



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

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 (440) 248-4600 (440) 349-5970
(Plant Address) (Telephone No.) (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 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, The British Standards Institution.

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 9001:2015 Certificate, Catalog Information, Support Documents, Attachment B
(drawings, calculations, test reports, etc.)

Declared before me at Solon in the State of Ohio
 the 12th day of May AD 2023.

Commissioner for Oaths:
Eleanor L Duke
(Printed name)
[Signature]
(Signature)



ELEANOR L DUKE
 Notary Public
 State of Ohio
 My Comm. Expires
 May 27, 2027

[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: _____

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0C16304.5R1

Signed: ll

Date: August 15, 2023.

NOTE: This registration expires on: AUG 15, 2033

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

SCOPE OF REGISTRATION: Renewal of attachment A and B.
 See them attached.

Attachment B. Scope for Swagelok K Series Pressure Regulators (Category C)

Product Scope

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

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Program

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 | |
| KPR | Body | Stainless Steel (UNS S31600 / ASTM A479) | Female NPT 1/4" | 6000 psi @ 100 °F | 500 psi @ 100 °F | 3600 psi @ 392 °F | 500 psi @ 392 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| | | | Tube Stub 1/4" x .035 VCR Gland no nuts 1/4" VCR rotatable female 1/4" VCR rotatable male 1/4" | 3600 psi @ 100 °F | 500 psi @ 100 °F | 3600 psi @ 392 °F | 500 psi @ 392 °F | |
| | | Brass (UNS C67500 / ASTM A479) | Female NPT 1/4" | 3600 psi @ 100 °F | 500 psi @ 100 °F | 3600 psi @ 392 °F | 500 psi @ 392 °F | |
| | | Alloy 400 (UNS N04400 / ASTM B164) Alloy C-276 (UNS N10276 / ASTM B574) | | | | | | |
| KCY | Body | Stainless Steel (UNS S31600 / ASTM A479) | Female NPT 1/4" | 6000 psi @ 100 °F | 500 psi @ 100 °F | 3600 psi @ 392 °F | 500 psi @ 392 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| | | Brass (UNS C67500 / ASTM B138) | Female NPT 1/4" | 3600 psi @ 100 °F | 500 psi @ 100 °F | 3600 psi @ 392 °F | 500 psi @ 392 °F | |
| | | Alloy 400 (UNS N04400 / ASTM B164) | | | | | | |
| | | Alloy C-276 (UNS N10276 / ASTM B574) | | | | | | |
| KCM | Body | Stainless Steel (UNS S31600 / ASTM A479) | Female NPT 1/4" | 3600 psi @ 100 °F | 500 psi @ 100 °F | 3600 psi @ 392 °F | 500 psi @ 392 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| KLF | Body | Stainless Steel (UNS S31600 / ASTM A479) | Female NPT 1/4" | 3600 psi @ 100 °F | 250 psi @ 100 °F | 3600 psi @ 392 °F | 250 psi @ 392 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |

| 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 | |
| KHF | Body | Stainless Steel (UNS S31600 / ASTM A479) | Female NPT 1/2" | 3600 psi @ 100 °F | 250 psi @ 100 °F | 3600 psi @ 392 °F | 250 psi @ 392 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| KCP | Body | Stainless Steel (UNS S31600 / ASTM A479) | Female NPT 1/8" | 3600 psi @ 100 °F | 1500 psi @ 100 °F | 3600 psi @ 392 °F | 1500 psi @ 392 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| KPP | Body | Stainless Steel (UNS S31600 / ASTM A479) | Female NPT 1/4" | 6000 psi @ 100 °F | 3000 psi @ 100 °F | 6000 psi @ 392 °F | 2975 psi @ 392 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| KPF | Body | Stainless Steel (UNS S31600 / ASTM A479) | Female NPT 1/2" | 6000 psi @ 100 °F | 4000 psi @ 100 °F | 6000 psi @ 392 °F | 4000 psi @ 392 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| KHP | Body | Stainless Steel (UNS S31600 / ASTM A479) | Female NPT 1/4" | 10000 psi @ 100 °F | 8000 psi @ 100 °F | 10000 psi @ 392 °F | 8000 psi @ 392 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| KHR | Body | Stainless Steel (UNS S31600 / ASTM A479) | Female NPT 1/4" | 10000 psi @ 100 °F | 8000 psi @ 100 °F | 10000 psi @ 212 °F | 8000 psi @ 212 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| KBP | Body | Stainless Steel (UNS S31600 / ASTM A479) | Female NPT 1/4" Tube Stub 1/4" x .035 VCR Gland no nuts 1/4" VCR rotatable female 1/4" VCR rotatable male 1/4" | 500 psi @ 100 °F | 500 psi @ 100 °F | 500 psi @ 392 °F | 500 psi @ 392 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| | | Brass (UNS C67500 / ASTM B138) | Female NPT 1/4" | 500 psi @ 100 °F | 500 psi @ 100 °F | 500 psi @ 392 °F | 500 psi @ 392 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| | | Alloy 400 (UNS N04400 / ASTM B164) | | | | | | |
| | | Alloy C-276 (UNS N10276 / ASTM B574) | | | | | | <u>ASME B31.3 (Unlisted Components)</u> |

