tube Fitting, Tube Adapter 1/2"	6,700 PSI	5,092 PSI @ 1000°F	ASME B31.3 (Unlisted Components)
		Tube Fitting, Tube Adapter 3/4"	5,800 PSI	4,408 PSI @ 1000°F	ASME B31.1 (Listed Components)

\* Note: 1/2" SAE MS port connection rated at 9,137 psi at ambient temperature according to SAE J1926-2, Rev. MAR2010. The tube fitting port connections are thus considered the limiting factor.

### Product Description

Swagelok SAE / MS Medium Pressure Fittings coupled with the tube fittings identified above are furnished as straight shaped fittings. Swagelok Tube Fittings consist of at least one Swagelok End – a proprietary two-ferrule mechanical-grip design.



THIS IS PART OF  
CRN *0A18544.5*  
Technical Standards & Safety Authority  
Boilers & Pressure Vessels  
Safety Program

*Z.G. 6/22/16*

### Quality System

The Swagelok Company quality system complies with the requirements of BS EN ISO 9001:2008. Swagelok Company maintains BSI Certificate of Registration Number FM 01729, which applies to all locations listed on the Certificate.

### References

The product catalogs do not represent the full scope of registration, but rather details some of the most common options.

- Medium and High Pressure Valves, Fittings and Tubing Catalog MS-02-472
- Gaugeable Tube Fittings and Adapter Fittings MS-01-140
- Tubing Data Sheet MS-01-107

