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Technical Standards and Safety Authority
345 Carlingview Drive
Toronto, Ontario M9W 6N9
www.tssa.org

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

Swagelok®

STATUTORY DECLARATION Registration of Fittings

I, James Nordholt, Vice President of Engineering

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Swagelok Company

(Name of Manufacturer)

Located at 29500 Solon Road, Solon, Ohio 44139 USA

(Plant Address)

(440) 248-4600

(Telephone No.)

(440) 349-5970

(Fax No.)

☒ do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of
ASME B31.1 for unlisted components, and ASME B31.3 for unlisted components

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

☐ or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with
as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2015
which has been verified by the following authority, BSI

The items covered by this declaration, for which I seek registration, are category C type fittings. In support of this application, the following information and/or test data are attached as follows:

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

(drawings, calculations, test reports, etc.)

Declared before me at SOLON, OH in the STATE of OHIO

the 15 day of FEBRUARY AD 2024.

Commissioner for Oaths:

JEFFREY C. TRUMBULL
(Printed name)

[Signature]
(Signature)



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

[Signature]
(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category C.

CRN: _____

Registered by: _____

Dated: _____



The stamp
size has
been
optimized
for 11 x 17
documents

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

REGISTERED

C.R.N.: 0C25329.5

Signed: [Signature]

Date: July 4, 2024.

NOTE: This registration expires on:

Jul 04, 2034

*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.



Attachment B. Scope of CRN Registration for Swagelok Processes **Pressure Regulators sizes 08 (1/2") to 24 (1.5") (Category C)**

This document represents the scope of the Swagelok Process Pressure Regulators (SGRS, SGRD, SHRS, SHRD, SGBS, SGBD, SHBS, SGRA, and SGBA Series) covered by this submission for CRN approval. These products comply with the requirements of ASME B31.1-2020 "Power Piping" as an unlisted component per Section 104.7.2 and ASME B31.3-2022 "Process Piping" as an unlisted component per Section 304.7.2.

Note:

The temperature ratings in the table below in most cases exceed those shown in the product catalog. The pressure retaining components are designed to be safe at the temperature rating as demonstrated in the Code Compliance Summary, but the Swagelok factory must be consulted to determine which seat and seal materials listed in the Typical Product Characteristics section below are suitable for use at this temperature.

Summary Table

Product Series & Size	Main Pressure Bearing Component	Main Pressure Bearing Material	Port Connections and Sizes	Maximum Rated Pressure						Design Code of Construction
				At -49°F to 100°F			At maximum temperature			
				Inlet	Outlet	Dome	Inlet	Outlet	Dome	
SGRS08	Body	Stainless Steel (UNS S31603 / ASTM A479)	Female NPT 1/2"	6000psi @100°F	6000psi @100°F	N/A	1450psi @356°F	1450psi @356°F	N/A	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
SGRS12	Body	Stainless Steel (UNS S31603 / ASTM A479)	ASME B16.5 Flange 1/2" Female NPT 3/4"	6000psi @100°F	6000psi @100°F	N/A	1450psi @356°F	1450psi @356°F	N/A	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
			ASME B16.5 Flange 3/4" Female NPT 1"							
			ASME B16.5 Flange 1"							
SGRS16	Body	Stainless Steel (UNS S31603 / ASTM A479)	Female NPT 1" ASME B16.5 Flange 1"	6000psi @100°F	6000psi @100°F	N/A	1450psi @356°F	1450psi @356°F	N/A	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
SGRS24	Body	Stainless Steel (UNS S31603 / ASTM A479)	Female NPT 1.5" ASME B16.5 Flange 1.5"	6000psi @100°F	6000psi @100°F	N/A	1450psi @356°F	1450psi @356°F	N/A	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
SGBS08	Body	Stainless Steel (UNS S31603 / ASTM A479)	Female NPT 1/2"	6000psi @100°F	6000psi @100°F	N/A	1450psi @356°F	1450psi @356°F	N/A	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)

