

February 06, 2026

**Attention:** Cecylia Garbacz  
TECHNICAL STANDARDS & SAFETY AUTHORITY  
345 CARLINGVIEW DRIVE  
TORONTO, ON M9W 6N9

The design submission, Tracking Number 2025-08159, Web Portal Number 2025-S6593, originally received on December 19, 2025 was surveyed and accepted for registration as follows:

**CRN :** 0C26272.52 **Accepted on:** February 06, 2026  
**Reg Type:** NEW DESIGN **Expiry Date:** November 24, 2035  
**Document No.** Attachment B. Scope of Registration for Swagelok CVT Series Check Valves (Category C)  
As Noted  
**Fitting type:** Check Valves  
Design registered in the name of : SWAGELOK COMPANY

Description	MAWP	Design Temperature	MDMT
Internal Pressure	105000kPa	85 °C	-40 °C

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

- This fitting is registered based on the understanding that the end connections (FK and IPT Cone & Thread Fittings) are registered under 0A23299.52 and 0A18288.52, respectively.
- This design is registered based on the understanding that A479 Strain Hardened 316 SS material meets the material specifications of ASTM A276 in its entirety.
- As indicated on the Statutory Declaration form and submitted documentation, the code of construction is ASME B31.3.
- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the Statutory Declaration as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.
- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted 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, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, 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.

If you have any questions don't hesitate to contact me by phone at (587) 686-9381 or fax (780) 437-7787 or e-mail [Newton@absa.ca](mailto:Newton@absa.ca).

Sincerely,



NEWTON, STEPHAN, E.I.T.  
DOP Cert. No. D00011044



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, James Nordholt, 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 type fittings. In support of this application, the following information and/or test data are attached as follows:

ISO: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 19 day of August AD 2025.

Commissioner for Oaths:

JEFFREY C TRUMBULL  
(Printed name)

[Signature]  
(Signature)



JEFFREY C TRUMBULL  
 Notary Public  
 State of Ohio  
 My Comm. Expires  
 April 15, 2030

[Signature]  
(Signature of Declarer)

### FOR OFFICE USE ONLY

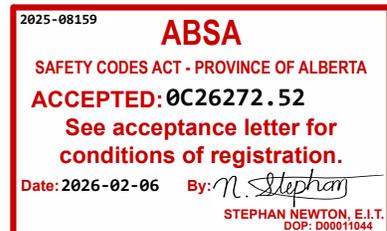
To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category C.

CRN: 0C26272.52

Registered by: Stephan Newton

Dated: February 6, 2026

NOTE: This registration expires on: November 24, 2035



This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

*\*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.*

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

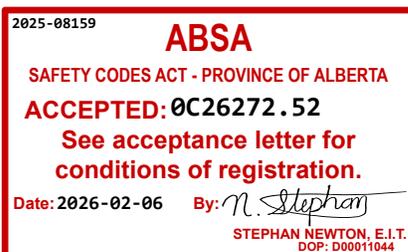
### Product Scope

This document represents the scope of Swagelok® CVT 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

