

**STATUTORY DECLARATION
Registration of Fittings**

Single or Multiple Fitting Designs within one Fitting Category

I, James Nordholt, Vice President of Engineering
(name of applicant) (position title) (must be in a position of authority)
of Swagelok Company
(name of manufacturer)
located at 29500 Solon Road, Solon, OH 44139 USA
(plant address)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (select only one)

- comply with the requirements of ASME B16.34/B16.5, API 6A, API 6D which specifies the dimensions, (title of recognized North American Standard) 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 _____ as supported by the (title of code of construction or other applicable document) attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

Quality Program Verification and Manufacturing Sites

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	VS03 and VS04 Series Process Interface Valves	ISO 9001: 2015	Design, manufacture, and servicing of fluid system components and related products.	2024-04-25	BSI	Wika Italia S.r.l Via Bernarde 11/1 36047 Montegaldella (VI) Italy
2.	MS02 and MS03 Series Process Monoflanges	ISO 9001: 2015	Design, manufacture, and servicing of fluid system components and related products.	2024-04-25	BSI	Wika Italia S.r.l Via Bernarde 11/1 36047 Montegaldella (VI) Italy

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

Attachment A - Manufacturing Locations, Attachment B - Scope of Process Interface Valves, Code Compliance Summary,

Product Catalog MS-02-340

[Signature] (Signature of the Declarer)

03/11/2024 (Date)

DECLARED before me at Solon in the state of Ohio this 11th day of March, 2024

(print) JEFFREY C TRUMBULL (a Commissioner of Oaths or Notary Public)

(sign) [Signature] (a Commissioner of Oaths or Notary Public)

4/15/2025 (expiry date (mm/dd/yy))



JEFFREY C. TRUMBULL Notary Public State of Ohio Recorded in Lake County Certificate # 2020-RE-813693 My Commission Expires April 15, 2025

Commissioner of Oaths / Notary Public in and for: OHIO, USA (province, territory, or state)

For ABSA Office Use Only:

NOTES:

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category

CRN:

Registered Date:

Expiry Date: May 8, 2034

Signature: (Signature of the Administrator/SCO)

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline

2024-01596

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: 0C23957.2

See acceptance letter for conditions of registration.

Date: 2024-05-08

By: [Signature]

IAN WANG, P. Eng. DOP: D0009643

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.

Table 1 Scope of Fitting Designs**

Item #	Primary Pressure Bearing / Retaining Component	Material of Construction	Port Connections and Size Range	MDMT	Rated Pressure		Pressure Class(es) / Schedule(s)	Design Code(s) of Construction	Reference Catalogue (pages) or Drawing(s)
					At Ambient Temperature	At Maximum Temperature			
	Refer to attached technical documents and catalog								

Table 2 Additional Scope Information

List/Attach Additional Detail and References (Product Configurations, Options, Illustrations, etc.)
Example:
Series X Options
Refer to attached scope document

** For additional alternatives of Table 1, refer to Form AB-41a, Guide for Completing Form AB-41



Attachment B: Scope for Swagelok VS03 and VS04 Series Process Interface Valves and MS02 and MS03 Series Process Monoflanges (Category C)

This document represents the scope of the Swagelok VS03 and VS04 Series Process Interface Valves and MS02 and MS03 Series Process Monoflanges covered by this submission for CRN approval. These products were designed and evaluated in accordance with ASME B16.34, ASME B16.5, ASME VIII Division 1, API 6A, and API 6D.

Summary Tables

Table 1: VS03 Scope							
Body Material/ Specification	Configuration	ASME Flange Class	Flange Size	Bore Size	Minimum Temperature	Maximum Allowable Working Pressure (psig)	
						At 100°F	At 356°F
S31600/S31603 ASTM A479 and F316/F316L ASTM A182	Ball/Needle/Ball (Block/Bleed/Block) Full Bore Reduced Bore	150 300 600 900 900/1500 2500	1 in. (DN 25) 1-1/2 in. (DN 40) 2 in. (DN 50) 3 in. (DN 80)	1 in. (DN 25) 1-1/2 in. (DN 40) 2 in. (DN 50)	-50°F	6000	4280
Carbon Steel ASTM A350 LF2						6170	5280
S31803 ASTM A479 and F51 ASTM A182						6250	5120
S32760 ASTM A479 and F55 ASTM A182						5000	3940
N04400 ASTM B164 and ASTM B564						6250	5820
N06625 ASTM B446 and ASTM B564							
N08825 ASTM B425 and ASTM B564							

