

STATUTORY DECLARATION Registration of Fittings

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting. Swagelok

I, Joel Feldman, Vice President of Engineering of Swagelok Company located at 29500 Solon Road, Solon, Ohio 44139 USA

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- comply with the requirements of ASME B31.1 and ASME B31.3 which specifies the dimensions, materials of construction, pressure/temperature ratings and identification marking of the fittings, or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, BSI as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

Category A Type Fittings (brief description of fittings)

In support of this 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 state of Ohio this 14th day of March, 2019

(print) Brenda Hammel (a Commissioner of Oaths or Notary Public)

(sign) Brenda Hammel (a Commissioner of Oaths or Notary Public)

(signature of applicant)

For ABSA Office Use Only: "See Acceptance Letter for the comments and/or conditions of registration"

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category A

Registration Number: 0A21361.52 (signature of the Administrator/SCO)

Date Registered: AUG 13 2019 Expiry Date: MAY 01 2029



Attachment B: Scope for Swagelok QC, QF, QM and QTM Series Quick-Connects (Category A)

This document represents the scope of the QC, QF, QM, and QTM Series Quick-Connects covered by this submission for CRN approval. These products were designed and evaluated in accordance with ASME B31.1-2016 for unlisted components and ASME B31.3-2016 for unlisted components.

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Summary Table

Product Description or Series	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Rated Pressure		Design Code of Construction
				At -50 to 100°F	At maximum temperature	
QC4	Body	316 SS (ASTM A479)	Swagelok Tube Fitting 1/8", 1/4", 6MM Female NPT 1/8", 1/4" Female ISO 1/4" Male NPT 1/8", 1/4" Male ISO 1/4"	3000 psi	500 psi @ 400°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
QC6	Body	316 SS (ASTM A479)	Swagelok Tube Fitting 3/8", 10MM Female NPT 1/4", 3/8" Female ISO 3/8" Male NPT 1/4", 3/8" Male ISO 3/8"	1500 psi	400 psi @ 400°F	
QC8	Body	316 SS (ASTM A479)	Swagelok Tube Fitting 1/2", 12MM Female NPT 1/2" Female ISO 1/2" Male NPT 1/2" Male ISO 1/2"	750 psi	300 psi @ 400°F	
QC4	Body	Brass C36000 (ASTM B16)	Swagelok Tube Fitting 1/8", 1/4", 6MM Female NPT 1/8", 1/4" Female ISO 1/4" Male NPT 1/8", 1/4" Male ISO 1/4"	2000 psi	300 psi @ 250°F	
QC6	Body	Brass C36000 (ASTM B16)	Swagelok Tube Fitting 3/8", 10MM Female NPT 1/4", 3/8" Female ISO 1/4", 3/8" Male NPT 1/4", 3/8" Male ISO 1/4", 3/8"	1000 psi	300 psi @ 250°F	
QC8	Body	Brass C36000 (ASTM B16)	Swagelok Tube Fitting 1/2", 12MM Female NPT 1/2" Female ISO 1/2" Male NPT 1/2" Male NPT 1/2"	500 psi	300 psi @ 250°F	



Canadian Registration Number Submittal #QC-2019
 Category A: Swagelok Quick Connects

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Product Description or Series	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Rated Temperature		Design Code of Construction
				At -50 to 100°F	At maximum temperature	
QF4, QF8	Body	316 SS (ASTM A479)	Swagelok Tube Fitting 1/4", 3/8", 1/2", 6MM Female NPT 1/4", Female ISO Tapered 1/4" Female ISO Parallel 1/4"	6000 psi	400 psi @ 400°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
			Female NPT 3/8"	5300 psi	400 psi @ 400°F	
			Female NPT 1/2" Female ISO Tapered 1/2" Female ISO Parallel 1/2"	4900 psi	400 psi @ 400°F	
QF12, QF16	Body	316 SS (ASTM A479)	Swagelok Tube Fitting 3/4", 1" Female NPT 3/4", 1"	4000 psi	200 psi @ 400°F	
QF4	Body	Brass C36000 (ASTM B16)	Swagelok Tube Fitting 1/4"	3500 psi	300 psi @ 250°F	
			Swagelok Tube Fitting 6MM	3190 psi	300 psi @ 250°F	
			Swagelok Tube Fitting 3/8"	2200 psi	300 psi @ 250°F	
			Female NPT 1/4" Female ISO Tapered 1/4" Female ISO Parallel 1/4"	3300 psi	300 psi @ 250°F	
			Female NPT 3/8"	2400 psi	300 psi @ 250°F	
QF8	Body	Brass C36000 (ASTM B16)	Swagelok Tube Fitting 3/8"	2200 psi	300 psi @ 250°F	
			Swagelok Tube Fitting 1/2"	2100 psi	300 psi @ 250°F	
			Female NPT 3/8"	2600 psi	300 psi @ 250°F	
			Female NPT 1/2" Female ISO Tapered 1/2" Female ISO Parallel 1/2"	2400 psi	300 psi @ 250°F	
QF12, QF16	Body	Brass C36000 (ASTM B16)	Swagelok Tube Fitting 3/4"	1800 psi	200 psi @ 250°F	
			Swagelok Tube Fitting 1"	1500 psi	200 psi @ 250°F	
			Female NPT 3/4", 1"	2000 psi	200 psi @ 250°F	
QM2	Body	316 SS (ASTM A479)	Swagelok Tube Fitting 1/16", 1/8" Female NPT 1/16", 1/8" Male NPT 1/16", 1/8"	4000 psi	200 psi @ 400°F	
QM2	Body	Brass C36000 (ASTM B16)	Swagelok Tube Fitting 1/16", 1/8" Female NPT 1/16", 1/8" Male NPT 1/16", 1/8"	2000 psi	200 psi @ 250°F	

