

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 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 B Flanges: all flanges <input checked="" type="radio"/> 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 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>ASME B31.1 for unlisted components, ASME B31.3 for unlisted components</p>
<p>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 type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input checked="" type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER _____</p>
<p>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, 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 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.

Signature of Declarer: *Joel C. Feldman*
 Declared before me at Unable to get a notary signature
 This _____ day of _____ or seal due to Covid-19 situation
 Commissioner of Oaths or Notary Public: (sign) April 22, 2020
 (Affix Official seal to the right)

THIS SPACE FOR THE

 DEPT OF JUSTICE PUBLIC SAFETY
 BOILER & PRESSURE VESSEL ACT

REGISTRATION ONLY

CRN OC 22506.57

Ram Arora
 CHIEF BOILER INSPECTOR

DATE 7/17/20

BLRs PVE
 FITTINGS NUCLEAR COMPONENTS

This space for Regulatory Authority use
 This registration must be revalidated after ten (10) years from the date of registration.

CRN: OC22506.5
 FID#: 1214
 BV series Bleed valves and P series Purge valves series.

1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

CRN expires June 17, 2030 - DG



THIS IS PART OF CRN

0C22506.5

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

Canadian Registration Number Submittal
Category C: Swagelok Bleed Valves and Purge Valves

Date: May 29, 2020
Page 1 of 2

Attachment B: Scope for Swagelok BV Series Bleed Valves and P Series Purge Valves (Category C)

This document represents the scope of the Swagelok BV Bleed Valves and P Purge Valves covered by this submission for CRN approval. These products were designed and evaluated in accordance with ASME B31.1-2018 for unlisted components and ASME B31.3-2018 for unlisted components.

Summary Table

Product Series	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections, Sizes	Maximum Rated Pressure (psig)		Design Code of Construction
				At -65 to 100°F (except Carbon Steel)	At max temperature	
BV	Body, Stem	316 SS (ASTM A479)	Male NPT 1/8", 1/4", 3/8", 1/2"	10,000	6085 @ 850°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
			Male ISO 1/4", 1/2"			
			Male SAE 1/4", 1/2"	4,568	4568 @ 400°F	
BV	Body, Stem	1018 Carbon Steel (ASTM A108)	Male NPT 1/8", 1/4", 3/8", 1/2"	10,000 @ -20 to 100°F	8630 @ 375°F	
			Male ISO 1/4", 1/2"			
			Male SAE 1/4", 1/2"	4,568 @ -20 to 100°F	4568 @ 375°F	
P	Body, Cap	316 SS (ASTM A479)	Female & Male NPT 1/8", 1/4", 3/8", 1/2"	4000	2500 @ 600°F	
			Male ISO 1/8"			
			Swagelok Tube Fitting 1/8", 1/4", 3/8", 1/2", 6MM, 8MM	Male SAE 1/4", 1/2"	4000	2850 @ 400°F
P	Body, Cap	12L14 Carbon Steel (ASTM A108)	Female & Male NPT 1/8", 1/4", 3/8", 1/2"	3000 @ -20 to 100°F	3000 @ 250°F	
			Male SAE 1/4", 1/2"			
			Male ISO 1/8"	Swagelok Tube Fitting 1/8", 1/4", 3/8", 1/2", 6MM, 8MM		

Product Series	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections, Sizes	Maximum Rated Pressure (psig)		Design Code of Construction	
				At -65 to 100°	At max temperature		
P	Body, Cap	Brass C36000 (ASTM B16)	Male NPT 1/8", 1/4", 1/2"	3000	740 @ 400°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)	
			Male ISO 1/8"				
			Swagelok Tube Fitting 1/8", 1/4", 3/8", 1/2", 6MM	2322			
			Swagelok Tube Fitting 8MM				
			Swagelok Tube Fitting 3/8"	2200			
			Swagelok Tube Fitting 1/2"	2100			
			1/8" FNPT	3000			640 @ 400°F
			1/4" FNPT	3000			660 @ 400°F
			3/8" FNPT	2600			520 @ 400°F
			1/2" FNPT	2400			480 @ 400°F
Male SAE 1/4", 1/2"	2284	297 @ 400°F					

Product Illustrations

BV Series Bleed Valves



P Series Purge Valves



Typical Product Characteristics:

Some of the product options listed below could 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:

BV Series Bleed Valves

- Handles
- Vent Tubes

P Series Purge Valves

- Ball Material (316SS standard, PTFE optional)

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.

- BV Bleed Valves and P Purge Valves Catalog MS-01-62, Rev N

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Attachment A. Swagelok Manufacturing Locations

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

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 Limited Ballafletcher Road Tromode IM4 4RA Isle of Man