

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

DECLARATION:
 I, Joel Feldman, Vice President, Engineering (see note 3), 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: *Joel C. Feldman*
 Declared before me at SOLON, STATE OF OHIO
 This 31 day of JANUARY AD 2023
 Commissioner of Oaths
 or Notary Public: (sign) *Jeffrey C. Trumbull*
 (Affix Official seal to the right)

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JEFFREY C. TRUMBULL
 Notary Public
 State of Ohio
 Recorded in Lake County THE
 Certificate # 2020-RE-813683
 My Commission Expires
 April 15, 2025

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance. Newfoundland and Labrador	
CRN: <u>0A24574.5</u>	Registered <u>0A24574.50</u>
FID#: <u>1214</u>	Date: <u>JUNE 16, 2023</u>
Scope: TTW Series Thermowell Tees. Up to 4900psi @ up to 100F; DT 1000F. 15 plant locations. Notes: CRN expires May 12th, 2033 (DGallant)	Engineering and Inspection Services Registered by: <u><i>[Signature]</i></u>
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.	UNDER THE AUTHORITY OF THE PUBLIC SAFETY ACT AND THE BOILER, PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS



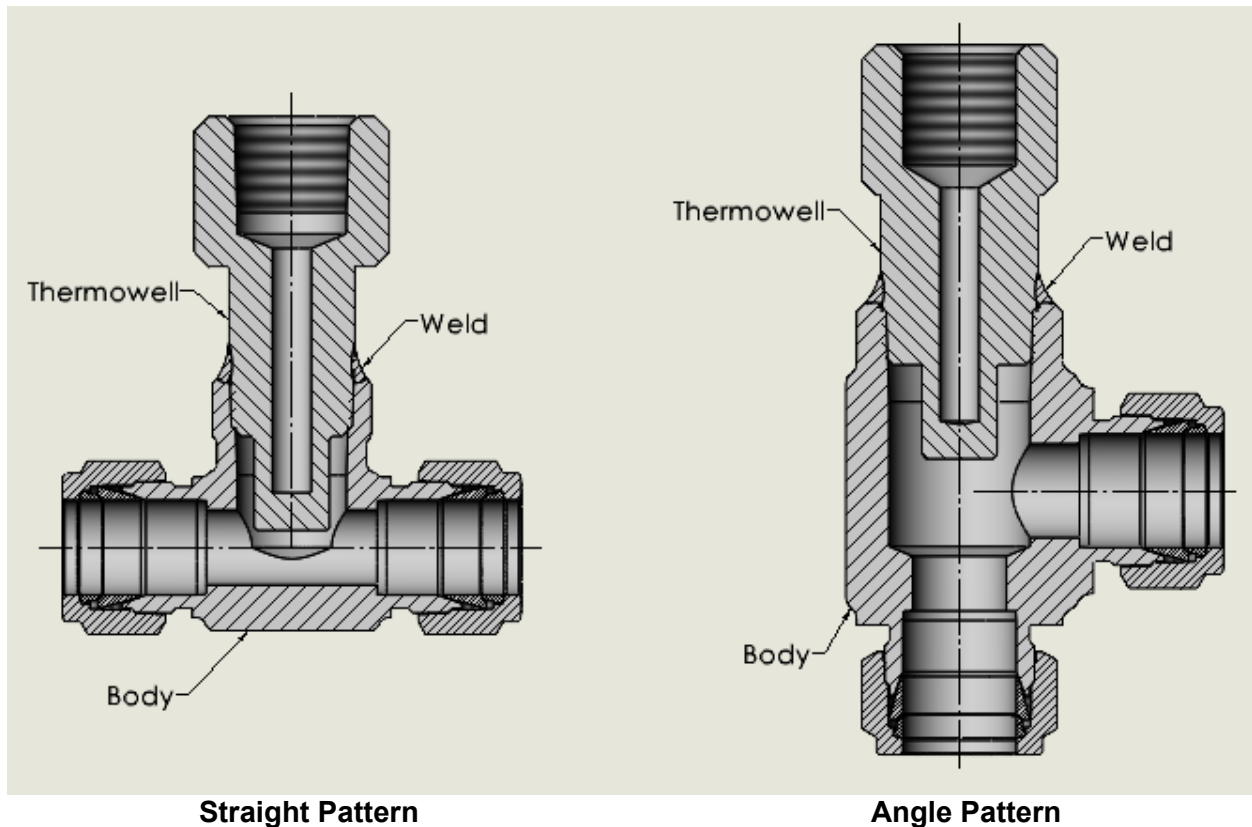
Attachment B: Scope of CRN Registration for Swagelok TTW Series Thermowell Tees (Category A)

This document represents the scope of the TTW Series Thermowell Tees covered by this submission for CRN approval. The products have been evaluated in accordance with ASME B31.1-2020 for unlisted components and ASME B31.3-2020 for unlisted components.

Summary Table

Product Description or Series	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Rated Pressure (psig)			Design Code of Construction
				Up to 100°F	At 1000°F per ASME B31.1	At 1000°F per ASME B31.3	
TTW Series Thermowell Tees (Straight and Angle Pattern)	Body	F316 SS (ASTM A182) and S31600/S31603 (ASTM A479)	Swagelok Tube Fitting 3/8", 1/2", 5/8", 12MM, 16MM Female 1/2" NPT seal welded	4900	2760	3720	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
			Swagelok Tube Fitting 3/4", 1", 18MM Female 3/4" NPT seal welded	4600	2590	3490	
			Female NPT 1/2" Male NPT 1/2" Female 1/2" NPT seal welded	4400	2480	3360	
			Female NPT 3/4" Male NPT 3/4" Female 3/4" NPT seal welded	4000	2260	3060	

Product Illustration



Straight Pattern

Angle Pattern

Typical Product Characteristics

Additional options that do not affect pressure-temperature ratings may be made available within the scope of this registration.

Quality System

The Swagelok Company quality system complies with the requirements of BS EN ISO 9001:2015. The Swagelok Company maintains BSI Certificate of Registration Number FM 01729, which applies to all locations listed on the Certificate.

References

Temperature Measurement Devices TTW Series Thermowell Tees Catalog MS-02-353, Rev F