

TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ON M9W 6N9

Date: October 30, 2019
Account #: 35231
Journal #: 74493

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, 0C21782.5, for a Fitting is accepted for registration as follows:

Registered To: SWAGELOK COMPANY **CRN:** 0C21782.51

Drawing #: Scope of registration

Drawing Revision: N/A

This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

Reviewer's Notes:

As required by CSA B51 4.2.1, this registration expires on 15-Sep-2019. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void. Any additional conditions of registration stated in TSSA CRN# 0C21782.5 registration shall apply to BC registration.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

Janina Mihailescu

janina.mihailescu@technicalsaftybc.ca
Design Administration

cc:



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

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

Swagelok

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 C. Valves 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 18th day of July AD 20 19.

Commissioner for Oaths:
Brenda Hammel
(Printed name)
Brenda Hammel
(Signature)

Joel Feldman
(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 C.

Technical Standards and Safety Authority **Boilers and Pressure Vessels Safety Program**

REGISTERED

C.R.N.: OC21782.5

Signed: [Signature]

Date: Sept 15, 2019

CRN: OC21782.5
 Registered by: [Signature]
 Dated: Sept. 15, 2019
 NOTE: This registration expires on: Sept 15, 2029

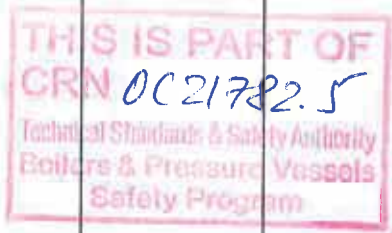
*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request. *For scope of registration see the stamped attachment A and B documents*

Attachment B: Scope of CRN Registration for Swagelok 50 Series Lift Check Valves (Category C)

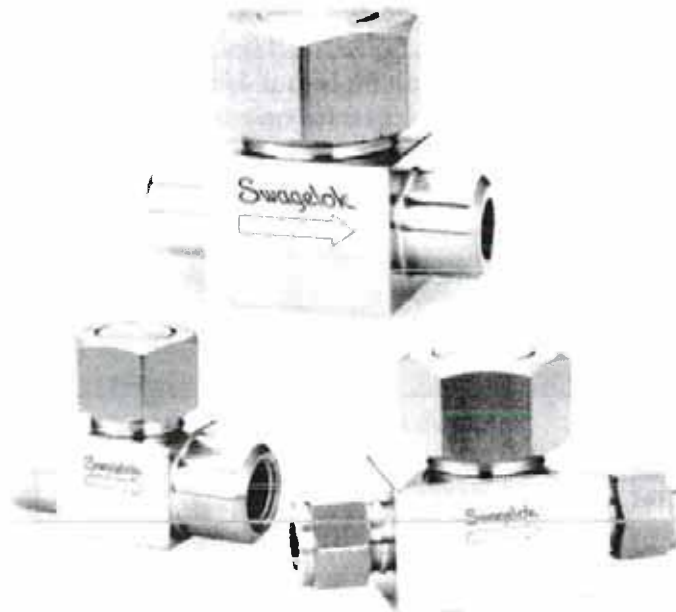
This document represents the scope of the 50 Series Lift Check Valves covered by this submission for CRN approval. The Swagelok 50 Series Lift Check Valves were designed and evaluated in accordance with ASME B31.1-2016 for unlisted components and ASME B31.3-2016 for unlisted components.

Summary Table

Product Series	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Rated Pressure		Design Code of Construction
				At -65 to 100°F	@ max temperature	
53	Body	Stainless Steel (ASTM A479)	Swagelok Tube Fitting 1/8", 1/4", 6MM, 8MM Female NPT 1/8", 1/4" Male NPT 1/4" Tube Socket Weld 1/4"	6000 psi @ 100°F	3280 psi @ 900°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
56	Body	Stainless Steel (ASTM A479)	Swagelok Tube Fitting 3/8", 1/2", 10MM Female NPT 1/4" Tube Socket Weld 3/8" Tube Socket Weld 1/2"	6000 psi @ 100°F	3280 psi @ 900°F	
58	Body	Stainless Steel (ASTM A479)	Swagelok Tube Fitting 1/2", 12MM, 14MM Male NPT 1/2" Tube Socket Weld 1/2"	6000 psi @ 100°F	3280 psi @ 900°F	
			Swagelok Tube Fitting 3/4"	5800 psi @ 100°F	3280 psi @ 900°F	
			Swagelok Tube Fitting 1"	4700 psi @ 100°F	3280 psi @ 900°F	
			Swagelok Tube Fitting 16MM	5805 psi @ 100°F	3280 psi @ 900°F	
			Swagelok Tube Fitting 20MM	5510 psi @ 100°F	3280 psi @ 900°F	
			Swagelok Tube Fitting 25MM	4640 psi @ 100°F	3280 psi @ 900°F	
			Female NPT 3/8"	5300 psi @ 100°F	3048 psi @ 900°F	
			Female NPT 1/2"	4900 psi @ 100°F	2818 psi @ 900°F	
			Female NPT 3/4"	4600 psi @ 100°F	2645 psi @ 900°F	



Product Illustration



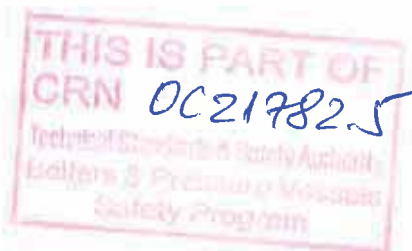
Quality System

The Swagelok Company quality system complies with the requirements of 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.

- 50 Series Lift Check Valves Catalog MS-01-098, R10



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

