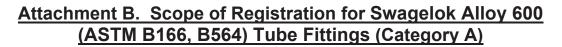
UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR			
MANUFACTURERS NAME	Swagelok Company					
MANUFACTURERS ADDR	0	d, Solon, Ohio 44139 USA				
PLANT LOCATIONS: 110		n Road, Solon, Ohio 44139 USA (See /	Attachment A)			
CATEGORY OF	FITTINGS TO BE REGISTER	ED. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION			
Pipe fillings, including of B Flanges: all flanges Valves: all flanges Valves: all fine valves Expansion johts, flaxible Strainers, filters, separa Measuring devices, inch pressure transmitters G Certified capacity-rated boilers, pressure vesses H Pressure retaining com	ouplings, tees, elbows, Ys, plus a connections, and hose asse- lors, and steam traps wing pressure gauges, level g pressure railef devices accept is, piping and fusible plugs soments that do not fall into on	ogs, unions, pipe caps, or reducers molies: ell types pauges, sight glasses, levels, or table as primary over pressure protection on as of the above categories	ASME B31.1 for unlisted components, ASME B31.3 for unlisted components			
N Nuclear components: C	lusa 1 [] Cluas 2 [] Class 3	OD, (Meeting AECB or ASME requirements) LOGO AS IT WILL APPEAR ON THE PRODU	GT TYPE OF CONSTRUCTION			
Sw	agelok	_	PORDED SI WELDER D WINDUCHT AL CAST D CHAR D DESCRIBE OTHER			
LIST OF SUPPORTING D	OCUMENTATION AND IDEN	ITIFICATION OF THE ACTUAL ITEMS TO BE	REGISTERED:			
responsibility for the qua my knowledge represent temperature ratings, and manufacture of these fit	is the product for which reg Identification markings are ings is regulated by a Qual	olemniy declare that the information control platration is sought. The dimensions, make a in accordance with the herein named sta- lity Control Program which extends to each as being suitable for	h plant where fabrication occurs in whole or that purpose and I make this solemn			
deciamtion conscientiou Signature of Declarer:	sty believing it to be true, a	and knowing that it is of the same force an	d effect as if made under oath.			
Declared before me at This 3 day of Commissioner of Oaths			IS SPACE FOR THE FICIAL SEAL			
or Notary Public: (skgn)	(Affix Official soal to the	ANA STATE OF THE PROPERTY OF T				
		This space for Regulatory Authority use revalidated after ten (10) years from the d	ale of acceptance.			
50.83		teatmented and ten (10) James to the or	ACCEPTED			
B166 N06600 m	B166, B564) Tube F aterial the annealed b	Fittings.Note: For c.R.N	PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES, LAND & ENVIRONMENT C.R.N. OA 22314.59			
forms and one come of at	e supported with two Statutory apporting documentation, be made by the person having	Remoder entropy	5-			
responsibility for the qua 4. Quality control progra at a maximum interval of	lity of the end product.		INSPECTION SERVICES SECTION BOILER/PRESSURE VESSEL BRANCH			



This document represents the scope of Swagelok Inconel Alloy 600 Tube Fittings covered by this submission for CRN approval. These Swagelok Tube Fittings have been evaluated in accordance with ASME B31.3 for unlisted components and ASME B31.1 for unlisted components.

Summary Table

wagelok

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Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety

	Material (Standard)	Port Connections and	Maximum Allowable Working Pressure		Program
Product Description or Series					Design Code of
		Sizes	Up to 100°F	At maximum temperature	Construction
Gaugeable Tube Fittings and Adapter Fittings	Alloy 600 (ASTM B166 / ASTM B564)	Swagelok End Connection 1/4, 3/8, 1/2 inch 6mm, 10mm, 12mm	See Table below	See Table below	ASME B31.1 (Unlisted Components)
					ASME B31.3 (Unlisted Components)
		NPT Male 1/16 - 1 inch	11 000 – 5300 psig	8800 - 4240 psig @ 900°F (482°C)	ASME B31.1 (Unlisted Components)
			11 000 – 5300 psig	3300 - 1590 psig @ 1000°F (537°C)	ASME B31.3 (Unlisted Components)
		NPT Female 1/16 - 1 inch	6700 – 4400 psig	5360 - 3520 psig @ 900°F (482°C)	ASME B31.1 (Unlisted Components)
			6700 – 4400 psig	2010 - 1320 psig @ 1000°F (537°C)	ASME B31.3 (Unlisted Components)

