



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, David H. Peace, 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 where applicable, and ASME B31.3 for unlisted components where applicable  
(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 15<sup>th</sup> day of Feb AD 20 18.

Commissioner for Oaths:

Jamie L Ristau (Printed name)  
Jamie L Ristau (Signature)  
 Jamie L. Ristau  
 Resident Portage County  
 Notary Public, State of Ohio  
 My Commission Expires: 03/08/2018

[Signature]  
(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.

CRN: OC 20294.5

Registered by: [Signature]

Dated: April 24, 2018

NOTE: This registration expires on: April 24, 2028

Boilers and Pressure Vessels Safety Program

REGISTERED

CRN: OC 20294.5

Signed: [Signature]

Date: April 24, 2018

*For scope of registration see attached stamped documents (attachment A and B)*

## 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. GallerstraBe 84 Lachen, Switzerland 8853 Switzerland
Swagelok Limited Tromode IM4 4RA Isle of Man	

**THIS IS PART OF**  
**CRN 0C20294.5**  
 Technical Standards & Safety Authority  
 Oil and Gas Pressure Vessels  
 Division



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

### Product Scope

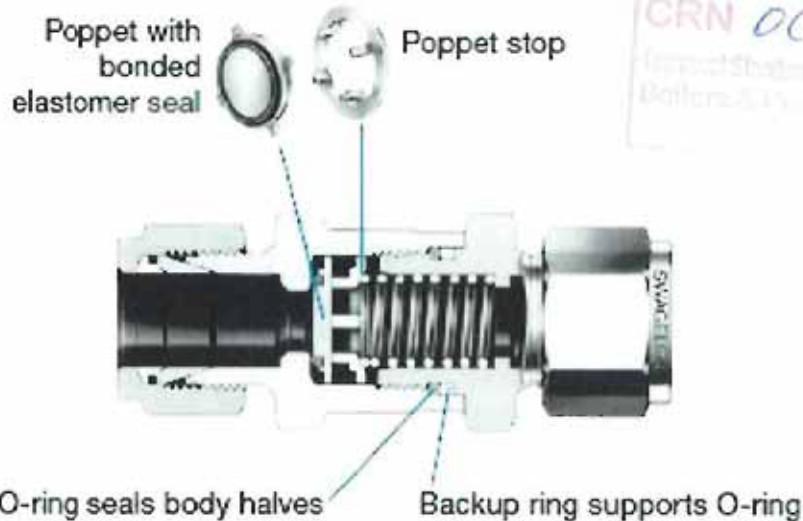
This document represents the scope of Swagelok® CH Series Check Valves covered by this submission for CRN approval. These products were designed and evaluated in accordance with ASME B31.1 for unlisted components and ASME B31.3 for unlisted components.

### 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



### 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