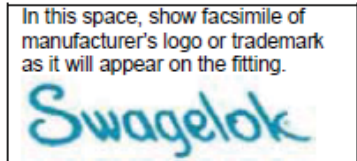




STATUTORY DECLARATION
Registration of Fittings

I, Joel Feldman, Vice President, Engineering
(name of applicant) (position title) (must be in a position of authority)
of Swagelok Company
(name of manufacturer)



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

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 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 in the of
this day of (Month) (Year)

Unable to get a notary signature or seal due to COVID-19 situation
(a Commissioner of Oaths or Notary Public)

DocuSigned by:
11/2/2020 7:54 AM EST
C87CBBFFED3E14B7
(signature of applicant)

For ABSA Office Use Only:

NOTES: See attachment A and B for a list of manufacturing locations and scope of registration.

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: (Signature of the Administrator/SCD)

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 Regulation Pressure Equipment Discipline.

2021-00541
ABSA
SAFETY CODES ACT - PROVINCE OF ALBERTA
ACCEPTED: 0A22932.52
See acceptance letter for conditions of registration.
Date: 2021-02-17 By: ASHLEIGH 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.



Canadian Registration Number Submittal
Category A: Swagelok SS Pipe Fittings



Date: October 27, 2020
Page 1 of 3

Attachment B. Scope of Registration for Swagelok Stainless Steel Pipe Fittings (Category A)

This document represents the scope of Swagelok 316 Stainless Steel Pipe Fittings covered by this submission for CRN approval. These Swagelok 316 Pipe Fittings have been evaluated in accordance with ASME B31.1-2018 for unlisted components and ASME B31.3-2018 for unlisted components.

Summary Table

Product Description or Series	Material (Standard)	Port Connections and Sizes	Maximum Allowable Working Pressure			Design Code of Construction
			Up to 100°F (psig)	At maximum temperature per ASME B31.3 (psig)	At maximum temperature per ASME B31.1 (psig)	
Pipe Fittings (See the Configurations section for size limitations on elbows, tees, crosses, and plugs)	316 SS (ASTM A479) straight fittings	NPT Male standard design 1/16 - 2 inch	11 000 - 3900	8410 - 2980 @1000°F	6210 - 2200 @1000°F	ASME B1.20.1 is listed in both ASME B31.1 and B31.3
		NPT Female, standard design 1/16 - 2 inch	6700 - 3900	5120 - 2980 @1000°F	3780 - 2200 @1000°F	
		NPT Male and Female 10 ksi design 1/4 - 1/2 inch	10 000	7650 @1000°F	5650 @1000°F	
		NPT Male Hollow Hex Plug Design 1/8 - 1/2 inch	6600 - 4900	3720 - 2760 @1000°F	5040 - 3740 @1000°F	
		ISO-7 (tapered) (RT) Male 1/16 - 2 inch	11 000 - 3900	8410- 2980 @1000°F	6210 - 2200 @1000°F	Unlisted Component in both ASME B31.1 and ASME B31.3
		ISO-7 (tapered) (RT) Female 1/16 - 2 inch	6700 - 3900	5120 - 2980 @1000°F	3780 - 2200 @1000°F	
		ISO-7 tapered (RT) Male Hollow Hex Plug 1/8-1/2 inch	6600 - 4900	3720 - 2760 @1000°F	5040 - 3740 @1000°F	
	F316 SS (ASTM A182) shaped fittings	NPT Male and Female standard design 1/8 - 1 inch	5000 - 4000	3820 - 3060 @1000°F	2820 - 2260 @1000°F	ASME B1.20.1 is listed in both ASME B31.1 and B31.3
		ISO-7 (tapered) (RT) Male and Female 1/8 - 1 inch	5000 - 4000	3820 - 3060 @1000°F	2820 - 2260 @1000°F	Unlisted Component in both ASME B31.1 and ASME B31.3
	316 SS (ASTM A479) straight fittings	ISO/BSP (parallel) RS Male 1/8-1 inch	5800 - 3620 with FKM bonded gasket*	5800 - 3620 @400°F with FKM bonded gasket*	5800 - 3620 @400°F with FKM bonded gasket*	Unlisted Component in both ASME B31.1 and ASME B31.3
		ISO/BSP (parallel) AG (RG) Female 1/4 - 1/2 inch	4063 with copper gasket*	4063 @400°F with copper gasket*	4063 @400°F with copper gasket*	
		UN/UNF(SAE) ST Male Stud & Female 1/8 - 1-1/2 inch	5076 - 2538*	5076 - 2538 @400°F*	5076 - 2538 @400°F*	
		Union Ball Joint (UBJ with Female NPT) 1/8 - 1 inch	8400 - 4600	6426 - 3519 @1000°F	4746 - 2599 @1000°F	
		UNJ (JIC) AN Male & Female 1/4 - 1 inch	10 000 - 5000	7600 - 3800 @1000°F	5600 - 2800 @1000°F	SAE J514 listed in ASME B31.3, unlisted in ASME B31.1