THIS IS PART OF CRN

0C25329.5

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program



Product Series & Size	Main Pressure Bearing Component	Main Pressure Bearing Material	Port Connections and Sizes	Maximum Rated Pressure						Design Code of Construction
				At ambient temperature			At maximum temperature			
				Inlet	Outlet	Dome	Inlet	Outlet	Dome	
SGBS12	Body	Stainless Steel (UNS S31603 / ASTM A479)	ASME B16.5 Flange 1/2" Female NPT 3/4" ASME B16.5 Flange 3/4" Female NPT 1" ASME B16.5 Flange 1"	6000psi @100°F	6000psi @100°F	N/A	1450psi @356°F	1450psi @356°F	N/A	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
SGBS16	Body	Stainless Steel (UNS S31603 / ASTM A479)	Female NPT 1" ASME B16.5 Flange 1"	6000psi @100°F	6000psi @100°F	N/A	1450psi @356°F	1450psi @356°F	N/A	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
SGBS24	Body	Stainless Steel (UNS S31603 / ASTM A479)	Female NPT 1.5" ASME B16.5 Flange 1.5"	6000psi @100°F	6000psi @100°F	N/A	1450psi @356°F	1450psi @356°F	N/A	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
SGRD08	Body	Stainless Steel (UNS S31603 / ASTM A479)	Female NPT 1/2"	6000psi @100°F	6000psi @100°F	413bar @38°C	1450psi @356°F	1450psi @356°F	1450psi @356°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
SGRD12	Body	Stainless Steel (UNS S31603 / ASTM A479)	ASME B16.5 Flange 1/2" Female NPT 3/4" " ASME B16.5 Flange 3/4" Female NPT 1" ASME B16.5 Flange 1"	6000psi @100°F	6000psi @100°F	413bar @38°C	1450psi @356°F	1450psi @356°F	1450psi @356°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
SGRD16	Body	Stainless Steel (UNS S31603 / ASTM A479)	Female NPT 1" ASME B16.5 Flange 1"	6000psi @100°F	6000psi @100°F	413bar @38°C	1450psi @356°F	1450psi @356°F	1450psi @356°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
SGRD24	Body	Stainless Steel (UNS S31603 / ASTM A479)	Female NPT 1.5" ASME B16.5 Flange 1.5"	6000psi @100°F	6000psi @100°F	413bar @38°C	1450psi @356°F	1450psi @356°F	1450psi @356°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
SGRA08	Body	Stainless Steel (UNS S31603 / ASTM A479)	Female NPT 1/2"	6000psi @100°F	6000psi @100°F	250psi @100°F	1450psi @356°F	1450psi @356°F	188psi @356°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
SGRA12	Body	Stainless Steel (UNS S31603 / ASTM A479)	ASME B16.5 Flange 1/2" Female NPT 3/4" ASME B16.5 Flange 3/4" Female NPT 1" ASME B16.5 Flange 1"	6000psi @100°F	6000psi @100°F	250psi @100°F	1450psi @356°F	1450psi @356°F	188psi @356°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)



