

Suite 600 - 2889 E 12th Ave Vancouver, BC V5M 4T5

Toll Free: 1-866-566-7233 www.technicalsafetybc.ca

TECHNICAL STANDARDS & SAFETY AUTHORITY 345 CARLINGVIEW DRIVE TORONTO ON M9W 6N9
 Date:
 April 2, 2020

 Account #:
 35231

 Journal #:
 75370

Attn: CECYLIA GARBACZ

Re: Application for Design Registration

The design, as detailed in your, CRN#0C22209.5, for a Fitting is accepted for registration as follows:

Registered To: SWAGELOK COMPANY CRN: 0C22209.51

Drawing #: Scope of Registration

Drawing Revision: N/A

Conditions Of Registration:

This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

Scope of Registration: Stamped attachment A and B. SWAG ELOK D Series needle valves

Reviewer's Notes:

As required by CSA B51 4.2.1, this registration expires on 27-Feb-2030. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void. Any additional conditions of registration stated in TSSA CRN# 0C22209.5 registration shall apply to BC registration.



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Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

Janina Mihailescu

janina.mihailescu@technicalsafetybc.ca Design Administration

cc:



Technical Standards and Safety Authority 345 Carlingview Drive Toronto, Ontario M9W 6N9 www.tssa.org

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

Swagelok

	DECLARATION on of Fittings	
I, Joel Feldman, Vice President of Engineering		
(Name and Position, e.g. President, i	Plant Mananer Chief Enningert	
	want wantiger, oner engineen	
of Swagelok Company (Name of Manie	a franch a source of	
AND AND AN AN AN AN AN AN ANA ANA ANA AN	M	
Located at 29500 Solon Road, Solon, Ohio 44139 USA (Plant Address)	(440) 248-4600 (Telephone No.)	(440) 349-5970 (Fax No.)
do solemnly declare that the fittings listed hereunder, which a and Pressure Vessels Regulation, comply with all of the regulation.	re subject to the Technical Standard uirements of	
ASME B31.1 for unlisted components, and ASME B31.3 for	an en se an grander en	
(Tille of recognized North A which specifies the dimensions, materials of construction, pressure		o the fittings and service
pressure/temperature ratings and the basis for such ratings, the	Iched data which identifies the dimensio a marking of the fitting for identification a quality system meeting the requireme	ns, material of construction, and service.
which has been verified by the following authority, B		
The items covered by this declaration, for which I seek registration, are cate		type fittings. In support of
this application, the following information and/or test data are attached as fol		
ISO 9001:2015 Certificate, Attachment A, Attachment B, Catalog I	the second s	nents
(drawings, calculations,	test reports, etc.)	
Declared before me at 500 i	n the State	of Ohio
the 25t day of NOV AD 20 19		
Commissioner for Oaths:		
Brenda Nammel		
(Printed name)	11.2	11
Berda Jannel	feel (, tal	-
(Signature)	(Signature of L	Declarer)
FOR OFFICE U	JSE ONLY Technical	Boilers and
To the best of my knowledge and belief, the application meets the require		Pressure Vessels
Technical Standards and Safety Act, Boilers and Pressure Vessels Re	equilation and uthority	Safety Program
CSA Standard B51 and is accepted for registration in Category	DECIST	ERED
CRN: 0022209,5		CONTRACT OF CONTRACT
Registered by:	C.R.N. 0C.22	209.5
Dated: Teb. 27, 2020	Signed:	2
NOTE: This registration expires on:	030 Date:Feb. 27	, 2020

*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request. PV 09553 (04/17) For scope of registration see attached stamped Attachment A and B

Swagelok

Canadian Registration Number Submittal #D-NEEDLE-2019 Category C: Swagelok Needle Valves

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	Port Connections,	Maximum Rated Pressure (psig)		Design Code	
	the contract of the cost of th	Material (Standard)	Sizes	At -65 to 100°F		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	Body	Brass C37700	Female NPT 1/4" Male NPT 1/4",3/8",1/2"	3000	2350 @ 200°F	
	(ASTM B283)	Tube Fitting 3/8"	2200	1760 @ 200°F		





Canadian Registration Number Submittal #D-NEEDLE-2019 Category C: Swagelok Needle Valves February 17, 2020 Page 2 of 3

Product Series Bearing Component	Main Pressure Bearing	Port Connections,	Maximum Rated Pressure (psig)		Design Code	
	Bearing Component	Material	Sizes	At -65 to 100°F	@ max temperature	of 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 Body	Brass C37700	Female NPT 1/4" Male NPT 1/4",3/8",1/2"	3000	390 @ 400°F		
		(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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Canadian Registration Number Submittal #D-NEEDLE-2019 Category C: Swagelok Needle Valves February 17, 2020 Page 3 of 3

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