- 1) All seat and seal combinations
- 2) All flange types: RF smooth, RF serrated, RTJ, FF serrated, and FF smooth
- 3) Outlet connection = same as process



4) Bleed connection: 1/2 in. female NPT

Table 2: VS04 Flange by Flange and Flange by Thread Scope							
Body Material/ Specification	Configuration	ASME Flange Class	Process Connection Size	Outlet Connection	Minimum Temperature	Maximum Allowable Working Pressure (psig)	
						At 100°F	At 500°F
S31600/S31603 ASTM A479 and F316/F316L ASTM A182	Ball/Needle/Ball (Block/Bleed/Block) Ball/Needle (Block/Bleed) Ball/Ball (Block/Block) 3/8 in. (9.5 mm) bore	150 300/600 900/1500 2500	1/2 (DN 15) 3/4 (DN20) 1 in. (DN 25) 1-1/2 in. (DN 40) 2 in. (DN 50) 3 in. (DN 80)	Flange 1/4, 3/8, 1/2, 3/4 in. female NPT 1/4, 1/2, 3/4 in. male NPT 1/4, 3/8, 1/2, 3/4, 6mm, 10mm, 12mm, 20mm Swagelok	-50°F	6000	4280
Carbon Steel ASTM A350 LF2						6170	5280
S31803 ASTM A479 and F51 ASTM A182						6250	5120
S32760 ASTM A479 and F55 ASTM A182						6250	5120
N04400 ASTM B164 and ASTM B564						5000	3940
N06625 ASTM B446 and ASTM B564						6250	5820
N08825 ASTM B425 and ASTM B564						6250	5820

- 1) All seat and seal combinations
- 2) All flange types: RF smooth, RF serrated, RTJ, FF serrated, and FF smooth
- 3) Bleed connection: 1/2 in. female NPT



Table 3: VS04 Thread by Thread Scope						
Body Material/ Specification	Configuration	Inlet Connection	Outlet Connection	Minimum Temperature	Maximum Allowable Working Pressure (psig)	
					At 100°F	At 500°F
S31600/S31603 ASTM A479 and F316/F316L ASTM A182	Ball/Needle/Ball (Block/Bleed/Block) Ball/Needle (Block/Bleed) Ball/Ball (Block/Block) 3/8 in. (9.5 mm) bore	1/4, 3/8, 1/2, 3/4 in. female NPT 1/4, 1/2, 3/4 in. male NPT 1/4, 3/8, 1/2, 3/4, 6mm, 10mm, 12mm, 20mm Swagelok		-50°F	6000	4280
Carbon Steel ASTM A350 LF2					6170	5280
S31803 ASTM A479 and F51 ASTM A182					6250	5120
S32760 ASTM A479 and F55 ASTM A182					6250	5120
N04400 ASTM B164 and ASTM B564					5000	3940
N06625 ASTM B446 and ASTM B564					6250	5820
N08825 ASTM B425 and ASTM B564					6250	5820

- 1) All seat and seal combinations
- 2) All flange types: RF smooth, RF serrated, RTJ, FF serrated, and FF smooth
- 3) Bleed connection: 1/2 in. female NPT

