



TECHNICAL STANDARDS & SAFETY AUTHORITY
 14th Floor, Centre Tower
 3300 Bloor Street West
 Toronto, Ontario
 Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



STATUTORY DECLARATION Registration of Fittings

I, David H. Peace, Vice President of Engineering
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Swagelok Company
(Name of Manufacturer)

Located at 29500 Solon Road, Solon, Ohio 44139-3492 (Plant Address) (440) 248-4600 (Telephone No.) 440-519-7384 (Fax No.)

do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.1 and ASME B31.3 for Unlisted Components
(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2008 which has been verified by the following authority, QMI.

The items covered by this declaration, for which I seek registration, are category H type fittings. In support of this application, the following information and/or test data are attached as follows:
ISO 9001:2008 Certificate, Catalog Information, Support Documents, Attachment A
(drawings, calculations, test reports, etc.)

Declared before me at Solon in the State of Ohio

the 21st day of March AD 2014.

Commissioner for Oaths:

Jamie L Ristau (Printed name)
Jamie L Ristau (Signature)
Jamie L Ristau
 State of Ohio, Portage Co.
 My Commission Expires March 2019

[Signature] (Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category H.

CRN: OH12871.5

Registered by: K. Kei

Dated: Sept. 11/14

NOTE: This registration expires on: Sept. 11/2024

Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program

REGISTERED

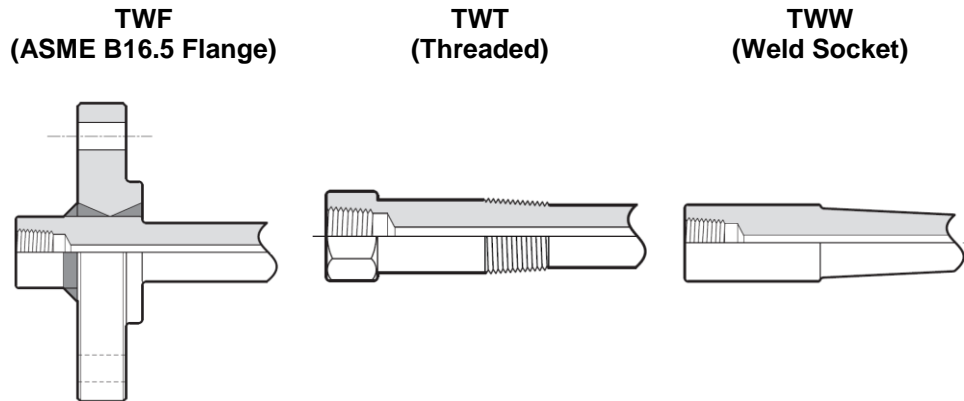
CRN: OH12871.5 R1
 Signed: [Signature]
 Date: Sept. 11/14

PV 09553 (11/12) See one sheet of attachment for scope. Kk 9/11/14

Attachment A. Scope of Registration for Swagelok Thermowells (Category H)

This document represents the scope of Swagelok Thermowells covered by this CRN approval. These thermowells have been evaluated in accordance with ASME B31.3 and ASME B&PV Code Section VIII Division 1.

Product Description



Summary Table

Series	Port Connections and Sizes	Material	Maximum External Pressure		Design Code of Construction
			Up to 70° F	At Maximum Temperature	
TWF	1 in. ASME class 150 1 ½ in. ASME class 150 2 in. ASME class 150	304 SS (ASTM A479) (ASTM A182)	275 psig	20 psig @ 1000°F	ASME B31.3 and B&PV Code Section VIII Div.1
		316 SS (ASTM A479) (ASTM A182)	275 psig	20 psig @ 1000°F	
	1 in. ASME class 300 1 ½ in. ASME class 300 2 in. ASME class 300	304 SS (ASTM A479) (ASTM A182)	720 psig	40 psig @ 1000°F	
		316 SS (ASTM A479) (ASTM A182)	720 psig	40 psig @ 1000°F	
TWT (reduced shank)	½ in. male NPT ¾ in. male NPT	304 SS (ASTM A479)	6300 psig	3300 psig @ 1000°F	
		316 SS (ASTM A479)	6300 psig	3500 psig @ 1000°F	
TWT (tapered shank)	½ in. male NPT ¾ in. male NPT	304 SS (ASTM A479)	6300 psig	3300 psig @ 1000°F	
		316 SS (ASTM A479)	6300 psig	3500 psig @ 1000°F	
TWW	¾ in. pipe 1 in. pipe	304 SS (ASTM A479)	6400 psig	4400 psig @ 1000°F	
		316 SS (ASTM A479)	6500 psig	2900 psig @ 1000°F	

Product Options:

Additional options and non-pressure boundary alterations that do not affect the pressure-temperature ratings may be made available within the scope of this approval. Examples of these include the following:

- Variable stem lengths
- G1/2B instrument connection
- Stainless steel cap and chain

Quality System

The Swagelok Company quality system complies with the requirements of BS EN ISO 9001:2008. The Swagelok Company maintains British Standards Institution Certificate of Registration Number FM 01729, which applies to all locations listed on the Certificate.

References

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

- Temperature Measurement Devices, Bimetal Thermometers and Thermowells, Product Catalog MS-02-353 R2