

REGISTERED
CRN: CSA-OC20864.56
Registration Process administered by
CSA Group per CSA B51

Statutory Declaration Registration of Fittings

(a) Design Qualification

I' Joel Feldman
Vice President, Engineering
(Position eg. president, plant manager, chief eng.)

Of Swagelok Company
(name of company)

Located at Headquarters: 29500 Solon Road, Solon, Ohio 44139 USA (See Attachment A)
(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act.

- comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required: ASME B31.1 & B31.3
- Or
- are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with _____ code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

(b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ISO 9001:2015, and has been verified by the following authority or authorized agency BSI

The fittings² covered by this declaration, for which I seek registration, are Category C. Valves


In support of the 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, Ohio *Jamie L. Rosta*
Resident Portage County
Notary Public, State of Ohio
In the of State of Ohio *My Commission Expires: 03/06/2019*
The 09th Day of August AD 18 2018
Jamie L. Rosta *Signature of Declarer*
A (commissioner for oaths)

For Official Use Only

The application is accepted for registration in Category C in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance. Nov. 18, 2028

Registered Number CRN CSA-OC20864.56 For the Chief Inspector R.W. Barnes
Date  Feb. 26, 2019

1 Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.
2 All fittings are required to be registered in the name of the Manufacturer.
3 This form shall be completed and signed by the president of highest official in the manufacturing plant where the fitting is produced.



+*Note: See the attachment for the scope of the registration


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	


1 OF 4

ATTACHMENT TO

C.R.N. CSA-0020864.56

Signed: [Signature]

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

THIS IS PART OF

CRN 0020864.5

Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

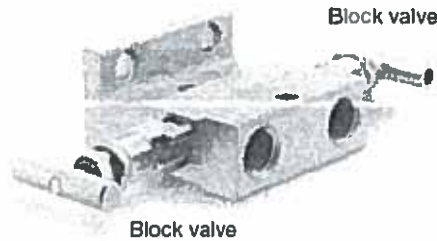
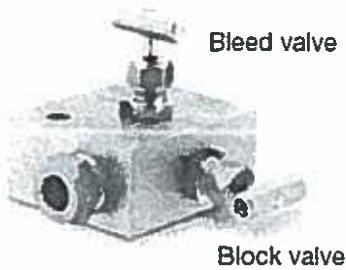
Product Illustration

V2 Series Manifold Valves

Standard Body

Flange Body

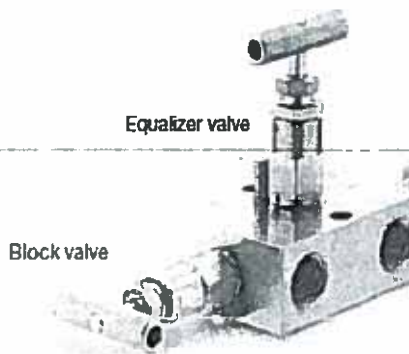
Compact Body



V3 Series Manifold Valves

Standard Body

Compact Body



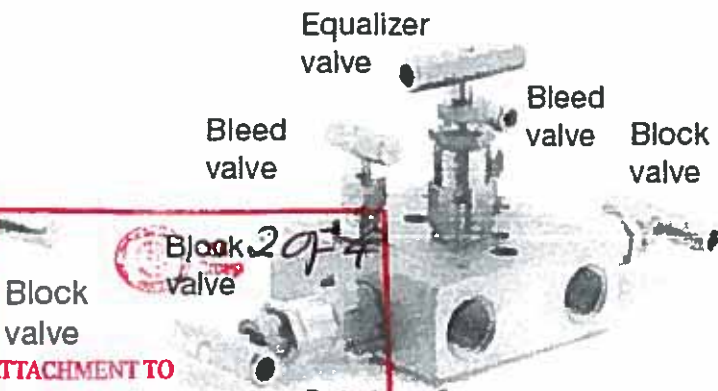
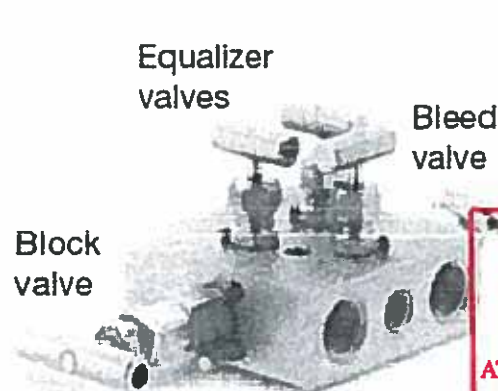
THIS IS PART OF
CSA-0020864.5
Block valve
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program



V5 Series Manifold Valves

Standard Body – One Bleed Valve

Standard Body – Two Bleed Valves



Block valve
Block valve
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Signed: [Signature]
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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

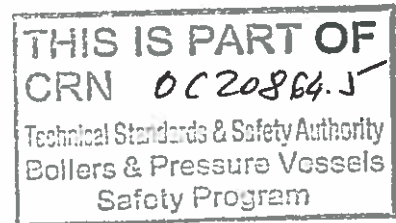
Standard Hex Head Bolt
Long Stud with Hex Nut
Short Hex head Bolt

Eccentric Flanges

Swagelok Tube Fitting
Female NPT
Pipe Butt Weld

Concentric and Eccentric Pipe Nipples

Stainless Steel
Carbon Steel

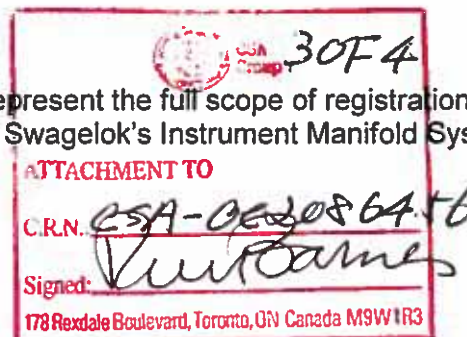


Quality System

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	

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C.R.N. USA-002086456
Signed: [Signature]
178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

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