*Pressure rating is gasket-dependent or O-Ring dependent

Product Description

Swagelok Pipe Fittings are furnished in a variety of configurations and shapes (straight, elbow, tee or cross). The table above, as well as the "Configurations" section, covers a variety of other end connections.



Configurations

1. Nipples. (Close, Hex, Adapter, Reducing, Long)

Male NPT, adapting to RT (ISO Taper), RS (ISO/BSP Parallel), ST (SAE), and reducing to other sizes



2. Male and Female Adapters / Couplings / Reducers

Male and Female NPT, adapting to RT (ISO Taper), AG/RG (ISO/BSP Parallel), RS (ISO/BSP Parallel), ST (SAE), AN (JIC) and reducing to other sizes

Male and Female ST (SAE), adapting to AN (JIC) and reducing to other sizes



3. Elbows / Street Elbows / Tees / Street Tees / Crosses

Male and Female NPT, and reducing to other sizes

Elbows, Tees and Crosses are limited to a maximum size of one-inch in stainless steel.



4. Union Ball Joints

With Female NPT connections



5. Caps and Plugs

Male NPT, RT (ISO Taper), ST (SAE)

Male NPT and RT Hollow Hex Plugs limited to a range of 1/8 inch to 1/2 inch.



(For dimensions see catalog.)

Product Options:

The product options listed below affect pressure and/or temperature ratings shown in the above Summary Table, but in all cases the ratings are less than, or equal to, those shown in the table.

1. RS gaskets:
 - a. Metal-and-elastomer bonded
 - b. Non-bonded stainless steel
 - c. Copper
2. RG gaskets:
 - a. Copper
 - b. Nickel
 - c. PTFE
3. Sealant for tapered pipe threads (NPT and ISO-7):
 - a. Curable resin with PTFE
 - b. PTFE tape

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:

1. Special marking
2. Special cleaning
3. Wire drills
4. Special long fitting lengths
5. Snubbers/frits and orifice plates
6. Equivalent metric or fractional hex sizes

All the above product options are within the scope of this approval.

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 the registration but rather details some of the most common options.

- Pipe Fittings MS-01-147, Rev Q

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



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.

February 17, 2021

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

The design submission, tracking number 2021-00541, originally received on February 02, 2021 was surveyed and accepted for registration as follows:

CRN : 0A22932.52 **Accepted on:** February 17, 2021
Reg Type: NEW DESIGN **Expiry Date:** January 12, 2031
Drawing No. : ATTACHMENT A & B
Fitting type: STAINLESS STEEL PIPE FITTINGS
Design registered in the name of : SWAGELOK COMPANY

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

*** See attachment A and B for a list of Swagelok manufacturing locations, and scope of registration*

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

Sincerely,



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