Swagelok

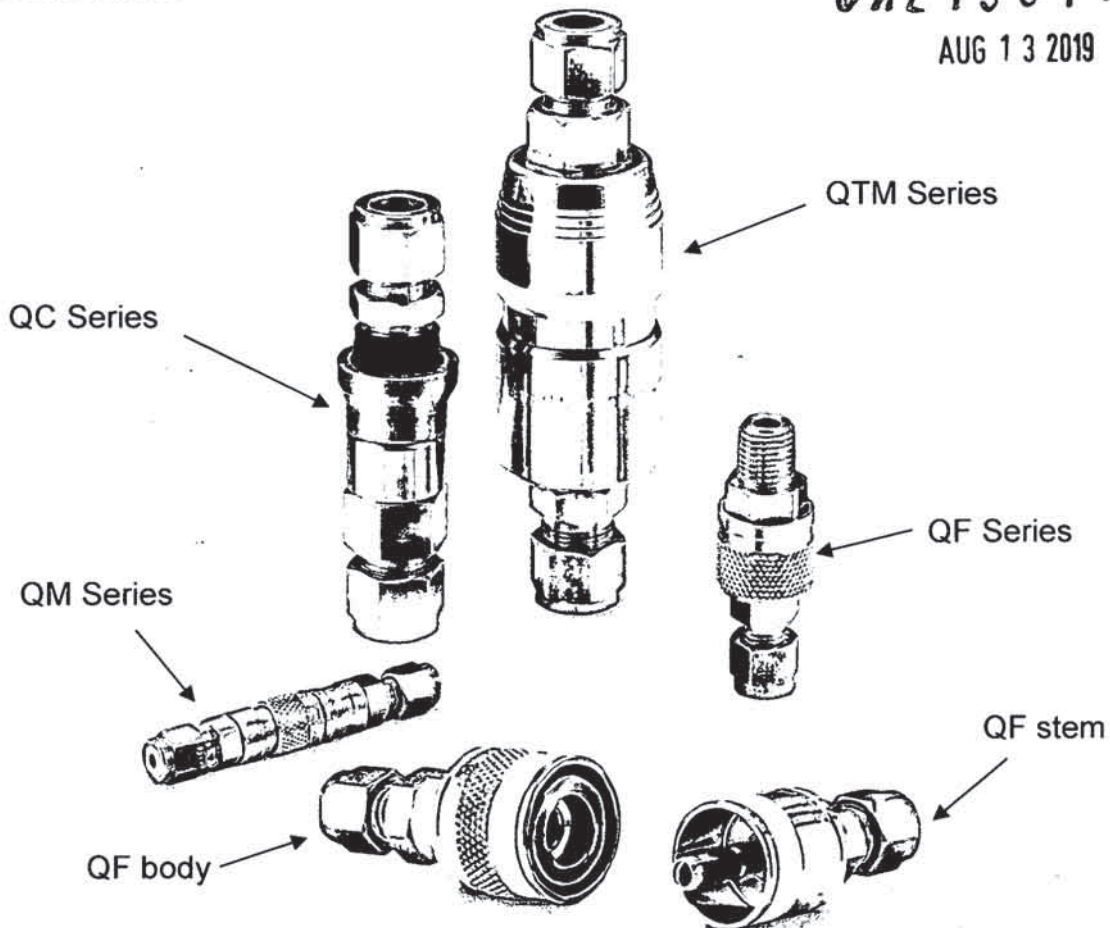
Canadian Registration Number Submittal #QC-2019
 Category A: Swagelok Quick Connects

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Product Description or Series	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Rated Temperature		Design Code of Construction
				At -50 to 100°F	At maximum temperature	
QTM2	Body	316 SS (ASTM A479)	Swagelok Tube Fitting 1/4", 3/8", 6MM, 8MM Male NPT 1/4", 3/8" Female NPT 1/8", 1/4", 3/8" Female ISO Tapered 1/4" Female ISO Parallel 1/8", 1/4"	4500 psi	4500 psi @ 120°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
QTM4, QTM8	Body	316 SS (ASTM A479)	Swagelok Tube Fitting 1/4", 3/8", 1/2", 3/4", 1", 6MM, 10MM, 12MM Male NPT 1/4", 3/8", 1/2", 3/4", 1" Female ISO Tapered 1/4", 1/2" Female ISO Parallel 1/4", 1/2" JIC 37° flare 1/4", 1/2"	3200 psi	3200 psi @ 120°F	
QTM2	Body	Alloy 400 (ASTM B164)	Swagelok Tube Fitting 1/4", 3/8", 6MM, 8MM Male NPT 1/4", 3/8" Female NPT 1/8", 1/4", 3/8" Female ISO Tapered 1/4" Female ISO Parallel 1/8", 1/4"	3200 psi	3200 psi @ 120°F	

Product Illustration

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Product Options:

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 lubricants.

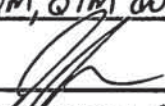
Quality System

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.

- QC, QF, QM, and QTM Series Quick-Connects Catalog MS-01-138, Rev S

ABSA	
SAFETY CODES ACT - PROVINCE OF ALBERTA	
REGISTRATION OF FITTINGS	
REGISTRATION NO.	DA21361.52
DWG. NO. or CAT. NO.	ATTACHMENT A & B, CAT. MS-01-138 REVS AS NOTED
TYPE OF FITTINGS	QC, QF, QM, QTM QUICK-CONNECTS
Date	AUG 13 2019
INITIALS	
	JASON FURLEON, P.ENG.

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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