UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

	AFIICOM	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME:	Swagelok Company		
MANUFACTURERS ADDRESS	29500 Solon Road	d, Solon, Ohio 44139 USA	William In the Company of the Company
PLANT LOCATIONS: Heads	uarters: 29500 Solon	Road, Solon, Ohio 44139 USA (See A	(ttachment 4)
CATEGORY OF FITT	INGS TO BE REGISTED	ED, CHICLE ONE CATEGORY ONLY	True of the stations of continuent
A Pipe fittings, including coupli is Flanges: all finges C Vatyes: all fine vatyes D Expansion joints, flands cos E Strainers, filters, seperators, F Measuring devices, including pressure transmitters C Certified chapelly-stand pres- bollers, pressure vessels, pip H Pressure retaining component M Nuclear components: Class	inga, tees, elbowa, Ys, plag medions, and hose easum and steem trape pressure gauges, lavel ga sure relief devices accepte plag and funible plags da that do not fall into one 1 [] Clean 2 [] Cleas 3 §	ga, unions, pipe cape, or soducers siblies: all types sugges, sight glasses, levels, or sible as primary ever pressure protection an of the above categories CJ. (Meeting AECS or ASAE requirements)	ASME B31.1 for unlisted components, ASME B31.3 for unlisted components
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Attachment B: Scope of CRN Registration for Swagelok Bellows-Sealed, B Series Valves (Category C)

Product Scope

This document represents the scope of Bellows-Sealed, B Series Valves covered by this submission for CRN approval. These Bellows-Sealed, B Series Valves have been evaluated in accordance with ASME B31.1 and B31.3 for unlisted components.

Table 1 - Summary Table

Product Series	Main Pressure Bearing Component	Main Pressure Bearing Material	Port Connections and Sizes	Maximum Allowable Working Pressure		Design Code
				@100°F	At Max. Temp.	Construction
4B, 6B, 8B (*see below)	Body, Bonnet, Bonnet nut	316 SS (ASTM A479)	Tube Fitting 1/4",3/8", 1/2", 6mm, 10mm, 12mm Tube Socket &Butt Weld 1/4", 3/8", 1/2", 3/4" Male VCR 1/4", 1/2" Butt Welded Female VCR 1/4", 1/2"	1000 psig	BG1:400 psig@600°F BW2:200 psig@900°F BK3:830 psig@200°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
		Alloy 400 N04400 (ASTM B164)		700 psig	BG1:375 psig@500°F BW2:375 psig@500°F BK3:610 psig@200°F	
		Brass C36000 (ASTM B16)	Tube Fitting 1/4",3/8",1/2", 6mm, 10mm, 12mm Tube Socket &Butt Weld 1/4", 3/8", 1/2", 3/4"	1000 psig	BG¹:150 psig@400°F BK³:710 psig@200°F	
4BK, 6BK, 8BK (1 Series Air Actuated)	Body, Bonnet, Bonnet nut	316 SS (ASTM A479)	Tube Fitting 1/4",3/8",1/2", 6mm, 10mm, 12mm Tube Socket & Butt Weld 1/4", 3/8", 1/2", 3/4" Male VCR 1/4", 1/2" Butt Welded Female VCR 1/4", 1/2"	Normally closed: 125 psig Normally open: 500 psig Double actuating: 700 psig	Max temp = 200°F, WP same as 100°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
		Alloy 400 N04400 (ASTM B164)			Normally closed: 125 psig@200°F Normally open: 500 psig@200°F Double actuating: 610 psig@200°F	
		Brass C36000 (ASTM B16)	Tube Fitting 1/4",3/8",1/2", 6mm, 10mm, 12mm Tube Socket & Butt Weld 1/4", 3/8", 1/2", 3/4"		Max temp = 200°F, WP same as 100°F	

^{*} Mode of operation: hand operated and 3 series air actuated (all materials), 5 series air OF actuated (316 and Alloy 400 only)

