Alberta Government

ABSA the pressure equipment safety authority

AB-41 2024-03

STATUTORY DECLARATION
Registration of Fittings
Single or Multiple Fitting Designs within one Fitting Category

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

Swagelok

I, James Nordholt (name of applicant), Vice President of Engineering (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)

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 B31.1 and B31.3 Unlisted Components (title of recognized North American Standard) which specifies the dimensions, 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 _____ (title of code of construction or other applicable document) as supported by the 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.	RS2 and RD2 Series Regulators	ISO 9001: 2015	Design, manufacture, and servicing of fluid system components and related products	2027-04-25	BSI	As noted on certificate
2.						

Tracking #: _____

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

Product Catalog MS-02-430, Attachment A - Manufacturing Locations,

Attachment B - Scope for RS and RD Series Pressure Regulators, Code Compliance Summary

(Signature of the Declarer) 06/19/2025 (Date)

DECLARED before me at Solon (city) in the County of Cuyahoga (province, territory, or state)

this 19 day of June (Month), 2025 (Year)

(print) Jeffrey C Trumbull (a Commissioner of Oaths or Notary Public)

(sign) (a Commissioner of Oaths or Notary Public)

04/15/30 (expiry date (mm/dd/yy))

NOTARY PUBLIC STATE OF OHIO

JEFFREY C TRUMBULL
Notary Public
State of Ohio
My Comm. Expires
April 15, 2030

Commissioner of Oaths / Notary Public in and for: State of Ohio (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:

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

Technical Safety Authority of Saskatchewan

Registration No. 0C15741.23

File No. 103421

Registered

Date: August 18, 2025

Expiry Date: July 17, 2035

Codes & Standards Compliance Office

Tracking #:

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	Attachment B							

Table 2 Additional Scope Information

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

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

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Tracking #:_____

Attachment B. Scope for RS and RD Series Pressure Regulators (Category C)

Product Scope

This document represents the scope of the Swagelok RHPS Series Pressure Regulators (RS and RD) covered by this submission for CRN approval. The Swagelok RHPS Series Pressure Regulators (RS and RD) were designed and evaluated in accordance with ASME B31.1-2024 for unlisted components and ASME B31.3-2024 for unlisted components.

Summary Table

Product Series	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	Inlet	Outlet	
RD2	Body	Stainless Steel (UNS S31603 / ASTM A479)	Female NPT 1/4”	5800 psi @ 100 ^{0}F	4500 psi @ 100 ^{0}F	5800 psi @ 176 ^{0}F	4500 psi @ 176^{0}F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
RS2	Body	Stainless Steel (UNS S31603 / ASTM A479)	Female NPT 1/4”	5800 psi @ 100 ^{0}F	4500 psi @ 100 ^{0}F	5800 psi @ 176 ^{0}F	4500 psi @ 176^{0}F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)

Note:
The temperature ratings in the table above may 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.

Product Illustration

Technical Safety Authority of Saskatchewan
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RS2

RD2

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:

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

Additional that do not affect the pressure-temperature ratings may be made available within the scope of this registration. Examples of these include:

- Handle Type
- Cleaning options
- Panel Mounting
- Handle color
- Anti-tamper
- Laser Etching
- ASTM G93 cleaning
- NACE Components

Quality System

The Swagelok Company quality system complies with the requirements of BS EN 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.

- RHPS Series Pressure Regulator Catalog MS-02-430, Revision P