

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES


NEWFOUNDLAND AND LABRADOR

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|---|--|
| 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 Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N 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 align="center">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 checked="" 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 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)

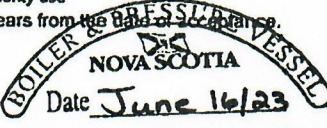


 JEFFREY C. TRUMBULL
 Notary Public
 State of Ohio
 Recorded in Lake County
 Certificate # 2020-RE-813693
 My Commission Expires
 April 15, 2025

This space for Regulatory Authority use

This registration must be revalidated after ten (10) years from the date of issuance.

CRN: 0A24574.5
 FID#: 1214
 Scope: TTW Series Thermowell Tees. Up to 4900psi @ up to 100F; DT 1000F. 15 plant locations.
 Notes: CRN expires May 12th, 2033 (DGallant)

- All fittings shall be registered in the name of the Manufacturer.
- Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
- The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
- Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.


 Date June 16/23
 C.R.N. 0A24574.58
 Dwg. as described
 Signed *[Signature]*
1 of 1
 Part




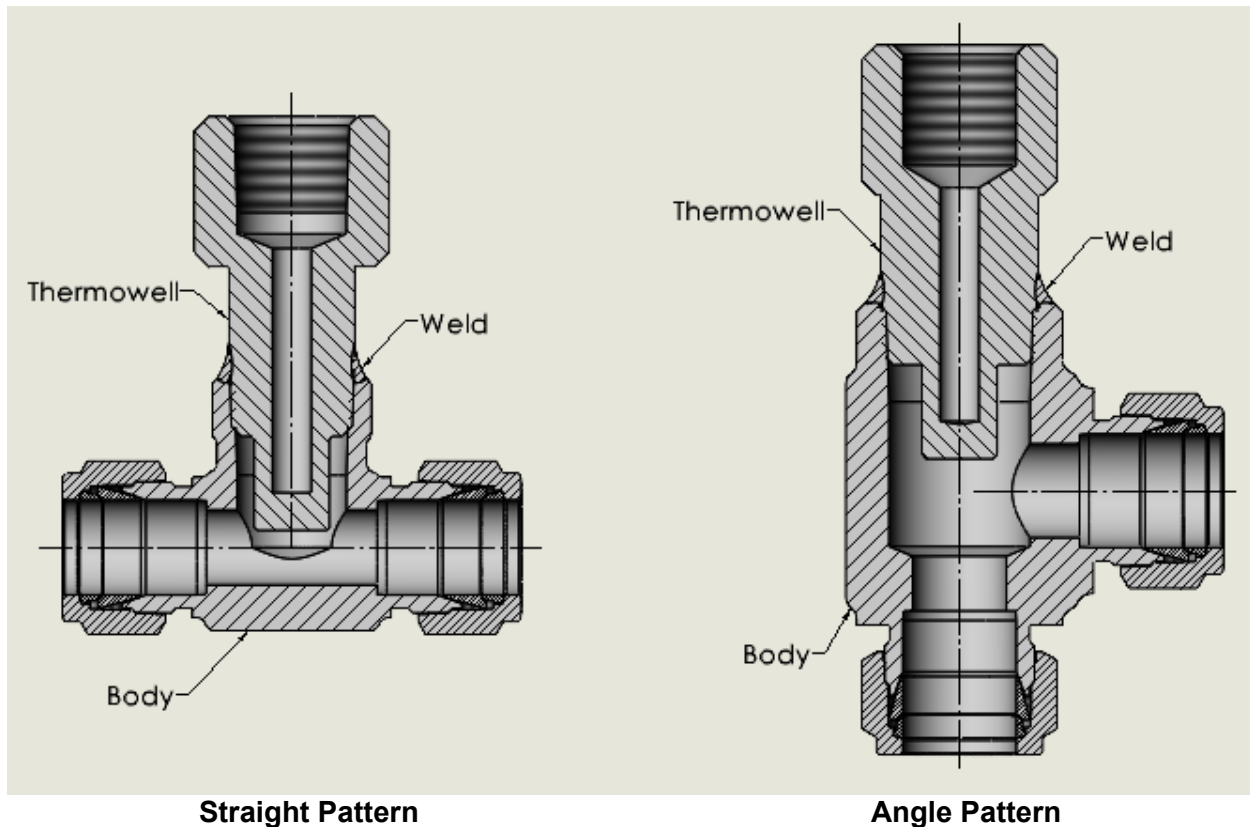
Attachment B: Scope of CRN Registration for Swagelok TTW Series Thermowell Tees (Category A)

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



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