Manitoba
Inspection and Technical Services

June 22, 2024

ABSA
9410 - 20 Avenue NW
Edmonton, AB T6N 0A4

Dear Kristine Trepanier,

Re: Reciprocal CRN Registration in Manitoba

As indicated by the Regulatory Reconciliation and Cooperation Table and the Reconciliation Agreement for the Canadian Registration Number (CRN) for Pressure Equipment, the design reviews conducted and accepted by the Canadian province or territory, or their delegated safety authority, will be mutually recognized in the Province of Manitoba. If a registration is conditionally based on compliance with the notes set by the original issuing Jurisdiction, such compliance shall be applied the same to this Province.

Your submission has been registered, as follows:

File Number:	74-R4169
CRN:	0C23957.24
Scope:	Catalog MS-02-340 Rev R As Noted
Manufacturer:	SWAGELOK COMPANY
Expiry Date:	8 May 2034

Along with this letter is the invoice for registration.

In addition, every Pressure Vessel, Boiler, and Heat Exchanger shall be stamped with the registration number and as required by CSA Code B51, a Manufacturer's Data Report (MDR) must be forwarded to this office immediately at the time a unit is shipped to Manitoba. Send your MDR to qasupport@gov.mb.ca. In your subject line, indicate "*Manufacturer's Data Report-CRN No.*" A fee shall be billed to the Manufacturer to process data reports in accordance with the Steam and Pressure Plants Regulation section 17.1.

Please contact qasupport@gov.mb.ca for any questions or concerns.

Inspection and Technical Services
Labour and Immigration
508 – 401 York Avenue, Winnipeg, MB R3C 0P8
T (204) 945-3373 | **F** (204) 948-2089

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							
N04400 ASTM B164 and ASTM B564						5000	3940
N06625 ASTM B446 and ASTM B564						6250	5820
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	½ (DN 15) ¾ (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							
N04400 ASTM B164 and ASTM B564						5000	3940
N06625 ASTM B446 and ASTM B564						6250	5820
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) 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						
N04400 ASTM B164 and ASTM B564					5000	3940
N06625 ASTM B446 and ASTM B564					6250	5820
N08825 ASTM B425 and ASTM B564						

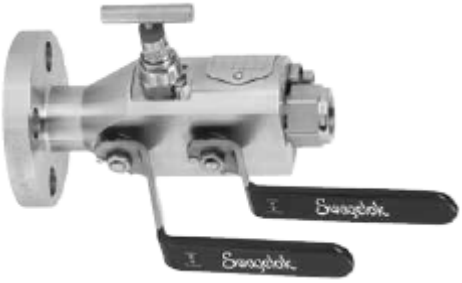
1) All seat and seal combinations
2) All flange types: RF smooth, RF serrated, RTJ, FF serrated, and FF smooth
3) Bleed connection: 1/2 in. female NPT

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							
N04400 ASTM B164						5000	3940
N06625 ASTM B446						6250	5820
N08825 ASTM B425							

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

VS04 Series Flange x flange	VS04 Series Flange x thread	VS04 Series Thread x thread
		

VS03 Series Flange x flange	MS02 Series	MS03 Series
		

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