

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

Product Scope

This document represents the scope of Swagelok® C and CA 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

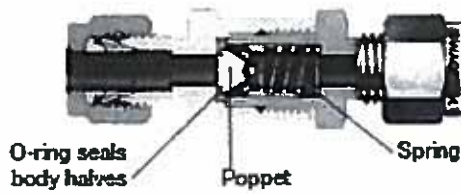
Product Series	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Allowable Working Pressure (psig)		Design Code of Construction
				@100°F	@Max. Temp	
2C, 4C, 6C, 8C	Body	316 SS (ASTM A479)	Swagelok Tube Fitting 1/8", 1/4", 3/8", 1/2", 6MM, 10MM, 12MM Female NPT 1/8", 1/4", 3/8", 1/2" Male NPT 1/8", 1/4", 3/8", 1/2" Male VCR Fitting 1/4", 1/2"	3000 psig	2185 psig @ 375°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
12C, 16C	Body	316 SS (ASTM A479)	Swagelok Tube Fitting 3/4", 1" Female NPT 3/4", 1" Male NPT 3/4", 1" Male VCR Fitting 3/4", 1"	2000 psig	1450 psig @ 375°F	
2C, 4C, 6C, 8C	Body	C36000 Brass (ASTM B16)	Swagelok Tube Fitting 1/8", 1/4" Female NPT 1/8", 1/4" Male NPT 1/8", 1/4", 3/8", 1/2"	3000 psig	2405 psig @ 250°F	
			Swagelok Tube Fitting 6MM	3000 psig	2298 psig @ 250°F	
			Swagelok Tube Fitting 3/8"	2200 psig	1584 psig @ 250°F	
			Swagelok Tube Fitting 1/2"	2100 psig	1512 psig @ 250°F	
			Swagelok Tube Fitting 10MM	1886 psig	1358 psig @ 250°F	
			Swagelok Tube Fitting 12MM	2031 psig	1462 psig @ 250°F	
12C, 16C	Body	C36000 Brass (ASTM B16)	Female NPT 3/8"	2600 psig	2405 psig @ 250°F	
			Female NPT 1/2"	2400 psig	2405 psig @ 250°F	
12C, 16C	Body	C36000 Brass (ASTM B16)	Swagelok Tube Fitting 1" Swagelok Tube Fitting 3/4" Female NPT 3/4", 1" Male NPT 3/4", 1"	1500 psig	1080 psig @ 250°F	
			Swagelok Tube Fitting 3/4" Female NPT 3/4", 1" Male NPT 3/4", 1"	1500 psig	1200 psig @ 250°F	
4CA	Body	316 SS (ASTM A479)	Swagelok Tube Fitting 1/4", 6MM, 8MM Male NPT 1/4" Male VCR Fitting 1/4",	3000 psig	2185 psig @ 375°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
4CA	Body	C36000 Brass (ASTM B16)	Swagelok Tube Fitting 1/4" Male NPT 1/4",	3000 psig	2405 psig @ 250°F	
			Swagelok Tube Fitting 6MM	3000 psig	2298 psig @ 250°F	
			Swagelok Tube Fitting 8MM	2322 psig	1671 psig @ 250°F	

1 of 3
 C36000 Brass (ASTM B16)
ATTACHMENT TO
CRN: C5A-0020863
 Signed: *[Signature]*
 178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

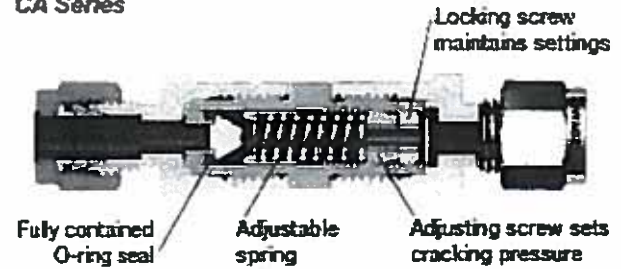
THIS IS PART OF
CRN: C5A-0020863
 Issued by: *[Signature]*
 Technical Services & Safety Authority
 Pressure Vessels
 Steam

Product Illustration

C Series



CA Series



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.

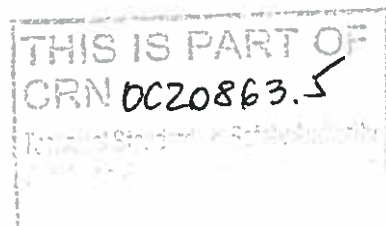
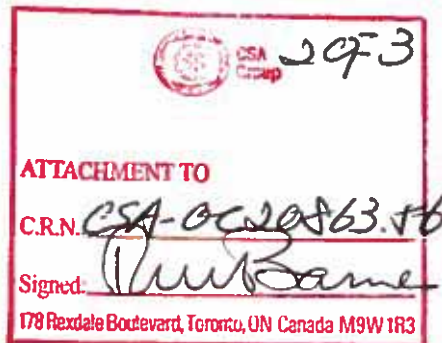
Special Ordering Instructions

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

THIS IS PART OF
CRN 0C20863.5
Technical Standards & Safety Authority
Dallara & Pressure Vessels
Program

 3073

ATTACHMENT TO
C.R.N. CSA-0C20863.5
Signed: 
178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3