



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

STATUTORY DECLARATION Registration of Fittings

I, James Nordholt, Vice President of Engineering
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Swagelok Company
(Name of Manufacturer)

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 are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.1 for unlisted components, and ASME B31.3 for unlisted components
(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

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, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2015 which has been verified by the following authority, BSI

The items covered by this declaration, for which I seek registration, are category C type fittings. In support of this application, the following information and/or test data are attached as follows:

ISO:2015 Certificate, Attachment A, Attachment B, Catalog Information, and other Supporting Documents
(drawings, calculations, test reports, etc.)

Declared before me at SOLON in the STATE of OHIO

the 19 day of SEPTEMBER AD 2024

Commissioner for Oaths:

JEFFREY C TRUMBULL
(Printed name)

(Signature)



JEFFREY C. TRUMBULL
 Notary Public
 State of Ohio
 Recorded in Lake County
 Certificate # 2020-RE-813693
 My Commission Expires
 April 18, 2025

(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category C

CRN: _____

Registered by: _____

Dated: _____

NOTE: This registration expires on: December 4, 2034

Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0C6054.5R14

Signed:

Date: December 4, 2024.

**Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.*



Attachment B: Scope for Swagelok 40G Series Ball Valves (Category C)

This document represents the scope of the Swagelok 40G Series (41G/42G and 43G) Ball Valves covered by this submission for CRN approval. These valves were designed and evaluated in accordance with ASME B31.1-2022 for unlisted components and ASME B31.3-2022 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 -40 to 100°F | At max temperature | |
| 41G | Body | 316 SS (ASTM A479/A276) | Tube Fitting 1/16", 1/8", 3MM | 2500 | 2500 @ 300°F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| 42G | Body | 316 SS (ASTM A479/A276) | Tube Fitting 1/4", 6MM Female NPT 1/8" VCO Fitting 1/4" Male VCR Fitting 1/4" | 2500 | 2500 @ 300°F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |
| 43G | Body | 316 SS (ASTM A479/A276) | Tube Fitting 1/4", 3/8", 1/2", 6MM, 8MM Female NPT 1/8", 1/4" Female ISO 1/4" Male NPT 1/4" Male NPT/Tube Fitting 1/4" Male VCR Fitting 1/4" | 3000 | 2500 @ 300°F | ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components) |

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Product Illustration



Product Options:

Some of the product options listed below 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 the following options are within the scope of this registration:

- Modified PTFE seat material
- UHMWPE seat material

Additional options that do not affect the scope of the pressure-temperature ratings may be made available within the scope of this registration. Examples of these would include:

- Straight or Angle-Pattern bodies
- Body Vent Ports
- Handle Locking Brackets
- Latch Lock Handles
- Stem Extensions
- Pneumatic and Electric Actuators
- SC-11 Cleaning



Quality System

The Swagelok Company quality system complies with the requirements of BS EN 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.

- Swagelok One-Piece Instrumentation Ball Valves MS-02-331, RevO

Attachment A. Swagelok Manufacturing Locations

This document lists the Swagelok locations where end item or component level manufacturing activities take place.

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Program

| | |
|--|---|
| Swagelok Company 29500 Solon Road Solon, Ohio 44139 USA | Swagelok Company (HPF) 6050 Cochran Road Solon, Ohio 44139 USA |
| Swagelok Company (OFC) 29495 F.A. Lennon Drive Solon, Ohio 44139 USA | Swagelok Company (Snow Metal) 6060 Cochran Road Solon, Ohio 44139 USA |
| Swagelok Precision Machining Services 1924 East 337th Street Eastlake, OH 44095 USA | Swagelok (China) Fluid System Technologies Ltd. Changshu Export Process Zone Changshu Economic Development Zone Changshu, Jiangshu 215513 China |
| Swagelok Company (Highland) 318 Bishop Road Highland Heights, Ohio 44143 USA | Swagelok Company (Strongsville) 15400 Foltz Road Strongsville, Ohio 44119 |
| Swagelok Company (Atlantic) 26651 Curtiss Wright Parkway Willoughby Hills, Ohio 44092 USA | Swagelok Company (Alfred) 29500 Ambina Drive Solon, Ohio 44139 |
| Swagelok Company (Micro) 26653 Curtiss Wright Parkway Willoughby Hills, Ohio 44092 USA | Swagelok Hose Services Company (SHSC) 29900 Solon Industrial Parkway Solon, Ohio 44139 |
| Swagelok Company (Falon 1) 348 Bishop Road Highland Heights, Ohio 44143 USA | Swagelok Limited Ballafletcher Road Tromode IM4 4RA Isle of Man |
| Swagelok Company (Falon 2) 358 Bishop Road Highland Heights, Ohio 44143 USA | Swagelok Company (Valley City) 5370 Wegman Drive Valley City, Ohio 44280 USA |