



505 - 6th Street, Suite 200
New Westminster, BC V3L 0E1

Toll Free: 1-866-566-SAFE

Fax: (778) 396 - 2064

www.safetyauthority.ca

TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ON M9W 6N9

Date: July 27, 2016

Account #: 35231

Journal #: 66046

Our File #: 5601252

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your TSSA SR# 1902970, for a Fitting is accepted for registration as follows:

Registered To: SWAGELOK COMPANY

CRN: 0A18544.51

Drawing #: STH-2016 Design Report

Conditions Of Registration:

Reg'n of STH (SAE/MS) Fitting Unioned w/Swagelok Tube Adapters & Tube Fittings per scope sheet.

This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

Reviewer's Notes:

As required by CSA B51 4.2.1, this registration expires on June 22, 2026. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

SHARON PETERS

boiler.designregistration@safetyauthority.ca

Design Administration

cc:

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.

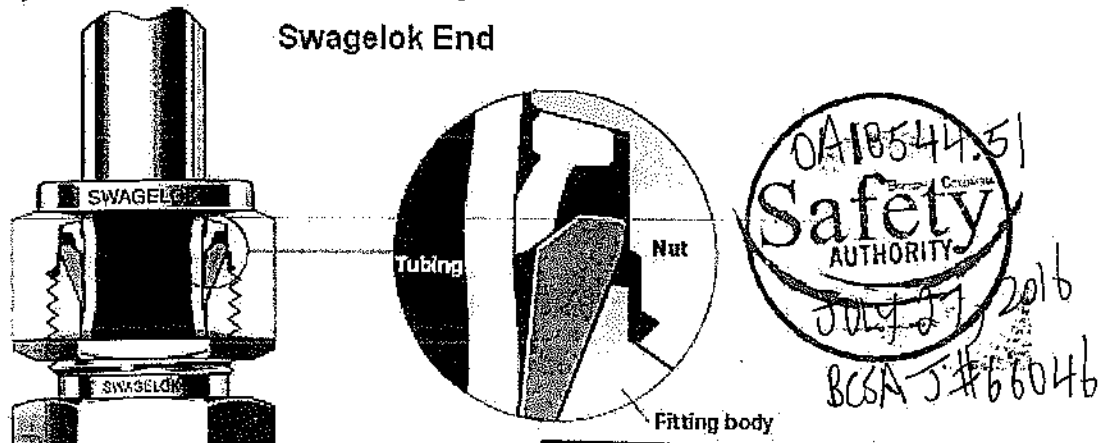
Summary Tables

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 OA18544.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

Z.G. 6/21/16

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

