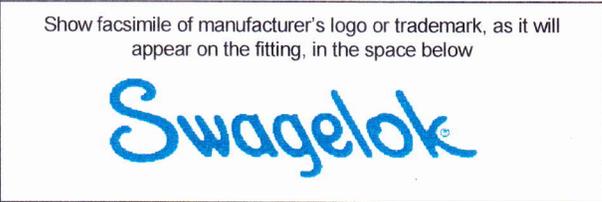




Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
 www.tssa.org



STATUTORY DECLARATION Registration of Fittings

I, Joel Feldman, 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 USA (440) 248-4600 (440) 349-5970
(Plant Address) (Telephone No.) (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 for unlisted components, 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 9001:2015 which has been verified by the following authority, BSI

The items covered by this declaration, for which I seek registration, are category see BCSA supplement for categ type fittings. In support of this application, the following information and/or test data are attached as follows:
ISO 9001:2015 Certificate, Attachment A, Attachment B, Catalog Information and other Support Documents
(drawings, calculations, test reports, etc.)

Declared before me at SOLON in the STATE of OHIO

the 13 day of MARCH AD 2023.

Commissioner for Oaths:

JEFFREY C TRUMBULL
(Printed name)

[Signature]
(Signature)



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

[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 A.

CRN: _____

Registered by: _____

Dated: _____

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0A24656.5

Signed: [Signature]

Date: July 11, 2023.

NOTE: This registration expires on: JULY 11, 2033

**Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.*

Attachment A. Swagelok Manufacturing Locations

This document lists the Swagelok locations where end item or component level manufacturing activities take place.

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0A24656.5
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

Swagelok Company 29500 Solon Road Solon, Ohio 44139 USA	Swagelok Company (HPF) 6050 Cochran Road Solon, Ohio 44139 USA
Swagelok Company (OFC) 29495 F.A. Lennon Drive Solon, Ohio 44139 USA	Swagelok Company (Snow Metal) 6060 Cochran Road Solon, Ohio 44139 USA
Swagelok Precision Machining Services 1924 East 337th Street Eastlake, OH 44095 USA	Swagelok (China) Fluid System Technologies Ltd. Changshu Export Process Zone Changshu Economic Development Zone Changshu, Jiangshu 215513 China
Swagelok Company (Highland) 318 Bishop Road Highland Heights, Ohio 44143 USA	Swagelok Company (Strongsville) 15400 Foltz Road Strongsville, Ohio 44119
Swagelok Company (Atlantic) 26651 Curtiss Wright Parkway Willoughby Hills, Ohio 44092 USA	Swagelok Company (Alfred) 29500 Ambina Drive Solon, Ohio 44139
Swagelok Company (Micro) 26653 Curtiss Wright Parkway Willoughby Hills, Ohio 44092 USA	Swagelok Hose Services Company (SHSC) 29900 Solon Industrial Parkway Solon, Ohio 44139
Swagelok Company (Falon 1) 348 Bishop Road Highland Heights, Ohio 44143 USA	Swagelok Limited Ballafletcher Road Tromode IM4 4RA Isle of Man
Swagelok Company (Falon 2) 358 Bishop Road Highland Heights, Ohio 44143 USA	

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.*

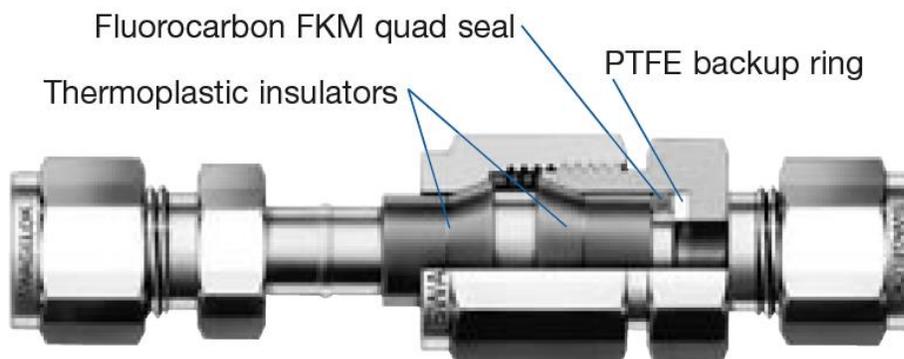
Product Description

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

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