

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 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 align="center">ASME B31.1 for unlisted components, ASME B31.3 for unlisted components</p>
<p align="center">SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</p> <p align="center" style="font-size: 2em;">Swagelok</p>	<p align="center">TYPE OF CONSTRUCTION</p> <p>FORGED <input checked="" type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:</p>
<p align="center">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 manufacturing 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.



Declarer: Joel Feldman
 Location: Solon, Ohio
 Day of Nov AD 2019
 Signature of Public: (sign) Brenda Hemmel
 (Affix Official seal to the right)

USE THIS SPACE FOR THE
OFFICIAL SEAL

New Brunswick
Brunswick

DEPT OF JUSTICE PUBLIC SAFETY
BOILER & PRESSURE VESSEL ACT

REGISTRATION ONLY

CRN OC22209.57

Bruce A...
CHIEF BOILER INSPECTOR

DATE 3/20/20

BLRs PVs

FITTINGS NUCLEAR COMPONENTS

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

CRN: OC22209.5
 FID#: 1214
 SERIES NEEDLE VALVES - 3000psi (max)

Notes:
 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 FEB. 27, 2030 - D.G.

Attachment B: Scope of CRN Registration for Swagelok D Series Needle Valves (Category C)

This document represents the scope of the Swagelok D 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.

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	@ max temperature	
OD	Body	F316 SS (ASTM A182)	Tube Fitting 1/8" Female NPT 1/8" Male NPT 1/8"	3000	2065 @ 450°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
14D	Body	F316 SS (ASTM A182)	Tube Fitting 1/4", 6MM Male NPT 1/4"	3000	2065 @ 450°F	
16D	Body	F316 SS (ASTM A182)	Tube Fitting 3/8" Female NPT 1/4" Male NPT 1/4", 3/8", 1/2"	3000	2065 @ 450°F	
14D	Body	Alloy 400 (ASTM B564)	Tube Fitting 1/4", 6MM Male NPT 1/4"	3000	2380 @ 450°F	
16D	Body	Alloy 400 (ASTM B564)	Tube Fitting 3/8" Female NPT 1/4" Male NPT 1/4", 3/8", 1/2"	3000	2380 @ 450°F	
OD	Body	Brass C37700 (ASTM B283)	Tube Fitting 1/8" Female NPT 1/8" Male NPT 1/8"	3000	2350 @ 200°F	
14D	Body	Brass C37700 (ASTM B283)	Tube Fitting 1/4", 6MM Male NPT 1/4"	3000	2350 @ 200°F	
16D	Body	Brass C37700 (ASTM B283)	Female NPT 1/4" Male NPT 1/4", 3/8", 1/2"	3000	2350 @ 200°F	
			Tube Fitting 3/8"	2200	1760 @ 200°F	



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	@ max temperature	
OD	Body	Brass C37700 (ASTM B283)	Tube Fitting 1/8" Female NPT 1/8" Male NPT 1/8"	3000	390 @ 400°F	ASME B31.3 (Unlisted Components)
14D	Body	Brass C37700 (ASTM B283)	Tube Fitting 1/4", 6MM Male NPT 1/4"	3000	390 @ 400°F	
16D	Body	Brass C37700 (ASTM B283)	Female NPT 1/4" Male NPT 1/4", 3/8", 1/2"	3000	390 @ 400°F	
			Tube Fitting 3/8"	2200	390 @ 400°F	

Product Illustrations



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:

Valve Seat Material

PCTFE
 PEEK

Stem Seal Material

Fluoroelastomer (FKM) – standard
 Perfluoroelastomer (FFKM)
 Nitrile
 Ethylene propylene
 Silicone



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.

- D Series Needle Valve Catalog MS-01-42, Rev H



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) 353 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

