

**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

New Brunswick  
Nunavut

Nova Scotia  
Yukon

Prince Edward Island  
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: <u>Swagelok Company</u>	
Manufacturers Address: <u>29500 Solon Road, Solon, Ohio 44139-3492</u>	
Plant Locations: <u>Headquarters: 29500 Solon Road, Solon, Ohio 44139-3492 (See Attachment A)</u>	
<p align="center"><b>Category of Fittings to be registered. Circle one Category only</b></p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers                  B Flanges: all flanges                  C Valves: all line valves                  D Expansion joints, flexible connections, and hose assemblies: all types                  E Strainers, filters, separators, and steam traps                  F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters                  G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs                  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 CNSC or ASME requirements)</p>	<p align="center"><b>Title of the Standard of Construction</b></p> <p align="center">British Standards Institution</p>
<p><b>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</b></p> <div style="text-align: center; font-size: 2em; font-family: cursive;">Swagelok</div>	
<p align="center"><b>List of supporting documentation and identification of the actual items to be registered:</b></p> <p>ISO 9001: 2015 Quality System Certificate, Support Documents: Attachment B, Catalog Information</p>	
<p align="center"><b>Type of Construction</b></p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/>                  Cast <input type="checkbox"/> Other <input type="checkbox"/>                  Describe other:</p>	

**Declaration:**

I, Jay Nordhoff, Vice President, Engineering (see note 3) 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 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 esi 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.

Signature of Declarer: [Signature]  
 Declared before me at Solon, Ohio  
 This 25<sup>th</sup> day of May AD 2023  
 Commissioner of Oaths [Signature]  
 Or Notary Public: (sign) [Signature]  
 (Affix Official seal to the right)



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

<p align="center">This space for Regulatory Authority use.</p> <p align="center">This registration must be revalidated after ten (10) years from the date of acceptance.</p> <p>CRN: <u>OC16304.5 Rev1</u></p> <p>FID#: <u>1214</u></p> <p>Notes:</p> <ol style="list-style-type: none"> <li>All Fittings shall be registered in the name of the Manufacturer.</li> <li>Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.</li> <li>The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.</li> <li>Quality Control programs shall be resubmitted for validation.</li> </ol> <p>Scope: CRN renewal. K Series Pressure Regulators                  (incl. KPR, KCY, KCM, KLF, KHF, KCP, KPP, KPF, KHP, KHR, KBP, KFB, KCB, KPB, KHB, KEV-Diaph., KEV-Piston, KSV). 15 plant locations.                  ASME B31.1, B31.3 code of construction.                  CRN expires Aug. 15th, 2033 (DGallant)</p>	<p align="center"><b>ACCEPTED</b></p> <p align="center">PROVINCE OF PRINCE EDWARD ISLAND                  COMMUNITIES, LAND &amp; ENVIRONMENT</p> <p>C.R.N. <u>OC16304.59 Rev1</u>                  DATE: <u>August 25 2023</u></p> <p align="center"><u>[Signature]</u>                  INSPECTION SERVICES SECTION                  BOILER/PRESSURE VESSEL BRANCH</p> <p align="right">Fittings Rev.2</p>
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## 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.

### 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**



### **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