

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

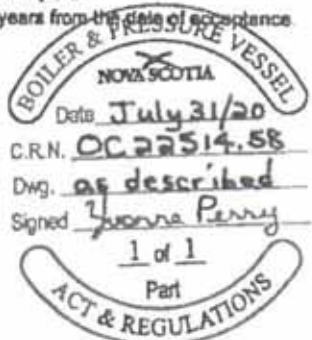
MANUFACTURER'S NAME: <u>Swagelok Company</u>	
MANUFACTURER'S ADDRESS: <u>29500 Solon Road, Solon, Ohio 44139 USA</u>	
PLANT LOCATIONS: <u>Headquarters: 29500 Solon Road, Solon, Ohio 44139 USA (See Attachment A)</u>	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY A Pipe fittings, including 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 N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> . (Meeting AECB or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.1 for unlisted components, ASME B31.3 for unlisted components
SHOW MANUFACTURER'S NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT <div style="text-align: center; font-size: 2em; font-family: cursive;">Swagelok</div>	TYPE OF CONSTRUCTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input checked="" type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: ISO 9001:2015 Certificate, Attachment A, Attachment B, Catalog Information and other Support Documents	

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 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: Joel C. Feldman
 Declared before me at _____

This _____ day of Unable to get a notary signature or seal
 Commissioner of Oaths or Notary Public: (sign) due to Covid-19 situation - June 5, 2020

USE THIS SPACE FOR THE
OFFICIAL SEAL

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance	
CRN: <u>OC22514.5</u> FID#: <u>1214</u> 31, S, M, L series metering valves. 14 plant Notes: locations. 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 22, 2030 - DG	



Attachment B: Scope for Swagelok 31, S, M, and L Series Metering Valves (Category C)

This document represents the scope of the Swagelok 31, S, M, and L Series Metering 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 -10 to 100°F (except 31 Series)	At max temperature	
31	Body, Bonnet	316 SS (ASTM A479)	Tube Fitting 1/4", 6MM Female NPT 1/8", 1/4"	5000 @ -65 to 100°F	3435 @ 450°F 2815 @ 850°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
S	Body, Bonnet	316 SS (ASTM A479)	Tube Fitting 1/16", 1/8", 1/4", 3MM, 6MM Male VCR 1/4"	2000	2000 @ 400°F	
M	Body, Bonnet	316 SS (ASTM A479)	Tube Fitting 1/8", 1/4", 3MM, 6MM Male NPT 1/8", 1/4" Female NPT 1/8" Male VCR 1/4"	1000	1000 @ 400°F	
L	Body, Bonnet	316 SS (ASTM A479)	Tube Fitting 1/4", 3/8", 6MM Male NPT 1/4"	1000	1000 @ 400°F	
S	Body, Bonnet	Brass C37700 (ASTM B283)	Tube Fitting 1/16", 1/8", 1/4", 3MM, 6MM	2000	2000 @ 200°F	ASME B31.1 (Unlisted Components)
M	Body, Bonnet	Brass C37700 (ASTM B283)	Tube Fitting 1/8", 1/4", 3MM, 6MM Male NPT 1/8", 1/4" Female NPT 1/8"	1000	1000 @ 200°F	
L	Body, Bonnet	Brass C37700 (ASTM B283)	Tube Fitting 1/4", 3/8", 6MM Male NPT 1/4"	1000	1000 @ 200°F	
S	Body, Bonnet	Brass C37700 (ASTM B283)	Tube Fitting 1/16", 1/8", 1/4", 6MM	2000	2000 @ 300°F	ASME B31.3 (Unlisted Components)
			Tube Fitting 3MM	2000	1885 @ 300°F	
M	Body, Bonnet	Brass C37700 (ASTM B283)	Tube Fitting 1/8", 1/4", 3MM, 6MM Male NPT 1/8", 1/4" Female NPT 1/8"	1000	1000 @ 300°F	
L	Body, Bonnet	Brass C37700 (ASTM B283)	Tube Fitting 1/4", 3/8", 6MM Male NPT 1/4"	1000	1000 @ 300°F	

Product Illustration



THIS IS PART OF CRN
0C22514.5
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

Typical Product Characteristics

Additional options that do not affect pressure-temperature ratings may be made available within the scope of this registration. Examples of these would include stem seal materials and handles.

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.

- 31, S, M, L Series Metering Valves Catalog MS-01-142, R11

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	THIS IS PART OF CRN 0C22514.5 Technical Standards and Safety Authority Boilers and Pressure Vessels Safety 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	