| 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 | |
| KFB | Body | Stainless Steel (UNS S31600 / ASTM A479) | Female NPT 1/2" | 250 psi @ 100 °F | 250 psi @ 100 °F | 250 psi @ 392 °F | 250 psi @ 392 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| KCB | Body | Stainless Steel (UNS S31600 / ASTM A479) | Female NPT 1/8" | 375 psi @ 100 °F | 375 psi @ 100 °F | 375 psi @ 392 °F | 375 psi @ 392 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| KPB | Body | Stainless Steel (UNS S31600 / ASTM A479) | Female NPT 1/4" | 3000 psi @ 100 °F | 3000 psi @ 100 °F | 2975 psi @ 392 °F | 2975 psi @ 392 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| KHB | Body | Stainless Steel (UNS S31600 / ASTM A479) | Female NPT 1/4" | 8000 psi @ 100 °F | 8000 psi @ 100 °F | 8000 psi @ 212 °F | 8000 psi @ 212 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| KEV (diaphragm) | Body | Stainless Steel (UNS S31600 / ASTM A479) | Female NPT 1/4" | 3600 psi @ 100 °F | 500 psi @ 100 °F | 3600 psi @ 392 °F | 500 psi @ 392 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| KEV (piston) | Body | Stainless Steel (UNS S31600 / ASTM A479) | Female NPT 1/4" | 3600 psi @ 100 °F | 3000 psi @ 100 °F | 3600 psi @ 392 °F | 2975 psi @ 392 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| KSV | Body | Stainless Steel (UNS S31600 / ASTM A479) | Female NPT 1/4" | 3600 psi @ 100 °F | 500 psi @ 100 °F | 3600 psi @ 392 °F | 500 psi @ 392 °F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |

Product Illustration**THIS IS PART OF CRN**

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Program**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:

- PCTFE seat material
- PEEK seat material

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:

- ASTM G93 Level-E cleaned
- Swagelok SC-11 cleaned
- Handle Type (e.g. knob, thumbwheel, etc)
- Panel Mounting

Quality System

The Swagelok Company quality system complies with the requirements of BS EN ISO 9001:2015. The Swagelok Company maintains British Standards Institution Certificate of Registration Number FM 01729, which applies to all locations listed on the Certificate. The K Series Pressure Regulators are manufactured at a Swagelok Company locations in Solon, Ohio and Tromode, Isle of Man, British Isles.

References

The product catalog does not represent the full scope of registration, but rather details some of the most common options.

- K Series Pressure Regulator Catalog MS-02-230, Rev Q



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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| | |
|--|---|
| Swagelok Company 29500 Solon Road Solon, Ohio 44139 USA | Swagelok Company (HPF) 6050 Cochran Road Solon, Ohio 44139 USA |
| Swagelok Company (OFC) 29495 F.A. Lennon Drive Solon, Ohio 44139 USA | Swagelok Company (Snow Metal) 6060 Cochran Road Solon, Ohio 44139 USA |
| Swagelok Precision Machining Services 1924 East 337th Street Eastlake, OH 44095 USA | Swagelok (China) Fluid System Technologies Ltd. Changshu Export Process Zone Changshu Economic Development Zone Changshu, Jiangshu 215513 China |
| Swagelok Company (Highland) 318 Bishop Road Highland Heights, Ohio 44143 USA | Swagelok Company (Strongsville) 15400 Foltz Road Strongsville, Ohio 44119 |
| Swagelok Company (Atlantic) 26651 Curtiss Wright Parkway Willoughby Hills, Ohio 44092 USA | Swagelok Company (Alfred) 29500 Ambina Drive Solon, Ohio 44139 |
| Swagelok Company (Micro) 26653 Curtiss Wright Parkway Willoughby Hills, Ohio 44092 USA | Swagelok Hose Services Company (SHSC) 29900 Solon Industrial Parkway Solon, Ohio 44139 |
| Swagelok Company (Falon 1) 348 Bishop Road Highland Heights, Ohio 44143 USA | Swagelok Limited Ballafletcher Road Tromode IM4 4RA Isle of Man |
| Swagelok Company (Falon 2) 358 Bishop Road Highland Heights, Ohio 44143 USA | |