

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

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| MANUFACTURERS NAME: <u>Swagelok Company</u> | |
| MANUFACTURERS ADDRESS: <u>29500 Solon Road, Solon, Ohio 44139 USA</u> | |
| PLANT LOCATIONS: <u>Headquarters: 29500 Solon Road, Solon, Ohio 44139 USA (See Attachment A)</u> | |
| <p align="center">CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p>B Flanges: all flanges</p> <p>C Valves: all line valves</p> <p>D Expansion joints, flexible connections, and hose assemblies: all types</p> <p>E Strainers, filters, separators, and steam traps</p> <p>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p>H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting AECB or ASME requirements)</p> | <p align="center">TITLE OF THE STANDARD OF CONSTRUCTION</p> <p align="center">ASME B31.1 for unlisted components, ASME B31.3 for unlisted components</p> |
| <p align="center">SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</p> <p align="center" style="font-size: 2em;"><i>Swagelok</i></p> | <p align="center">TYPE OF CONSTRUCTION</p> <p>FORGED <input checked="" type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER _____</p> |
| <p align="center">LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</p> <p>ISO 9001:2015 Certificate, Attachment A, Attachment B, Catalog Information and other Support Documents</p> | |


DECLARATION:

I, Joel Feldman (Name note by employed by) Swagelok Company and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by BSI as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.



Joel C. Feldman
Solon, Ohio
 City of November AD 2018
Jamie L. Ristau
 (Affix Official seal to the right) My Commission Expires: 03/06/2019

USE THIS SPACE FOR THE
OFFICIAL SEAL

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| <p align="center"><small>This space for Regulatory Authority use</small></p> <p align="center"><small>This registration must be revalidated after ten (10) years from the date of acceptance</small></p> <p>CRN: <u>OC19221.2</u></p> <p>FID#: <u>1214</u></p> <p><small>Notes:</small></p> <ol style="list-style-type: none"> All fittings shall be registered in the name of the Manufacturer. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years. |  <p>NUNAVUT Boilers and Pressure Vessels Act</p> <p align="center">REGISTERED</p> <p>CRN <u>OC19221.2</u></p> <p>Date <u>Feb 07, 2019</u></p> <p>Signed <i>[Signature]</i> Chief Inspector</p> <p align="center">Territorial Registration Fee</p> |
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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**

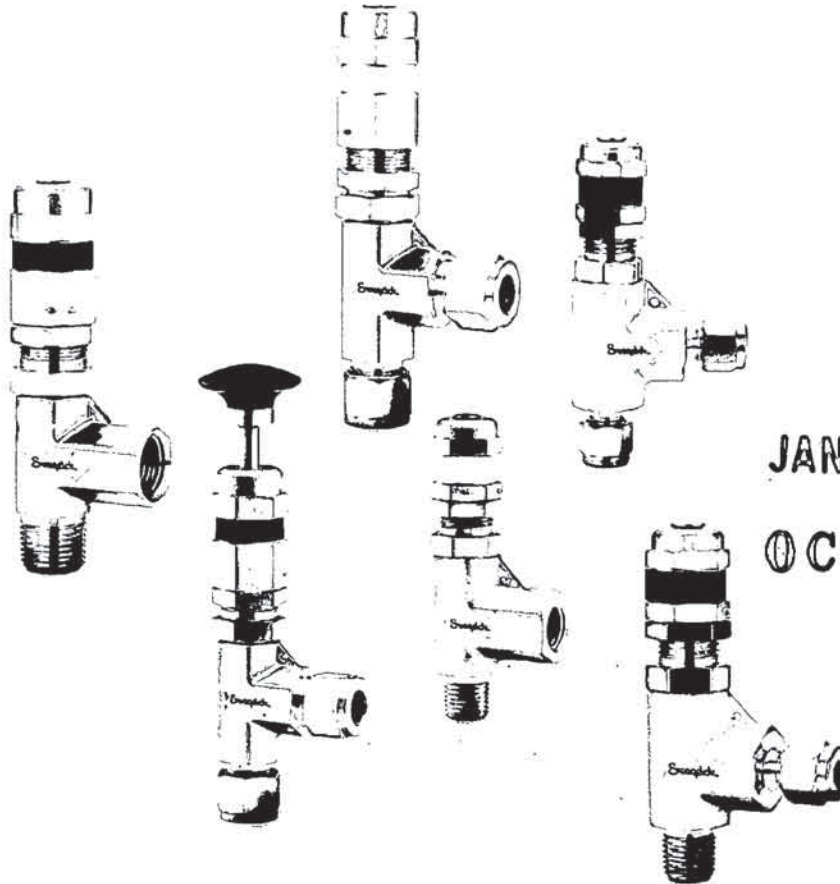
DWG. NO. or CAT. NO. *Attachments B Pages 1-2 & Appendix*

TYPE OF FITTINGS *Swagelok R Series Relief Valves*

JAN 08 2019 INITIALS *Samir*

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

Product Illustration



JAN 08 2019

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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

Attachment A. Swagelok Manufacturing Locations

This document lists the Swagelok locations where end item or component level manufacturing activities take place.

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OC19221.2

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| Swagelok Company 29500 Solon Road Solon, Ohio 44139 USA | Swagelok Company (Falon 1) 348 Bishop Road Highland Heights, Ohio 44143 USA |
| Swagelok Company (Highland) 318 Bishop Road Highland Heights, Ohio 44143 USA | Swagelok Company (Falon 2) 358 Bishop Road Highland Heights, Ohio 44143 USA |
| Swagelok Company (OFC) 29495 F.A. Lennon Drive Solon, Ohio 44139 USA | Swagelok Company (HPF) 6050 Cochran Road Solon, Ohio 44139 USA |
| Swagelok Company (Atlantic) 26651 Curtiss Wright Parkway Willoughby Hills, Ohio 44092 USA | Swagelok Company (Snow Metal) 6060 Cochran Road Solon, Ohio 44139 USA |
| Swagelok Company (Micro) 26653 Curtiss Wright Parkway Willoughby Hills, Ohio 44092 USA | Swagelok Company (Alfred) 29500 Ambina Drive Solon, Ohio 44139 |
| Swagelok Hose Services Company (SHSC) 29900 Solon Industrial Parkway Solon, Ohio 44139 | Swagelok Company (Strongsville) 15400 Foltz Road Strongsville, Ohio 44119 |
| Swagelok (China) Fluid System Technologies Ltd. Changshu Export Process Zone Changshu Economic Development Zone Changshu, Jiangshu 215513 China | Swagelok Company A.G. (European Technology Center) St. GallerstraBe 84 Lachen, Switzerland 8853 Switzerland |
| Swagelok Limited Ballafletcher Road Tromode IM4 4RA Isle of Man | |