

ALBERTA BOILERS SAFETY ASSOCIATION
9410 20 AVENUE NW
EDMONTON AB T6N 0A4

Date: April 3, 2019
Account #: 34986
Journal #: 72914

Attn: CYNTHIA FORMANIUK

Re: Application for Design Registration

The design, as detailed in your, 2018-07997, for a Fitting is accepted for registration as follows:

Registered To: SWAGELOK COMPANY **CRN:** 0C19221.21

Drawing #: Scope of Registration

Drawing Revision: N/A

This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

Reviewer's Notes:

As required by CSA B51 4.2.1, this registration expires on January 08, 2029. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void. Any additional conditions of registration stated in ABSA CRN# 0C19221.2 registration shall apply to BC registration.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

Chelsea Pothier

chelsea.pothier@technicalsaftybc.ca
Design Administration

cc:

Attachment B: Scope for Swagelok R Series Relief Valves (Category C)

This document represents the scope of the R Series Relief Valves covered by this submission for CRN approval. The Swagelok R Series Relief Valves were designed and evaluated in accordance with ASME B31.1-2016 for unlisted components and ASME B31.3-2016 for unlisted components.

Summary Table

Product Description or 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	
RL3	Body	F316 SS (ASTM A182)	Swagelok Tube Fitting 1/4", 6MM, 8MM Female NPT 1/4" Male NPT 1/4" Female ISO 1/4" Male ISO 1/4"	300 psi @ 100°F (inlet side) 225 psi @ 100°F (outlet side)	300 psi @ 300°F (inlet side) 225 psi @ 300°F (outlet side)	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
RL4	Body	F316 SS (ASTM A182)	Swagelok Tube Fitting 1/2", 12MM Female NPT 1/2" Male NPT 1/2"	300 psi @ 100°F (inlet side) 225 psi @ 100°F (outlet side)	300 psi @ 300°F (inlet side) 225 psi @ 300°F (outlet side)	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
R3A	Body	F316 SS (ASTM A182)	Swagelok Tube Fitting 1/4", 6MM, 8MM Female NPT 1/4" Male NPT 1/4" Female ISO 1/4" Male ISO 1/4"	6000 psi @ 100°F (inlet side) 1500 psi @ 100°F (outlet side)	4660 psi @ 300°F (inlet side) 1500 psi @ 300°F (outlet side)	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
R4	Body	F316 SS (ASTM A182)	Swagelok Tube Fitting 1/2", 12MM Female NPT 1/2" Male NPT 1/2"	6000 psi @ 100°F (inlet side) 2500 psi @ 100°F (outlet side)	1500 psi @ 300°F (inlet side) 1500 psi @ 300°F (outlet side)	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA
 REGISTRATION OF FITTINGS

REGISTRATION NO. **OC19221.2**

DWG. NO. or CAT. NO. *Attachments B Pages 1-2 & Appendix*

TYPE OF FITTINGS *Swagelok R Series Relief Valves*

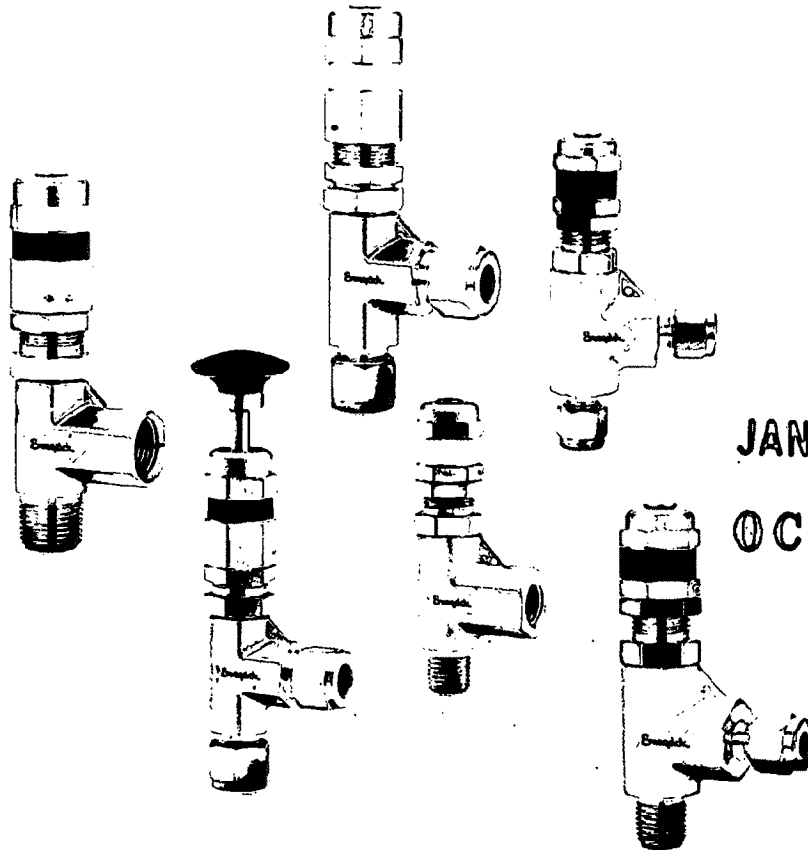
JAN 08 2019 INITIALS *Samir*

Date **JAN 08 2019** **SAMIR ISSA, PENG.**
 DESIGN SURVEY ENGINEER



CRN #: OC19221.21
 Date: April 3, 2019
 BC J#: 72 914

Product Illustration



JAN 08 2019

OC1922:1.2

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:

Stem Seal Material

Fluorocarbon (FKM) - standard
Buna N
Ethylene propylene
Neoprene
Perfluorocarbon (FFKM)

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.

- R Series Relief Valve Catalog MS-01-141, Rev R