



August 8, 2023

TSSA
345 Carlingview Drive
Toronto, ON M9W 6N9

Dear Tanya Francis,

Re: Reciprocal CRN Registration in Manitoba

As indicated by the Regulatory Reconciliation and Cooperation Table and the Reconciliation Agreement for the Canadian Registration Number (CRN) for Pressure Equipment, the design reviews conducted and accepted by the Canadian province or territory, or their delegated safety authority, will be mutually recognized in the Province of Manitoba. If a registration is conditionally based on compliance with the notes set by the original issuing Jurisdiction, such compliance shall be applied the same to this Province.

Your submission has been registered, as follows:

File Number: 74-R3403
CRN: 0A24656.54
Scope: SWAGELOK DIELECTRIC FITTINGS- SEE SCOPE OF REGISTRATION - ATTACHMENT A AND B
Manufacturer: SWAGELOK
Expiry Date: 11 July 2033

Along with this letter is the invoice for registration.

In addition, every Pressure Vessel, Boiler, and Heat Exchanger shall be stamped with the registration number and as required by CSA Code B51, a Manufacturer's Data Report (MDR) must be forwarded to this office immediately at the time a unit is shipped to Manitoba. Send your MDR to gasupport@gov.mb.ca. In your subject line, indicate "*Manufacturer's Data Report-CRN No.*" A fee shall be billed to the Manufacturer to process data reports in accordance with the Steam and Pressure Plants Regulation section 17.1.

Please contact gasupport@gov.mb.ca for any questions or concerns.

Inspection and Technical Services
Labour and Immigration
508 – 401 York Avenue, Winnipeg, MB R3C 0P8
T (204) 945-3373 | F (204) 948-2089

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.*

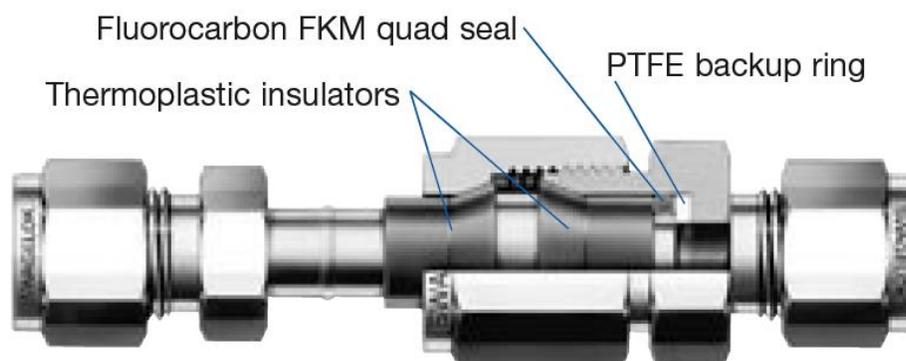
Product Description

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