

STATUTORY DECLARATION Registration of Fittings

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting. Swagelok

I, David H. Peace, Vice President of Engineering of Swagelok Company located at 29500 Solon Road, Solon, Ohio 44139 USA (see Attachment A)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- comply with the requirements of ASME B31.1 and ASME B31.3 which specifies the dimensions, materials of construction, pressure/temperature ratings and identification marking of the fittings, or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, BSI as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

Category C Type Fittings (brief description of fittings)

In support of this application, the following information, calculations and/or test data are attached:

ISO 9001:2015 Certificate, Attachment A, Attachment B, Catalog Information and other Support Documents

DECLARED before me at Solon in the State of Ohio this 15th day of Feb, 2018

(print) Jamie L. Ristau, Notary Public, State of Ohio (a Commissioner of Oaths or Notary Public) My Commission Expires: 03/08/2019 (sign) Jamie L. Ristau (a Commissioner of Oaths or Notary Public)

(signature of applicant)

For ABSA Office Use Only:

NOTES: See the attached sheets (Attachments A & B) for the scope of registration.

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category C

Registration Number: OC20294.52 (Signature of the Administrator/SCO)

Date Registered: JUN 12 2018 Expiry Date: April 24, 2028



Attachment B. Scope of Registration for Swagelok CH Series Check Valves (Category C)

Product Scope

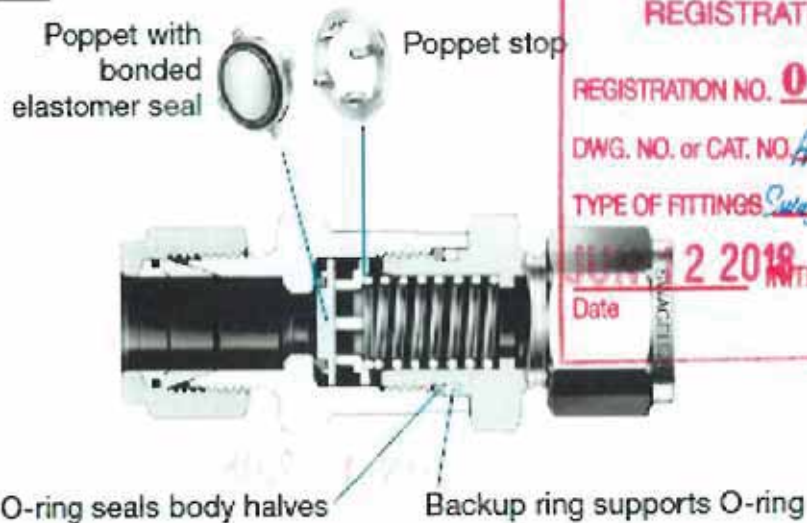
This document represents the scope of Swagelok® CH Series Check Valves covered by this submission for CRN approval. These products were designed and evaluated in accordance with ASME B31.1 for unlisted components and ASME B31.3 for unlisted components.

Summary Table

Product Series	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Allowable Working Pressure (psig)		Design Code of Construction
				@100°F	@Max. Temp	
CH4	Body	316 SS (ASTM A479)	Tube Fitting 1/8", 1/4", 6MM Female NPT 1/4" Male NPT 1/4" Female ISO 1/4" Male ISO 1/4" Male VCO fitting 1/4" Male VCR fitting 1/4"	6000 psig	4280 psig @ 400°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
			AN (Army/Navy) fitting 1/4"	5000 psig	3575 psig @ 400°F	
CH4	Body	Alloy 400/405 (UNS N04400/ N04405) (ASTM B164)	Tube Fitting 1/8", 1/4", 6MM	5000 psig	5000 psig @ 300°F	
CH8	Body	316 SS (ASTM A479)	Tube Fitting 3/8", 1/2", 8MM, 10MM, 12MM Male NPT 3/8", 1/2" Male ISO 1/2" Male VCO Fitting 1/2"	6000 psig	4280 psig @ 400°F	
			Female NPT 3/8"	5300 psig	3789 psig @ 400°F	
			Female ISO 1/2" Female NPT 1/2"	4900 psig	3503 psig @ 400°F	
			Female SAE/MS 1/2" Male SAE/MS 1/2"	4568 psig	4280 psig @ 400°F	
			Male VCR fitting 1/2"	4300 psig	3074 psig @ 400°F	
CH8	Body	Alloy 400/405 (UNS N04400/ N04405) (ASTM B164)	Tube Fitting 3/8", 8MM	5000 psig	5000 psig @ 300°F	
			Tube Fitting, 10MM	5000 psig	4215 psig @ 300°F	
			Tube Fitting 1/2"	4400 psig	3652 psig @ 300°F	
			Tube Fitting 12MM	4200 psig	3493 psig @ 300°F	
CH16	Body	316 SS (ASTM A479)	Tube Fitting 3/4" Male NPT 3/4", 1" Male ISO 3/4", 1" Male VCO Fitting 3/4",	5000 psig	3560 psig @ 400°F	
			Tube Fitting, 22MM	4900 psig		
			Tube Fitting 1"	4700 psig		
			Tube Fitting 25MM	4640 psig		

Product Series	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Allowable Working Pressure (psig)		Design Code of Construction
				@100°F	@Max. Temp	
CH16	Body	316 SS (ASTM A479)	Male VCO Fitting, 1"	4700 psig	3120 psig @ 400°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
			Female NPT 3/4" Female ISO 3/4"	4600 psig	3289 psig @ 400°F	
			Female NPT 1" Female ISO 1"	4400 psig	3146 psig @ 400°F	
			Male VCR fitting 3/4"	3700 psig	2645 psig @ 400°F	

Product Illustration



ASDA

SAFETY CODES ACT - PROVINCE OF ALBERTA
REGISTRATION OF FITTINGS

REGISTRATION NO. **0C20294-52**

DWG. NO. or CAT. NO. *Attachments A & B*

TYPE OF FITTINGS *Swagelok CH Series Check Valves*

Date **2 2018** INITIALS *[Signature]*

SAMIR ISSA, P.ENG.
 DESIGN SURVEY ENGINEER

Typical Product Characteristics:

Additional options that do not affect pressure-temperature ratings may be made available within the scope of this registration. Examples of these would include, but not be limited to, poppet springs, lubricants, and body seal materials.

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.

Special Ordering Instructions

None

References

The following product catalog does not represent the full scope of registration, but rather details some of the most common options.

- Check Valves MS-01-176, R11

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 Company A.G. (European Technology Center) St. Gallerstraße 84 Lachen, Switzerland 8853 Switzerland
Swagelok Limited Tromode IM4 4RA Isle of Man	

JUN 12 2018

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June 12, 2018

Attention: Joanna Karpinski
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

Email: JKarpinski@tssa.org

The design submission, tracking number 2018-03436, originally received on May 28, 2018 was surveyed and accepted for registration as follows:

CRN : 0C20294.52 **Accepted on:** June 12, 2018
Reg Type: NEW DESIGN **Expiry Date:** April 24, 2028
Drawing No. : ATTACHMENTS A & B
Fitting type: SWAGELOK CH SERIES CHECK VALVES
Design registered in the name of : SWAGELOK COMPANY

The registration is conditional on your compliance with the following notes:

The scope of this registration covers attachment A, Page 1 of 1 and Attachment B, Pages 1 & 2, attached to Statutory Declaration form.

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction are ASME B31.1 and ASME B31.3.

This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.

This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.

Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3360 or fax (780) 437-7787 or e-mail issa@absa.ca.

Sincerely,



ISSA, SAMIR, P. Eng.
DOP Cert. No. D00009269