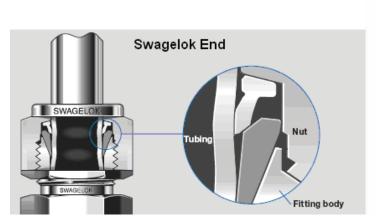
Alloy 600 Swagelok Tube Fitting Pressure Rating Table

	Maximum Allowable Working Pressure				
Swagelok End Connection Size	Up to 100°F	At maximum temperature 900°F (482°C) ASME B31.1	At maximum temperature 1000°F (537°C) ASME B31.3		
1/4	10 200 psig	5814 psig	3570 psig		
3/8	6500 psig	3705 psig	2275 psig		
1/2	5100 psig	2907 psig	1785 psig		
6mm	670 bar	381 bar	234 bar		
10mm	380 bar	216 bar	133 bar		
12mm	310 bar	176 bar	108 bar		



Product Description

Swagelok Fittings are furnished in a variety of configurations and shapes (straight, elbow, tee or cross). Swagelok Fittings consist of at least one Swagelok End – a proprietary two-ferrule mechanical-grip design. The table below, as well as the "Configurations" section, covers a variety of other end connections.





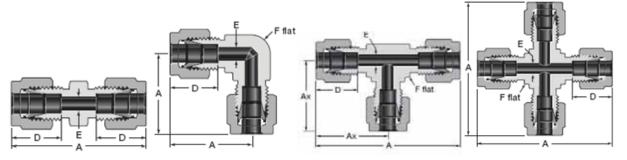
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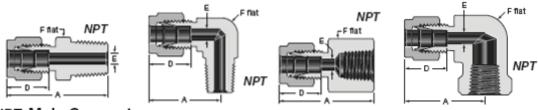
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

Configurations

1. Unions.



2. Male and Female connectors / adapters.



NPT Male Connectors

Female Connectors

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Product Options:

Some of the product options listed below affect the pressure-temperature ratings in the "Scope of Registration" section above, but in all cases the pressure ratings are the same or less than those shown in the Summary Table on page 1.

- Tapered pipe thread (NPT) sealant:
 - o Curable resin with PTFE
 - PTFE tape
- Bored through fittings
- Plastic ferrules, (Nylon, Teflon, PEEK)

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
- bulkhead configurations
- Snubbers/frits and orifice plates

All of 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.

Swagelok Company maintains BSI Certificate of Registration Number FM 01729, which applies to all locations listed on the Certificate.

THIS IS PART OF CRN

0A22314.5

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety

References

The product catalog does not represent the full scope of the registration but rather details some of the most common options.

- Gaugeable Tube Fittings and Adapter Fittings MS-01-140, Rev Y
- Swagelok Tubing Data Sheet MS-01-107, Rev N

Attachment A. Swagelok Manufacturing Locations

This document lists the Swagelok locations where end item or component level manufacturing activities take place.

THIS IS PART OF CRN

0A22314.5

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety

Program

	Program		
Swagelok Company	Swagelok Company (Falon 1)		
29500 Solon Road	348 Bishop Road		
Solon, Ohio 44139	Highland Heights, Ohio 44143		
USA	USA		
Swagelok Company (Highland)	Swagelok Company (Falon 2)		
318 Bishop Road	358 Bishop Road		
Highland Heights, Ohio 44143	Highland Heights, Ohio 44143		
USA	USA		
Swagelok Company (OFC)	Swagelok Company (HPF)		
29495 F.A. Lennon Drive	6050 Cochran Road		
Solon, Ohio 44139	Solon, Ohio 44139		
USA	USA		
Swagelok Company (Atlantic)	Swagelok Company (Snow Metal)		
26651 Curtiss Wright Parkway	6060 Cochran Road		
Willoughby Hills, Ohio 44092	Solon, Ohio 44139		
USA	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)	Swagelok Company (Strongsville)		
29900 Solon Industrial Parkway	15400 Foltz Road		
Solon, Ohio 44139	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		