Canadian Registration Number
Category C: Swagelok Process Pressure Regulators

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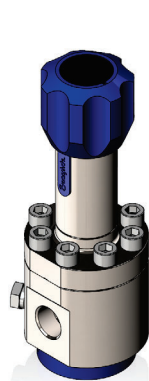
Product Series & Size	Main Pressure Bearing Component	Main Pressure Bearing Material	Port Connections and Sizes	Maximum Rated Pressure						Design Code of Construction
				At ambient temperature			At maximum temperature			
				Inlet	Outlet	Dome	Inlet	Outlet	Dome	
SHRS08	Body	Stainless Steel (UNS S31603 / ASTM A479)	Female NPT 1/2"	250psi @100°F	250psi @100°F	N/A	188psi @356°F	188psi @356°F	N/A	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
SHRS12	Body	Stainless Steel (UNS S31603 / ASTM A479)	ASME B16.5 Flange 1/2" Female NPT 3/4" ASME B16.5 Flange 3/4" Female NPT 1" ASME B16.5 Flange 1"	250psi @100°F	250psi @100°F	N/A	188psi @356°F	188psi@356°F	N/A	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
SHRS16	Body	Stainless Steel (UNS S31603 / ASTM A479)	Female NPT 1" ASME B16.5 Flange 1"	250psi @100°F	250psi @100°F	N/A	188psi @356°F	188psi @356°F	N/A	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
SHRS24	Body	Stainless Steel (UNS S31603 / ASTM A479)	Female NPT 1.5" ASME B16.5 Flange 1.5"	250psi @100°F	250psi @100°F	N/A	188psi @356°F	188psi @356°F	N/A	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
SHRD08	Body	Stainless Steel (UNS S31603 / ASTM A479)	Female NPT 1/2"	250psi @100°F	250psi @100°F	250psi @100°F	188psi @356°F	188psi @356°F	188psi @356°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
SHRD12	Body	Stainless Steel (UNS S31603 / ASTM A479)	ASME B16.5 Flange 1/2" Female NPT 3/4" ASME B16.5 Flange 3/4" Female NPT 1" ASME B16.5 Flange 1"	250psi @100°F	250psi @100°F	250psi @100°F	188psi @356°F	188psi @356°F	188psi @356°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
SHRD16	Body	Stainless Steel (UNS S31603 / ASTM A479)	Female NPT 1" ASME B16.5 Flange 1"	250psi @100°F	250psi @100°F	250psi @100°F	188psi @356°F	188psi @356°F	188psi @356°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
SHRD24	Body	Stainless Steel (UNS S31603 / ASTM A479)	Female NPT 1.5" ASME B16.5 Flange 1.5"	250psi @100°F	250psi @100°F	250psi @100°F	188psi @356°F	188psi @356°F	188psi @356°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)



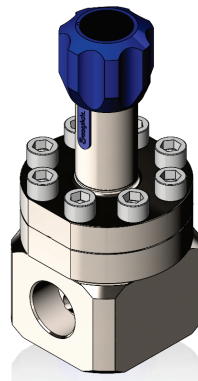
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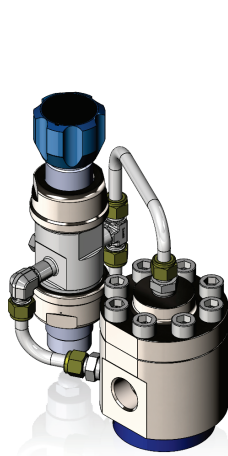
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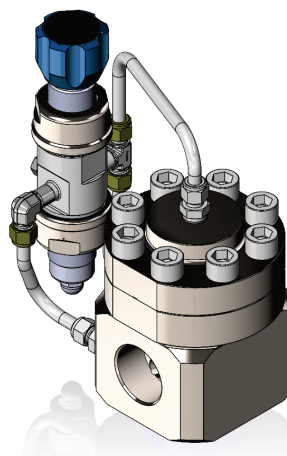
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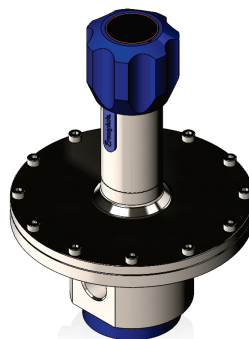
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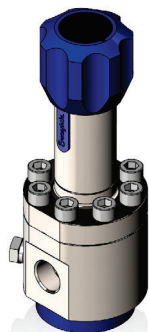
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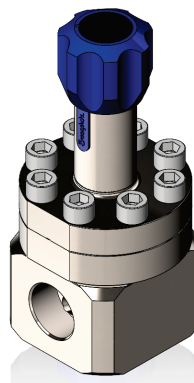
SHRS12



SGRA12



SGBS12



SGBS24



Typical Product Characteristics:

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:

- Body Seal Materials: FKM, Nitrile, EPDM, HNBR
- Diaphragm Materials: FKM, Nitrile, EPDM, HNBR
- Piston Seal Materials: FKM, Nitrile, EPDM, HNBR
- Seat Materials: FKM, Nitrile, EPDM, HNBR, PCTFE, PEEK

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

Handle Type
Cleaning options
Panel Mounting
Feedback Loops
Handle color
Anti-tamper
Laser Etching
ASTM G93 cleaning
NACE Components
External Feedback
External Feedback to the Pilot

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 below does not represent the full scope of the registration but rather details some of the most common options.

- MS-02-492 Process Pressure Regulators Rev. -