

Statutory Declaration Registration of Fittings

(a) Design Qualification

I¹ Joel Feldman
Vice President, Engineering
(Position eg, president, plant manager, chief eng.)

Of Swagelok Company
(name of company)

Located at Headquarters: 29500 Solon Road, Solon, Ohio 44139 USA (See Attachment A)
(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required.

Or

are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with _____
_____ code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

(b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ISO 9001:2015, and has been verified by the following authority or authorized agency BSI

The fittings² covered by this declaration, for which I seek registration, are Category C, Valves

In support of the application, the following information, calculations and/or test data are attached:
ISO 9001:2015 Certificate, Attachment A, Attachment B, Catalog Information and other Support Documents



Declared before me at Solon

In the of state of Ohio

The 2nd Day of Nov AD 20 19

Brenda Hammel
A (commissioner for oaths)

Joel C. Feldman
Signature of Declarer

For Official Use Only	
The application is accepted for registration in Category _____ in accordance with the Boilers and Pressure Vessels Act, CSA Standard B51.	 Régie du bâtiment Québec 
This registration must be revalidated after ten (10) years from the date of acceptance.	
Registered Number CRN _____	For the Chief Inspector
	Date <u>0C22209.56</u> <u>19MARS2020</u>

- 1 **Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.**
- 2 **All fittings are required to be registered in the name of the Manufacturer.**
- 3 **This form shall be completed and signed by the president of highest official in the manufacturing plan where the fitting is produced.**



**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	ASME B31.1 (Unlisted Components)
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



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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) 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



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