

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURER'S NAME: <u>Swagelok Company</u>	
MANUFACTURER'S ADDRESS: <u>29500 Solon Road, Solon, Ohio 44139-3492</u>	
PLANT LOCATIONS: <u>Headquarters: 29500 Solon Road, Solon, Ohio 44139-3492 (See Attachment A)</u>	
<p align="center">CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</p> <p><input checked="" type="radio"/> A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p><input type="radio"/> B Flanges: all flanges</p> <p><input type="radio"/> C Valves: all line valves</p> <p><input type="radio"/> D Expansion joints, flexible connections, and hose assemblies: all types</p> <p><input type="radio"/> E Strainers, filters, separators, and steam traps</p> <p><input type="radio"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p><input type="radio"/> G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p><input type="radio"/> H Pressure retaining components that do not fall into one of the above categories</p> <p><input type="radio"/> 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>ASME B31.1 and B31.3 Unlisted Components</p>
<p>SHOW MANUFACTURER'S 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 checked="" type="checkbox"/> DESCRIBE OTHER: <u>Injection Molding</u></p>
<p>LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</p> <p>ISO 9001:2008 Quality System Certificate, Support Documents, Attachment B, Catalog Information</p>	

DECLARATION:

I, David H. Peace (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 The British Standards Institution 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: [Signature]

Declared before me at Solon Ohio USA

This 21 day of October AD 2013

Commissioner of Oaths or Notary Public: (sign) [Signature]

USE THIS SPACE FOR THE OFFICIAL SEAL

Lori A. Server, Notary Public
State of Ohio, Summit County
My Commission Expires April 13, 2015

<p>This space for Regulatory Authority use</p> <p>This registration must be revalidated after ten (10) years from the date of acceptance.</p>	
<p>CRN: <u>0A6054.5 Rev.2</u></p> <p>FID#: <u>1214</u></p>	<p>Newfoundland Laborator Service NL</p> <p>Registered <u>0A6054.50 Rev.2</u></p> <p>Date <u>15/08/14</u></p> <p>Engineering and Inspection Services Registered <u>[Signature]</u></p> <p align="center">UNDER THE AUTHORITY OF THE PUBLIC SAFETY AND THE BOILER, PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS</p>
<p>Notes:</p> <p>1. All fittings shall be registered in the name of the Manufacturer.</p> <p>2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.</p> <p>3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.</p> <p>4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.</p>	

Attachment B. Scope for Swagelok PFA Tube Fittings (Category A)

Product Scope

This document represents the scope of the PFA Tube Fittings covered by this submission for CRN approval. The Swagelok PFA Tube Fittings were designed and evaluated in accordance with ASME B31.1 for unlisted components and ASME B31.3 for unlisted components.

Summary Table

The following table outlines key technical data for the products in scope of this application. Also included are standards for the materials of construction of the PFA Fittings.

Product Series	Main Pressure Bearing Component	Main Pressure Bearing Material	Port Connections and Sizes	Maximum Rated Pressure		Design Code of Construction
				Ambient Temperature (70°F)	Maximum Temperature (140°F)	
PFA-220	Body	PFA (ASTM D3307)	PFA Tube Fitting 1/8"	150 psi	150 psi	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
PFA-420	Body	PFA (ASTM D3307)	PFA Tube Fitting ¼"	150 psi	150 psi	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
PFA-620	Body	PFA (ASTM D3307)	PFA Tube Fitting 3/8"	125 psi	109 psi	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
PFA-820	Body	PFA (ASTM D3307)	PFA Tube Fitting ½"	80 psi	74 psi	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)

ASME B31.1 Section 105.3 limits the product ratings in non-metallic piping systems to a maximum pressure of 150 psi (10.3 bar) and a maximum temperature of 140 °F (60 °C).



Product Illustration



Typical Product Characteristics:

Some of the product options listed below do not affect the pressure-temperature ratings shown in the Summary Table. All of the following options are within the scope of this registration:

- Caps and Plugs

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. The PFA Tube Fittings are manufactured at Swagelok Company locations in Solon, Ohio and Tromode, Isle of Man, British Isles.

References

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

- PFA Tube Fitting Catalog MS-01-05, R8

