

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 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 CNSC 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"><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 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 SOLEM, STATE OF OHIO

This 13 day of MARCH 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 acceptance.

CRN: 0A24656.5

FID#: 1214

Notes:

- 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.

Scope: Dielectric fittings. 15 plant locations. Material: 11/2016 A276 Cond.S, A479 Str.Hard. Level2 316SS.
 CRN expires July 11th, 2033 (DGallant)

Sect 1.0 - Fittings Rev.2

Attachment B. Scope of Registration for Swagelok Dielectric Fittings (Category A)

This document presents the scope of Swagelok Dielectric Fittings produced covered by this submission for CRN approval. These fittings have been evaluated in accordance with ASME B31.3-2022 and ASME B31.1-2022 for unlisted components.

Summary Table

Product Description or Series	Material (Standard)	Port Connections and Sizes	Maximum Allowable Working Pressure per ASME B31.3 and ASME B31.1		Design Code of Construction
			Up to 100°F (37°C)	At Maximum Temperature	
Dielectric Fittings	316 Stainless Steel (ASTM A276, condition S)	Swagelok Tube Fitting 1/4 in., 3/8 in., 1/2 in., 6mm, 8mm, 10mm, 12mm	5000 psig* (344 bar)	5000 psig* (344 bar) at 200°F (93°C)	Unlisted Component in ASME B31.3 and ASME B31.1
	ASTM A479, strain-hardened level 2)	NPT, Male 1/4 in.	5000 psig (344 bar)	5000 psig (344 bar) at 200°F (93°C)	

**Swagelok tube fitting ends are rated to the working pressure of tubing as listed in MS-01-107, Swagelok Tubing Data, which may limit the working pressure of the dielectric fitting.*

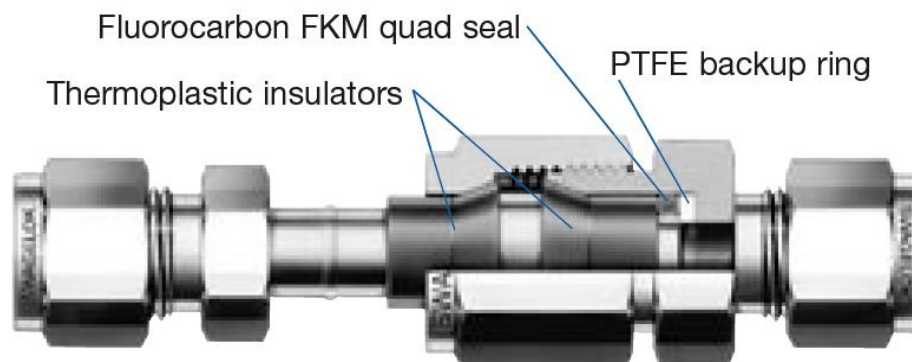
Product Description

Dielectric fittings isolate monitoring instruments from the effects of electrical current. Installed on impulse lines ahead of monitoring stations in natural gas pipelines, the fittings interrupt cathodic current flow while permitting full fluid flow.

The Swagelok dielectric fitting design is unique in that it separates the two primary functions of electrical insulation and fluid containment. Thermoplastic insulators provide high dielectric strength over a wide range of operating and climatic conditions. A fluorocarbon FKM quad seal contained in the fitting provides the primary fluid seal. Metal components are machined from 316 stainless steel for use in rugged environments.

Swagelok Dielectric Fittings consist of at least one Swagelok Tube Fitting end – a proprietary two-ferrule mechanical-grip design. The second end may be either a tube fitting or male tapered pipe thread end connection (NPT).

For dimensions refer to Swagelok catalog MS-02-36, *Dielectric Fittings*.





Product Options:

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:

1. Special marking
2. Special cleaning
3. Wire drills

Quality System

The Swagelok Company quality system complies with the requirements of ISO 9001:2015. The Swagelok Company maintains British Standards Institution (BSI) 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.

- Dielectric Fittings, MS-02-36, Rev E
- Swagelok Tubing Data Sheet, MS-01-107, Rev V