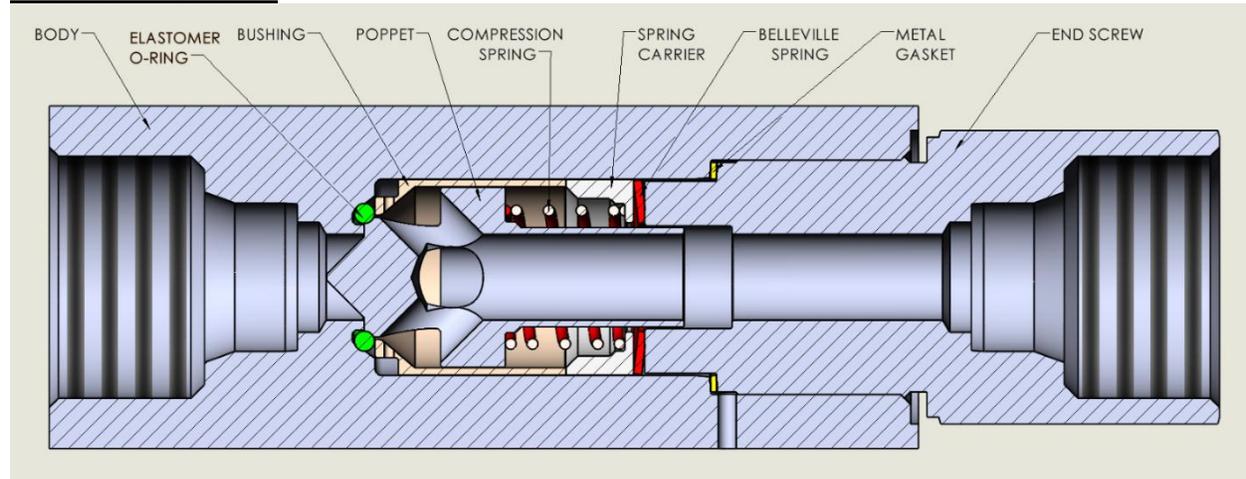
Product Series	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Allowable Working Pressure (psig)		Design Code of Construction
				@100°F	@Max. Temp	
CVT6	Body	316 SS (ASTM A479/ ASTM A276)	FK Tube Fitting: 1/4", 3/8" Female Cone & Thread: 1/4", 3/8"	15,229 psig	15,229 psig @ 185°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
CVT6	End Screw	316 SS (ASTM A479/ ASTM A276)	FK Tube Fitting: 1/4", 3/8" Female Cone & Thread: 1/4", 3/8"	15,229 psig	15,229 psig @ 185°F	
CVT9	Body	316 SS (ASTM A479/ ASTM A276)	FK Tube Fitting: 1/2", 9/16" Female Cone & Thread: 9/16"	15,229 psig	15,229 psig @ 185°F	
CVT9	End Screw	316 SS (ASTM A479/ ASTM A276)	FK Tube Fitting 1/2", 9/16" Female Cone & Thread: 9/16"	15,229 psig	15,229 psig @ 185°F	
CVT12	Body	316 SS (ASTM A479/ ASTM A276)	FK Tube Fitting 9/16", 3/4" Female Cone & Thread: 9/16", 3/4"	15,229 psig	15,229 psig @ 185°F	
CVT12	End Screw	316 SS (ASTM A479/ ASTM A276)	FK Tube Fitting 9/16", 3/4" Female Cone & Thread: 9/16", 3/4"	15,229 psig	15,229 psig @ 185°F	

The Low Temperature Rating for this product is: -40°F



This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

## 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 are 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.

- Hydrogen FK Check Valves CORP-0239 Rev M.



### Installation

Orientate as required using the flow-direction arrow on the valve body.

### Cleaning

Swagelok Standard Cleaning and Packaging, SC-10, MS-06-62

### Materials of Construction

Component	Material/ASTM Specification
Body	316 SS/A276 or A479
Poppet	316 SS/A276 or A479
O-Ring	FKM Material
Spring	316 SS/A313
Belleville	316 SS/A182
Spring Guide	316 SS/A276 or A479
Bushing	Aluminum Bronze - UNS C6300
Gasket	Silver Plated - 316 SS/A240 or A480
Wetted Lubricant	Fluorinated - PTFE-based



VALVE SIZE	PART NUMBER	END CONNECTION	END SCREW HEX (C-FLAT)	BODY HEX (B-FLAT)	MAX BODY CAVITY DIA.	OVERALL LENGTH (A)
CVT6	SS-CVT6FK4-H2	4FK	0.75"	1"	0.5415"	4.07"
	SS-CVT6FK6-H2	6FK	0.75"	1"	0.5415"	4.63"
CVT9	SS-CVT9FK8-H2	8FK	1.25"	1.5"	0.799"	5.80"
	SS-CVT9FK9-H2	9FK	1.25"	1.5"	0.799"	6.21"
CVT12	SS-CVT12FK12-H2	12FK	1.5"	1.75"	1.003"	8.01"
	SS-CVT12MF12-H2	12CT	1.5"	1.75"	1.003"	5.03"

## **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