

ATTN: TSSA BPV NATIONAL REGISTRATION -  
TECHNICAL STANDARDS & SAFETY AUTHORITY  
345 CARLINGVIEW DR  
TORONTO ON M9W 6N9

**Date:** 13-Sep-2024  
**TSBC Account #:** 061440  
**TSBC Admin Number:** 110902  
**Canadian Registration Number:** 0C17125.51

### Re: Application for Design Registration

The design, as detailed in your Design Portal application 0C17125.5R1- Swagelok Company for a Pressure Fitting is registered with the following notes and considerations:

<b>Registered To:</b>	Swagelok Company
<b>Project Name:</b>	0C17125.5R1- Swagelok Company
<b>Drawing #:</b>	Attachment B: Scope for Swagelok 43 Series PFA Plug Valves & Attachment A- Manufacturing Locations
<b>Drawing Revision:</b>	N/A

### Conditions of Registration:

(1) Fitting Registration Expiry Date: 05-Jul-2034 (2) The registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of quality management system lapse before the expiry date indicated above, this registration shall become void.

### Reviewer's Notes:

Any additional conditions and considerations from the initial province of registration shall apply to this BC registration.

Full details of this submission including the scope of registration, design conditions, fabrication details, and calculations pertaining to this design are located in the above Admin Number on the Design Portal. For all other enquiries, please contact eim@technicalsaftybc.ca.

The Engineering Information Management Team

## Attachment B: Scope for Swagelok 43 Series PFA Plug Valves (Category C)

This document represents the scope of the 43 Series PFA Plug Valves covered by this submission for CRN approval. These valves were designed and evaluated in accordance with ASME B31.1-2022 for unlisted components and ASME B31.3-2022 for unlisted components.

### Summary Table

Product Description or Series	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Rated Pressure		Design Code of Construction
				At ambient temperature	At maximum temperature	
43S4	Body	PFA (ASTM D3307)	Swagelok Tube Fitting 1/4"	50 psi @ 70 °F (see Note)	10 psi @ 200 °F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)

**Note: The ambient temperature pressure rating in the above table is based on the highest pressure attained in the witness pressure test divided by ten.**

### Product Illustration



### Quality System

The Swagelok Company quality system complies with the requirements of ISO 9001:2015. The Swagelok Company maintains 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 registration, but rather details some of the most common options.

- PFA Plug Valve Catalog MS-01-56, RevH

## **Attachment A. Swagelok Manufacturing Locations**

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

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	Swagelok Company (Valley City) 5370 Wegman Drive Valley City, Ohio 44280 USA