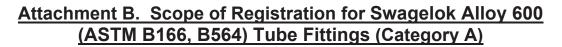
UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

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MANUFACTURERS NAME:	Swagelok Company				
MANUFACTURETUS ADDRESS					
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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

			Maximum Allowable Working		Program
Product Description or Series Material (Standard)	Port Connections and	Pressure		Design Code of	
	(Standard)	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)
	NET Male 1/10 - Fillon	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)

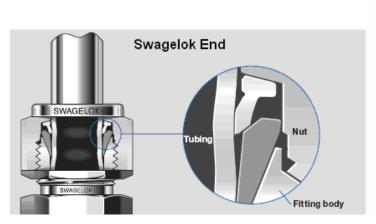
Alloy 600 Swagelok Tube Fitting Pressure Rating Table

	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.





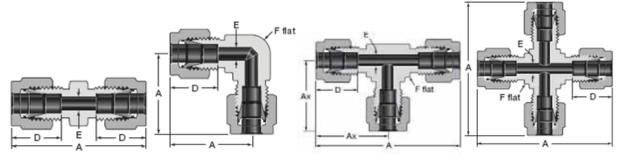
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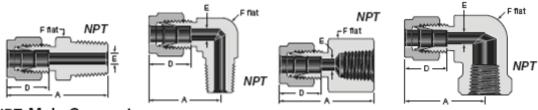
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

Configurations

1. Unions.



2. Male and Female connectors / adapters.



NPT Male Connectors

Female Connectors

February 6, 2020 Page 3 of 3

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.

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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	