UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

IEW BRUNSWICK IUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME	Swagelok Company		
MANUFACTURERS ADDR		nd, Solon, Ohio 44139 USA	
PLANT LOCATIONS: He		on Road, Solon, Ohio 44139 USA (See	Attachment A)
CATEGORY OF	FITTINGS TO BE REGISTER	RED. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTIO
B Flanges: all flanges Ovalves: all line valves D Expansion joints, flaxible E Strainers, fifters, separal F Measuring devices, inclu- pressure transmitters G Certified capacity-rated boilers, pressure vessel	o connections, and hose asse tors, and steam traps ding pressure gauges, level (gauges, sight glasses, levels, or stable as primary over pressure protection on	ASME B31.1 for unlisted components, ASME B31.3 for unlisted components
		3 D, (Meeting AECB or ASME requirements)	
SHOW MANUFACTURERS	agelok	LOGO AS IT WILL APPEAR ON THE PRODU	FORGED WELDED WROUGHT DESCRIBE OTHER
LIST OF SUPPORTING D	OCUMENTATION AND IDEN	NTIFICATION OF THE ACTUAL ITEMS TO B	E REGISTERED:
150 9001:2015 Certific	ate, Attachinent A, Attachi	ment B, Catalog Information and other Su	- Port Boulant
Joel Feldman, Vice President esponsibility for the qual my knowledge represent emperature ratings, and manufacture of these fith	s the product for which reg identification markings are ngs is regulated by a Qua	solemnly declare that the information cont gistration is sought. The dimensions, mal re in accordance with the herein named st lity Control Program which extends to ea	tained in this form is true and to the besterials of construction, pressure tandards. I further declare that the ch plant where fabrication occurs in who for that purpose and I make this solarm.
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Canadian Registration Number Submittal
Category C: Swagelok Integral Bonnet Needle Valves

Attachment B: Scope of Registration for Swagelok O, 1, 18, 20 and 26 Series Integral Bonnet Needle Valves (Category C)

This document represents the scope of the Swagelok O, 1, 18, 20 and 26 Series Needle 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.

THIS IS PART OF CRN

Summary Table

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Technical Standards and Safety Authority

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					Boilers and Pressure V num Rateo ogram ure (psig)	essels Safety
Product Series	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections, Sizes	At -65 to 100°F (except Carbon Steel)	@ max. temperature	Design Code of Construction
O, 1, 18	O, 1, 18 Body	F316 SS (ASTM A182)	Tube Fitting 1/8", 1/4", 3/8", 1/2", 3/4", 3MM, 6MM, 8MM, 10MM, 12MM, 18MM Female NPT 1/8", 1/4" Male NPT 1/8", 1/4", 3/8" Female ISO 1/4"	5000	3130 @ 600°F	
			Female NPT 3/8", 1/2" Female ISO 3/8", 1/2" Male NPT 1/2"	4400	2770 @ 600°F	
		F316 SS (ASTM A479)	Tube Fitting 1/4", 3/8", 1/2" Female NPT 1/4" Male NPT 1/4" 3/8", 1/2", 3/4" Female ISO 1/4"	6000	3760 @ 600°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted
20, 26	20, 26 Body		Female NPT 3/8"	5300	3330 @ 600°F	
			Female NPT 1/2" Female ISO 1/2"	4900	3080 @ 600°F	Components)
1, 18	Body	Type 1137 Carbon Steel (ASTM 181)	Tube Fitting 1/4", 3/8", 1/2", 3/4", 6MM, 8MM, 10MM, 12MM, 18MM Female NPT 1/4", 3/8", 1/2" Male NPT 1/4", 3/8", 1/2" Female ISO 1/4", 3/8", 1/2"	3000 @ -20°F to 100°F	2615 @ 350°F	
O, 1	Body	Alloy 400 (ASTM B564)	Tube Fitting 1/8", 1/4", 3/8", 1/2", 3/4", 8MM, 10MM Female NPT 1/8", 1/4" Male NPT 1/8", 1/4", Female ISO 1/4"	3000	2375 @ 500°F	



Swagelok
Canadian Registration Number Submittal
Category C: Swagelok Integral Bonnet Needle Valves

Product	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Rated Pressure (psig)		Design Code of
Series C				At -65 to 100°F	@ max. temperature	Construction
			Tube Fitting 1/8",1/4", 6MM Female NPT 1/8", 1/4" Female ISO 1/4" Male NPT 1/8", 1/4", 1/2"	3000	2350 @ 200°F	
THIS 0C2223	IS PART OF (RN	Tube Fitting 3/8"	2200	1760 @ 200°F	
I I	Standards and Safety and Pressure Vessels Program	· •	Tube Fitting 1/2"	2100	1680 @ 200°F	
			Tube Fitting 3/4"	1800	1440 @ 200°F	
		T1	Tube Fitting 8MM	2320	1858 @ 200°F	ASME B31.1 (Unlisted Components)
			Tube Fitting 10MM	1885	1509 @ 200°F	
			Tube Fitting 12MM	2030	1625 @ 200°F	
			Tube Fitting 18MM	1590	1277 @ 200°F	
		Brass	Female NPT 3/8" Female ISO 3/8"	2600	2340 @ 200°F	
O, 1, 18	Body	C37700 (ASTM B283)	Female NPT 1/2" Female ISO 1/2"	2400	2160 @ 200°F	
			Tube Fitting 1/8",1/4", 6MM Female NPT 1/8", 1/4" Female ISO 1/4" Male NPT 1/8", 1/4", 1/2"	3000		
			Tube Fitting 3/8" 2200			
			Tube Fitting 1/2"	2100		
			Tube Fitting 3/4"	1800	390 @	ASME B31.3
		Tube Fitting 8MM	2300		(Unlisted Components)	
			Tube Fitting 10MM	1885		
			Tube Fitting 12MM	2030		
			Tube Fitting 18MM	1590		
			Female NPT 3/8", 1/2" Female ISO 3/8", 1/2"	2400		

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Category C: Swagelok Integral Bonnet Needle Valves

Product Illustrations



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Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety

Program

Configurations

Bodies are available in straight pattern and angle pattern.

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:

Stem Packing Options

Polytetrafluoroethylene (PFA) Ultra High Molecular Weight Polyethylene (UHMWPE) Polyetheretherkeytone (PEEK)

O-ring Stem Seal Options

Nitrile Ethylene Propylene Silicone Kalrez

Stem Designs

Regulating
PCTFE soft-seat regulating
PTFE soft-seat regulating

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 handle options, actuator options, 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 registration, but rather details some of the most common options.

O, 1, 18, 20 and 26 Series Needle Valve Catalog MS-01-164, Rev N

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

