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MANUFACTURERS NAME:			
MANUFACTURERS ADDRE	COUNTY HOUSE	f, Salon, Ohio 44139 USA	
PLANT LOCATIONS: Hea	dquarters: 29500 Solon	Road, Solon, Obio 44139 USA (Se	e Attachment A)
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Category C: Swagelok V Series Manifolds

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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 Pr Series B	Main Pressure	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Rated Pressure (psig)		Design Code
	Bearing Component			@ 100°F	@ Max Temp	of Construction
V2	Vo Standard	Standard 316SS Body (ASTM A479)	Swagelok Tube Fitting 1/2", 12MM Female NPT 1/4", 1/2"	6000	1715 @ 1200°F	
VZ	Body		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	ASME B31.1
V3 Standard	Standard	316SS (ASTM A479)	Swagelok Tube Fitting 1/2", 12MM Female NPT 1/2	6000	1715 @ 1200 °F	(Unlisted Components)
V 5	Body		Flange (MSS)	6000	3030 @ 1000°F	ASME B31.3 (Unlisted
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	Components)
V5 Standard Body	Standard	316SS (ASTM A479)	Swagelok Tube Fitting 1/2", 12MM Female NPT 1/8", 1/4", 1/2"	6000	1715 @ 1200 °F	
	Body		Flange (MSS)	6000	3030 @ 1000°F	





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Product Illustration

V2 Series Manifold Valves

Standard Body

Flange Body

Compact Body







V3 Series Manifold Valves

Standard Body

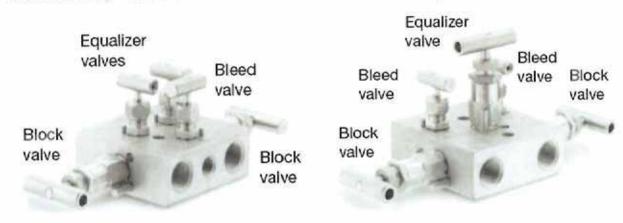
Compact Body



V5 Series Manifold Valves

Standard Body - One Bleed Valve

Standard Body - Two Bleed Valves





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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

THIS IS PART OF CRN 0 C 20864. J Technical Standards & Safety Authority Bollers & Pressure Vessels Safety Program

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	Swagelok Company (Falon 1)
29500 Solon Road	348 Bishop Road
Solon, Ohio 44139	Highland Heights, Ohio 44143
USA	USA
Swagelok Company (Highland)	Swagelok Company (Falon 2)
318 Bishop Road	358 Bishop Road
Highland Heights, Ohio 44143	Highland Heights, Ohio 44143
USA	USA
Swagelok Company (OFC)	Swagelok Company (HPF)
29495 F.A. Lennon Drive	6050 Cochran Road
Solon, Ohio 44139	Solon, Ohio 44139
USA	USA
Swagelok Company (Atlantic)	Swagelok Company (Snow Metal)
26651 Curtiss Wright Parkway	6060 Cochran Road
Willoughby Hills, Ohio 44092	Solon, Ohio 44139
USA	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)	Swagelok Company (Strongsville)
29900 Solon Industrial Parkway	15400 Foltz Road
Solon, Ohio 44139	Strongsville, Ohio 44119
Swagelok (China) Fluid System Technologies Ltd.	Swagelok Company A.G. (European Technology
Changshu Export Process Zone	Center)
Changshu Economic Development Zone	St. GallerstraBe 84
Changshu, Jiangshu	Lachen, Switzerland 8853
215513 China	Switzerland
Swagelok Limited Ballafletcher Road Tromode IM4 4RA Isle of Man	

Terpical Standards & Safety Authority Bellions & Pressure Vascols