

Statutory Declaration Registration of Fittings

REGISTERED



CRN: CSA-OE21343.56

Registration Process administered by
CSA Group per CSA B51

(a) Design Qualification

I' 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 E. Filters

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 Jamie L. Ristau
Resident Portage County
In the of State of Ohio Notary Public, State of Ohio
My Commission Expires: 03/06/2018

The 4th Day of February AD 19 2019

Jamie L. Ristau
A (commissioner for oaths)

Joel Feldman
Signature of Declarer³

For Official Use Only

The application is accepted for registration in Category E in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance. Apr. 29. 2029

Registered Number CRN CSA-OE21343.56

For the Chief Inspector
Date 

A. BANWATT
Jun. 10. 2019

- 1 Three completed copied 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 plant where the fitting is produced.

Attachment B: Scope of CRN Registration for Swagelok F, TF, FW and FC Series Filters (Category E)

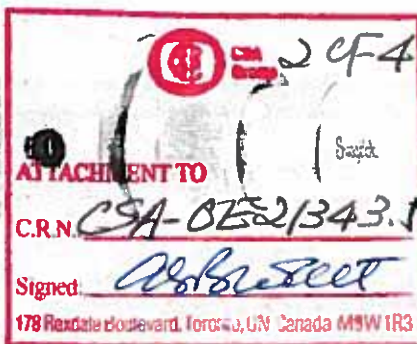
This document represents the scope of the F, TF, FW and FC Series Filters covered by this submission for CRN approval. These filters were designed and evaluated in accordance with ASME B31.1-2016 for unlisted components and ASME B31.3-2016 for unlisted components.

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3
 Signed: *[Signature]*

Summary Table

Product Series	Main Pressure Bearing Component	Main Pressure Bearing Material	Port Connections and Sizes	Maximum Rated Pressure (psig)		Design Code of Construction
				@ 100°F	@ Max Temp.	
2F, 4F	Body	316 SS (ASTM A479)	Tube Fitting 1/8", 1/4", 3mm, 6mm Female NPT 1/8", 1/4" Male NPT 1/4" Male VCR 1/4"	3000	1640 @ 900°F	PART OF DE 21343.5 ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
6F, 8F	Body	316 SS (ASTM A479)	Tube Fitting 3/8", 1/2"	2500	1360 @ 900°F	
2F, 4F, 6F, 8F	Body	C36000 Brass (ASTM B16)	Tube Fitting 1/8", 1/4", 3/8", 1/2", 6mm, 8mm, 10mm, 12mm Female NPT 1/8", 1/4" Male NPT 1/4", 3/8", 1/2"	1000	680 @ 300°F	
2TF, 4TF, 6TF, 8TF	Body	316 SS (ASTM A479)	Tube Fitting 1/8", 1/4", 3/8", 1/2", 6mm, 8mm, 10mm, 12mm Female NPT 1/8", 1/4" Male NPT 1/4", 3/8", 1/2" Tube Socket Weld 1/4", 3/8"	6000	3280 @ 900°F	
2TF, 4TF, 6TF, 8TF	Body	C36000 Brass (ASTM B16)	Tube Fitting 1/8", 1/4", 6mm, 8mm, 10mm Female NPT 1/8", 1/4" Male NPT 1/4", 3/8", 1/2"	2000	1470 @ 300°F	
			Tube Fitting 3/8"	2000	1430 @ 300°F	
			Tube Fitting 1/2"	2000	1365 @ 300°F	
			Tube Fitting 12mm	2000	1320 @ 300°F	
4TF, 8TF	Body	Alloy 400 N04400 (ASTM B164)	Tube Fitting 1/8", 1/4", 3/8", 6mm, 8mm, 10mm Female NPT 1/8", 1/4" Male NPT 1/4", 3/8", 1/2"	5000	4160 @ 300°F	
			Tube Fitting 1/2"	4400	3652 @ 300°F	
			Tube Fitting 12MM	4208	3493 @ 300°F	
FW	Body	316 SS (ASTM A479)	Tube Fitting 1/4", 6mm Female NPT 1/8", 1/4" Male NPT 1/4" Male VCR 1/4"	6000	3280 @ 900°F	
FC	Body	316 SS (ASTM A479)	Tube Fitting, Female 1/4", 6mm Female NPT 1/8", 1/4" Female ISO 1/4"	1000	760 @ 400°F	

Product Illustration



FC Series

Typical Product Characteristics

Some product options 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. An example of this would be optional body seal materials.

Additional options that do not affect pressure-temperature ratings may be made available within the scope of this registration. An example of this would be optional filter elements.

All of the above options, those that affect pressure and/or temperature ratings and those that do not, are within the scope of this approval.

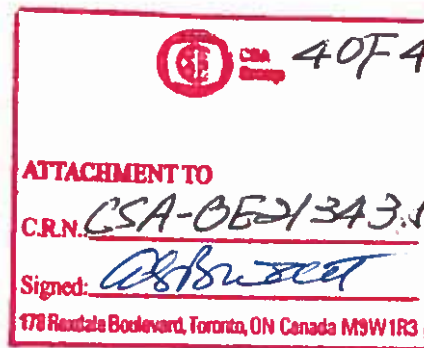
Quality System

The Swagelok Company quality system complies with the requirements of ISO 9001:2015. The Swagelok Company maintains British Standards Institution Certificate of Registration Number FM 01729, which applies to all locations listed on the Certificate.

References

The below product catalogs do not represent the full scope of registration, but rather details some of the most common options:

- F, TF, FW Series Filter Catalog MS-01-092, Rev L
- FC Series Filter Catalog MS-02-082, R6




0E21343.5

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

0E2/343.5


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ATTACHMENT TO

C.R.N. CSA-0E2/343.5

Signed: [Signature]

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3