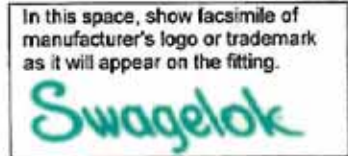


STATUTORY DECLARATION Registration of Fittings



I, Joel Feldman, 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...

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.

Category C Type Fittings (brief description of fittings)

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

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

DECLARED before me at Solon in the State of Ohio

this 09th day of August 2018

(print) Jamie L. Ristau Notary Public, State of Ohio Commission Expires: 03/06/2019

(sign) Jamie L. Ristau (signature of applicant)

For ABSA Office Use Only:

NOTES: See the attached sheets (Attachment A August 1 & Attachment B August 1-3) for 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: OC20864-52 (Signature of the Administrator/SCO)

Date Registered: JAN 03 2019 Expiry Date: November 18, 2028

## Attachment B. Scope for Swagelok V Series Manifold Valves (Category C)

### Product Scope

This document represents the scope of Swagelok® V Series Manifold 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 Rated Pressure (psig)		Design Code of Construction
				@ 100°F	@ Max Temp	
V2	Standard Body	316SS (ASTM A479)	Swagelok Tube Fitting 1/2", 12MM Female NPT 1/4", 1/2"	6000	1715 @ 1200°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
			Flange (MSS)	6000	3030 @ 1000°F	
V2	Compact Body	316SS (ASTM A479)	Male NPT 1/2", 3/4" Female NPT 1/2", 3/4" Female NPT 1/4" (vent)	6000	1715 @ 1200 °F	
V3	Standard Body	316SS (ASTM A479)	Swagelok Tube Fitting 1/2", 12MM Female NPT 1/2"	6000	1715 @ 1200 °F	
			Flange (MSS)	6000	3030 @ 1000°F	
V3	Compact Body	316SS (ASTM A479)	Male NPT 1/2", 3/4" Female NPT 1/2", 3/4" Female NPT 1/4" (vent)	6000	1715 @ 1200 °F	
V5	Standard Body	316SS (ASTM A479)	Swagelok Tube Fitting 1/2", 12MM Female NPT 1/8", 1/4", 1/2"	6000	1715 @ 1200 °F	
			Flange (MSS)	6000	3030 @ 1000°F	

**ASCA**

**SAFETY CODES ACT - PROVINCE OF ALBERTA**

**REGISTRATION OF FITTINGS**

REGISTRATION NO. **OC20864-52**

DWG. NO. or CAT. NO. Attachment B, Part-3 of Attachment A

TYPE OF FITTINGS Swagelok V2, V3 & V5 Series Manifold Valves

**JAN 03 2019** INITIALS [Signature]

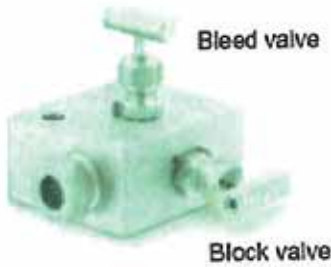
Date JAN 03 2019 **SAMIR ISSA, PENG.**  
DESIGN SURVEY ENGINEER



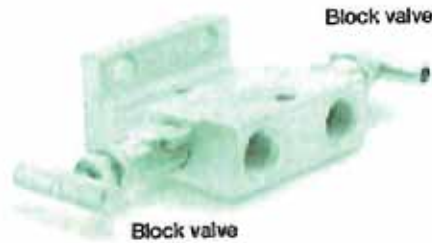
## Product Illustration

### V2 Series Manifold Valves

Standard Body



Flange Body



Compact Body



### V3 Series Manifold Valves

Standard Body



Compact Body

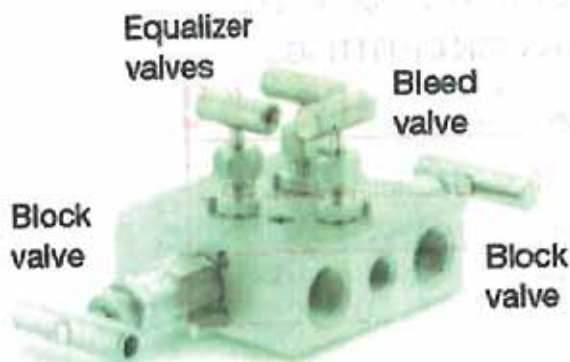


JAN 03 2019

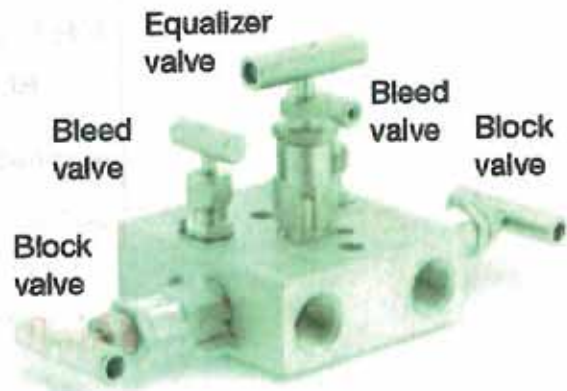
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### V5 Series Manifold Valves

Standard Body – One Bleed Valve



Standard Body – Two Bleed Valves



## Product Options:

Some of the product options listed below affect the pressure-temperature ratings shown in the Summary Table, but in all cases the ratings are less than those shown in the Summary Table. All of the following options are within the scope of this registration:

### Valve Design

Small Bonnet Valve – actuator threads are wetted  
Large Bonnet Valve – actuator threads are non-wetted

### Valve Packing Material

Virgin Polytetrafluoroethene (PTFE) – standard  
Grafoil – high temperature option

### Flange Seal Materials

Fluorocarbon FKM  
Virgin Polytetrafluoroethene (PTFE)  
Reinforced Polytetrafluoroethene (PTFE)  
Grafoil

### MSS Flange Fasteners

Standard Hex Head Bolt  
Long Stud with Hex Nut  
Short Hex head Bolt

### Eccentric Flanges

Swagelok Tube Fitting  
Female NPT  
Pipe Butt Weld

### Concentric and Eccentric Pipe Nipples

Stainless Steel  
Carbon Steel

JAN 03 2019

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## Quality System

Swagelok Company's quality system complies with the requirements of BS EN ISO 9001:2015. Swagelok Company maintains British Standards Institution Certificate of Registration Number FM 01729, which applies to all locations listed on the Certificate. The V Series Manifold Valves are manufactured at a Swagelok Company location in Solon, Ohio.

## References

The product catalog does not represent the full scope of registration, but rather details some of the most common options. See Swagelok's Instrument Manifold Systems Catalog MS-02-445, R2

**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	<b>JAN 03 2019</b>

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