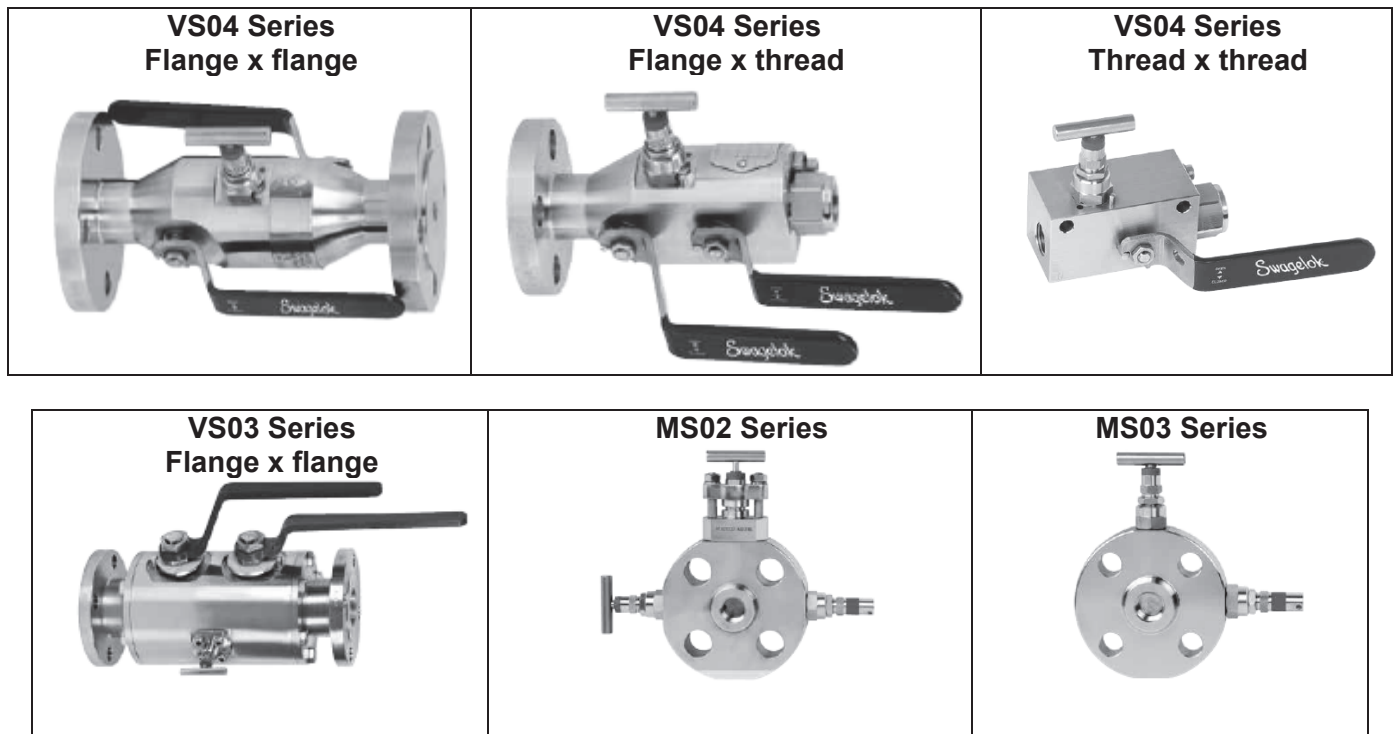


Table 4: MS02 and MS03 Scope

Body Material/ Specification	Configuration	ASME Flange Class	Process Connection Size	Outlet Connection	Minimum Temperature	Maximum Allowable Working Pressure (psig)	
						At 100°F	At 1000°F
S31600/S31603 ASTM A479	OS&Y Bolted Bonnet Integral Screwed Bonnet Block, Block and Bleed, Double Block and Bleed, Block and Bleed, dual outlet	150 300/600 900/1500 2500	1/2 in. (DN 15) 3/4 in. (DN 20) 1 in. (DN 25) 1-1/2 in. (DN 40) 2 in. (DN 50)	Monoflange wafer (thru holes) 1/4 in. female NPT 1/2 in. female NPT	-65°F	6000	4280
Carbon Steel ASTM A350 LF2						6170	5280
S31803 ASTM A479						6250	5120
S32760 ASTM A479						6250	5120
N04400 ASTM B164						5000	3940
N06625 ASTM B446						6250	5820
N08825 ASTM B425						6250	5820

- 1) All seal combinations
- 2) All flange types: RF smooth, RF serrated, RTJ, FF serrated, and FF smooth
- 3) Bleed connection: 1/4 in. female NPT, 1/2 in. female NPT, none

Product Illustrations



Typical Product Characteristics:

The list below are examples of product options which do not affect the pressure-temperature ratings shown in the Summary Table. All of the following options are within the scope of this registration:

- Lockable lever handles (for block valves)
- Non-lockable lever handles (for block valves)
- Antitamper bleed valve
- Bar handle (for bleed valve)
- Injection and sampling probes
- Silconert coating

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.

References

The product catalog does not represent the full scope of registration, but rather details some of the most common options.

- Swagelok Process Interface Valves Catalog MS-02-340 Rev ~~Q~~
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Attachment A. Swagelok Manufacturing Locations

This document lists the 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	Euromisure Wika Instruments S.a.s. di Wika Italia S.r.l Via Bernarde 11/1 36047 Montegaldella (VI) Italy