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

vew Brunswick Wunavut	Nova Scotia Yukon	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	
MANUFACTURERS NAME:	Swagelok Company		
AANUFACTURERS ADDRESS	29500 Solon Roa	d, Solan, Ohio 44139 USA	
PLANT LOCATIONS: Heado		I Road, Solon, Ohio 44139 USA (See A	Attachment Al
CATEGORY OF FITT	INGS TO BE REGISTER	ED. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTOR
B Flanges: all flanges O Valvasc. all line valvas D Expansion joints, flaxible con E Sirainats, filters, aspantors, F Monsuring devices, including pressurio transmittins	visotions, and hose enser And visem traps pressure gauges, level g	ags, unions, pips caps, or saducers addies: all types mopes, sight glasses, lovals, or table as primary over pressure protection on	ASME B31.1 for unlisted components, ASME B31.3 for unlisted components
botters, pressure vesauls, pla 1 Pressure retaining component	oing and fusible plugs		
		e of the above categories C, (Meeting AECB or ASME requirements)	
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Canadian Registration Number Submittal #H-BELLOWS-2020 Category C: Swagelok H, HK Series Bellows Valves

### Attachment B: Scope of Registration for Swagelok H and HK Series Bellows Valves (Category C)

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

### Summary Table

0C22395.5 Technical Standards and Safety Authority Boilers and Pressure Vessels Safety

						Program
	Main	Main	Main Maximum Rated Pressure		Design Code	
Product Series	Pressure Bearing Component	Pressure Bearing Material	Port Connections and Sizes	At ambient temperature	At maximum temperature	of Construction
2H (1/8")	Body, Bonnet	316 SS (ASTM A479)	Swagelok tube fitting 1/8" Female NPT 1/8" Male NPT 1/8" Female VCR fitting 1/8" Tube socket weld 1/8", 1/4" Tube butt weld 1/8", 1/4"	1000 psig @ -80 to 100° F	1000 psig @ 600°F	ASME B31.1 & ASME B31.3 (Unlisted Components)
4H (1/4")	Body, Bonnet		Swagelok tube fitting 1/4" Female NPT 1/4" Male NPT 1/4" Integral male VCR fitting 1/4" Female VCR fitting 1/4" VCO gland 1/4" Tube socket weld 1/4", 3/8" Tube butt weld 1/4", 3/8"			
6H-MM (6mm)	Body, Bonnet		Swagelok tube fitting 6mm			
2HK*, 2HG* (1/8")	Body, Stem Adapter	Body: Brass C36000	Swagelok tube fitting 1/8" Female NPT 1/8" Male NPT1/8"		500 paig @	
4HK*, 4HG* (1/4")	Body, Stem Adapter	(ASTM B16) Stem Adapter: H04 Phosphor	Swagelok tube fitting 1/4" Female NPT 1/4" Male NPT 1/4"	1000 psig @ -20 to 100° F	500 psig @ 200°F 150 psi @	ASME B31.1 & ASME B31.3 (Unlisted Components)
6HK-MM*, 6HG-MM* (6mm)	Body, Stem Adapter	Bronze C51000 (ASTM B139)	6mm Swagelok tube fitting		400°F for HG	. ,

\* Includes Valves with 1 Series Air Actuators

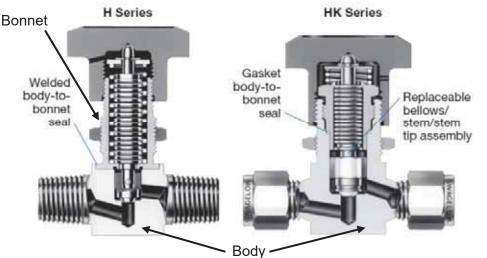
Note: HG series valves are the HK series valve but with a copper stem tip and a copper gasket for body-to-bonnet seal.



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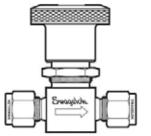
### Product Illustration

All H and HK Series Bellows Valves have the same features as shown below.



### **Configurations**



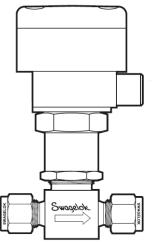


THIS IS PART OF CRN 0C22395.5 Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program

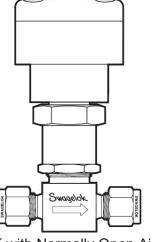
Hand Operated H Series

Hand Operated HK, HG Series

### 1 Series Air Actuator (Offered on HK Series Bellows Valve Only)



HK with Normally Closed Air Op



HK with Normally Open Air Op

# Swagelok

Canadian Registration Number Submittal #H-BELLOWS-2020 Category C: Swagelok H, HK Series Bellows Valves Date: February 5, 2020 Page 3 of 3

### Product Options:

Additional options that do not affect pressure and/or temperature ratings may be made available within the scope of this approval. Examples of these would include the following:

- H Series Cobalt-Based Stem Tip.
- Swagelok Special Cleaning and Packaging (SC-11).
- 1 Series air actuator on HK Series Bellows Valve.

### **Quality System**

The Swagelok Company quality system complies with the requirements of ISO 9001:2015. 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 the registration but rather details some of the most common options.

• H and HK Series Bellows Valve Product Catalog MS-01-36, R13

THIS IS PART OF CRN 0C22395.5 Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program

## Attachment A. Swagelok Manufacturing Locations

This document lists the Swagelok locations where end item or component level manufacturing activities take place. THIS IS PART OF CRN

		0C22395.5 Technical Standards and Safety Authority Boilers and Pressure Vessels Safety
Swagelok Company 29500 Solon Road Solon, Ohio 44139 USA	Swagelok Company (Falon 1) 348 Bishop Road Highland Heights, Ohio 44143 USA	Program
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	