² BW Series has a welded body-to-bellows seal

Rollers & Pressure Vessels Selety Program

¹ BG Series has a gasket body-to-bellows seal

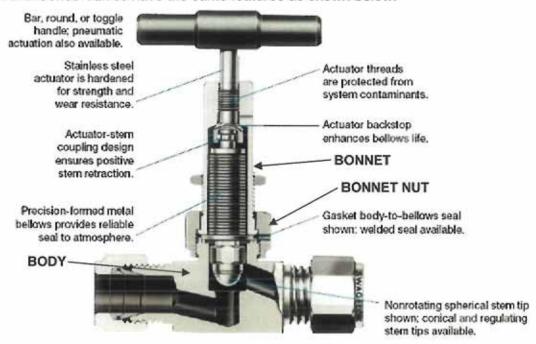
³ BK Series has a PCTFE (soft) stem tip and a gasket bonnet seal

Swagelok

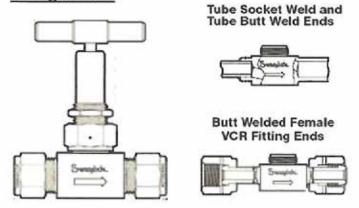
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Product Description

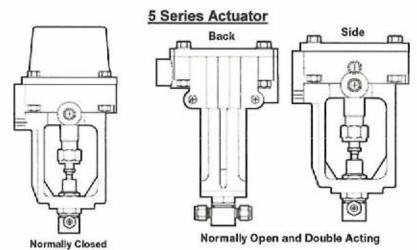
All B Series Valves have the same features as shown below.

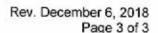


Configurations



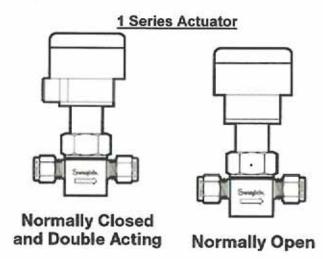


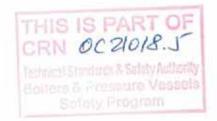






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Product Options:

The B Series valve stem tips and gaskets listed below affect pressure and/or temperature ratings shown in the above Summary Table, but in all cases the ratings are less than those shown below:

Stem Tips

- Alloy K-500 (regulating)
- Alloy K-500 (conical)
- Chrome-plated 316 SS (regulating)
- Cobalt-based alloy (spherical)
- PCTFE (conical)

Gaskets

- PTFE-coated 316 SS
- Silver-plated 316 SS
- PTFE-coated alloy 400
- Silver-plated alloy 400

Additional options and non-pressure boundary alterations that do not affect pressuretemperature ratings may be made available within the scope of this registration. Examples of these would include, but not be limited to, handle options, indicator switches, actuators, etc.

Quality System

The Swagelok Company quality system complies with the requirements of 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.

References

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

Bellows-Sealed Valves, B Series Catalog – MS-01-22, R13

Attachment A. Swagelok Manufacturing Locations

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

Swagelok Company	Swagelok Company (Falon 1)
29500 Solon Road	348 Bishop Road
Solon, Ohio 44139	Highland Heights, Ohio 44143
USA	USA
Swagelok Company (Highland)	Swagelok Company (Falon 2)
318 Bishop Road	358 Bishop Road
Highland Heights, Ohio 44143	Highland Heights, Ohio 44143
USA	USA
Swagelok Company (OFC)	Swagelok Company (HPF)
29495 F.A. Lennon Drive	6050 Cochran Road
Solon, Ohio 44139	Solon, Ohio 44139
USA	USA
Swagelok Company (Atlantic)	Swagelok Company (Snow Metal)
26651 Curtiss Wright Parkway	6060 Cochran Road
Willoughby Hills, Ohio 44092	Solon, Ohio 44139
USA	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)	Swagelok Company (Strongsville)
29900 Solon Industrial Parkway	15400 Foltz Road
Solon, Ohio 44139	Strongsville, Ohio 44119
Swagelok (China) Fluid System Technologies Ltd.	Swagelok Limited
Changshu Export Process Zone	Ballafletcher Road
Changshu Economic Development Zone	Tromode
Changshu, Jiangshu	IM4 4RA
215513 China	Isle of Man

