## 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: Swagelok Company	
MANUFACTURERS ADDRESS: 29500 Solon Road, Solon, Ohio 44139 USA	
PLANT LOCATIONS: Headquarters: 29500 Solon Road, Solon, Ohio 44139 USA (See	Attachment (1)
CATEGORY OF FITTINGS TO BE REGISTERED, CIRCLE ONE CATEGORY ONLY	THE OF THE STANDARD OF CONSTRUCTS
A Pipe fittings, including couptings, tees, elbows, Ys, plags, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all flanges Expansion joints, flexible connections, and hose assembles: all types Extrainent, filters, separators, and steam traps F Massuring 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 bolites, pressure vessels, piping and fusible plags H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 □ Class 2 □ Class 3 □, (Meeting AECB or ASME requirements)	ASME B31.1 for unlisted components, ASME B31.3 for unlisted components
HOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUC	
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# 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
				At -65 to 100°F	@ max temperature	of Construction
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	ASME B31.1 (Unlisted Components)
14D	Body	Brass C37700 (ASTM B283)	Tube Fitting 1/4", 6MM Male NPT 1/4"	3000	2350 @ 200°F	
16D	Body	Brass Body C37700	Female NPT 1/4" Male NPT 1/4",3/8",1/2"	3000	2350 @ 200°F	
100	body	(ASTM B283)	Tube Fitting 3/8"	2200	1760 @ 200°F	



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Product Series	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections, Sizes	Maximum Rated Pressure (psig)		Design Code
				At -65 to 100°F	@ max temperature	Construction
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 Bo	Brass Body C37700	Female NPT 1/4" Male NPT 1/4",3/8",1/2"	3000	390 @ 400°F		
	i - meti	(ASTM B283)	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:

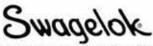
#### Valve Seat Material

PCTFE PEEK

#### Stem Seal Material

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





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Category C: Swagelok Needle Valves

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#### **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	Swagelok Company (Falon 1)
29500 Solon Road	348 Bishop Road
Solon, Ohio 44139	Highland Heights, Ohic 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

