

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR


MANUFACTURERS NAME: <u>Swagelok Company</u>	
MANUFACTURERS ADDRESS: <u>29500 Solon Road, Solon, Ohio 44139 USA</u>	
PLANT LOCATIONS: <u>Headquarters: 29500 Solon Road, Solon, Ohio 44139 USA (See Attachment A)</u>	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY <input checked="" type="checkbox"/> A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers <input type="checkbox"/> B Flanges: all flanges <input type="checkbox"/> C Valves: all line valves <input type="checkbox"/> D Expansion joints, flexible connections, and hose assemblies: all types <input type="checkbox"/> E Strainers, filters, separators, and steam traps <input type="checkbox"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters <input type="checkbox"/> G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs <input type="checkbox"/> H Pressure retaining components that do not fall into one of the above categories <input type="checkbox"/> I Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> , (Meeting AECB or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.1 for unlisted components, ASME B31.3 for unlisted components
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT <div style="font-size: 2em; text-align: center; font-family: cursive;">Swagelok</div>	TYPE OF CONSTRUCTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input checked="" type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: ISO 9001:2015 Certificate, Attachment A, Attachment B, Catalog Information and other Support Documents	

DECLARATION:

I Joel Feldman, Vice President, Engineering (page note 2) employed by Swagelok Company and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by BSI as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]
 Declared before me at Solon, Ohio
 This 18th day of March AD 2020
 Commissioner of Oaths or Notary Public: (sign) [Signature]
 (Affix Official seal to the right)

USE THIS SPACE FOR THE
OFFICIAL SEAL

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of registration. CRN: <u>0A22391.5</u> FID#: <u>1214</u> Stainless steel Industrial Weld Fittings Notes: MPW, PSW, TSW, MTW series 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years. CRN expires May 4, 2030 - DG	 Northwest Territories REGISTERED UNDER THE AUTHORITY OF THE BOILER AND PRESSURE VESSEL ACT. C.R.N. <u>0A22391.5T</u> SIGNED <u>[Signature]</u> DATE <u>May 29, 2020</u>
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Attachment B. Scope of Registration for Swagelok Stainless Steel Industrial Weld Fittings (Category A)

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

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 Technical Standards and Safety Authority
 Boilers and Pressure Vessels Safety Program

Summary Table

Product Series / Description	Material (Standard)	Connections and Sizes (Inch)	Maximum Working Pressure (psig)		Design Code of Construction
			Up to 100°F	At maximum temperature 1000°F	
MPW (male pipe butt weld)	316 SS (ASTM A479) For straight fittings	MPW Adapter Ends and Connector Ends (1/4" - 1")	10 300 - 6000	5768 - 3360	ASME B31.1 (Unlisted Components)
PSW (pipe socket weld)		PSW Unions, Adapter Ends and Connector Ends (1/4" - 1")	8100 - 6100	4536 - 3416	
TSW (tube socket weld)	F316 SS (ASTM A182) For shaped fittings	TSW Unions, Adapter Ends and Connector Ends (1/4" - 1")	10 700 - 5300	5992 - 2968	ASME B31.3 (Unlisted Components)
MTW (male tube butt weld)		MTW Adapter Ends and Connector Ends (1/4" - 1")	11 200 - 5300	6272 - 2968	

Product Description

Swagelok Weld Fittings are furnished in a variety of configurations - Male Pipe Weld (MPW), Pipe Socket Weld (PSW), Tube Socket Weld (TSW) and Male Tube Weld (MTW) – straight fittings and shapes (elbows, tees or crosses). Swagelok Weld Fittings consist of at least one weld end and a variety of other end connections as noted in the Weld Fitting catalog. The table above, as well as the “Configurations” section below, cover a variety of combinations.

Configurations

1. Unions.



Male pipe weld to Tube socket weld or Male tube weld to Tube socket weld



Tube socket weld union or Pipe socket weld



Tube socket weld union elbow



Tube socket weld union tee



Tube socket weld union cross

2. Male and Female connectors / adapters



Tube socket weld to male NPT connector



Tube socket weld to female NPT connector



Tube socket weld to male NPT elbow



Tube socket weld to female NPT elbow

(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. Sealant for tapered pipe threads (NPT and ISO-7):
 - a. Curable resin with PTFE
 - b. PTFE tape

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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

All the above options, those that affect pressure and/or temperature ratings and those that do not, 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 listed below does not represent the full scope of the registration but rather details some of the most common options.

- Weld Fittings, Ultra High Purity, Special Cleaned and Industrial MS-01-149 Rev. O

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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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