

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

Date: 15-May-2024
TSBC Account #: 061440
TSBC Admin Number: 106927
Canadian Registration Number: 0C16922.51

Re: Application for Design Registration

The design, as detailed in your Design Portal application 0C16922.5R1 - SWAGELOK for a Pressure Fitting is registered with the following notes and considerations:

Registered To:	SWAGELOK
Project Name:	0C16922.5R1 - SWAGELOK
Drawing #:	Renewal of AFS series ball valves
Drawing Revision:	N/A

Conditions of Registration:

(1) Fitting Registration Expiry Date: 11-Mar-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 AFS Series Ball Valves (Category C)

This document represents the scope of the Swagelok AFS Series Ball 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 Series	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections, Sizes	Maximum Rated Pressure (psig)		Design Code of Construction
				At -40 to 100°F	At max temperature	
AFS	Body	316 SS (ASTM A479/A276)	Tube Fitting 3/8", 1/2", 12MM	6000	6000 @ 250°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
			Tube Fitting 3/4", 16MM	5800	5742 @ 250°F	
			Tube Fitting 1"	4700	4653 @ 250°F	
			Female NPT 3/8", 1/2", 1/2" ISO	6000	6000 @ 250°F	
			Female NPT 3/4"	5532	5532 @ 250°F	

Product Illustration



Product Options:

Additional options that do not affect the scope of the pressure-temperature ratings may be made available within the scope of this registration. Examples of these would include stem seal materials and handles.



Quality System

The Swagelok Company quality system complies with the requirements of BS EN 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.

- Alternate Fuel Service Ball Valve Catalog MS-02-303, RevQ

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	