

ALBERTA BOILERS SAFETY ASSOCIATION
9410 20 AVENUE NW
EDMONTON AB T6N 0A4

Date: August 5, 2020
Account #: 34986
Journal #: 76220

Attn: CYNTHIA FORMANIUK

Re: Application for Design Registration

The design, as detailed in your, ABSA 2020-03316, for a Fitting is accepted for registration as follows:

Registered To: SWAGELOK COMPANY **CRN:** 0C20808.21

Drawing #: CATALOG MS-02-484

Drawing Revision: B

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.

Reviewer's Notes:

As required by CSA B51 4.2.1, this registration expires on 07-Jul-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 ABSA CRN# 0C20808.2 registration shall apply to BC registration.

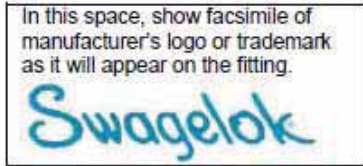
Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

Janina Mihailescu

janina.mihailescu@technicalsaftybc.ca
Design Administration

cc:

STATUTORY DECLARATION Registration of Fittings



I, Joel Feldman, Vice President, Engineering of Swagelok Company

located at 29500 Solon Road, Solon, Ohio 44139 USA (see Attachment A)

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...

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 C Type 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 in the of this day of (Month) (Year)

(print) Unable to get a notary signature or seal due to Covid-19 situation - June 29, 2020

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

(signature of applicant)

For ABSA Office Use Only:

NOTES:

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 C

Registration Number: 2020-03316 ABSA SAFETY CODES ACT - PROVINCE OF ALBERTA ACCEPTED: 0C20808.2 See acceptance letter for conditions of registration. Expiry Date: July 7, 2030

The information you provide is necessary for the registration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline.



This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

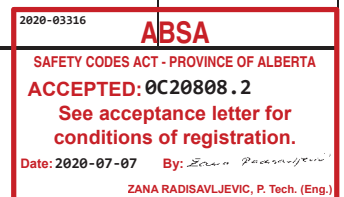


Attachment B: Scope for Swagelok GB Series, 316 Stainless Steel and Alloy 2507, General Service Ball Valves (Category C)

This document represents the scope of the GB Series General Service Ball Valves, 2- and 3-piece designs, 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.

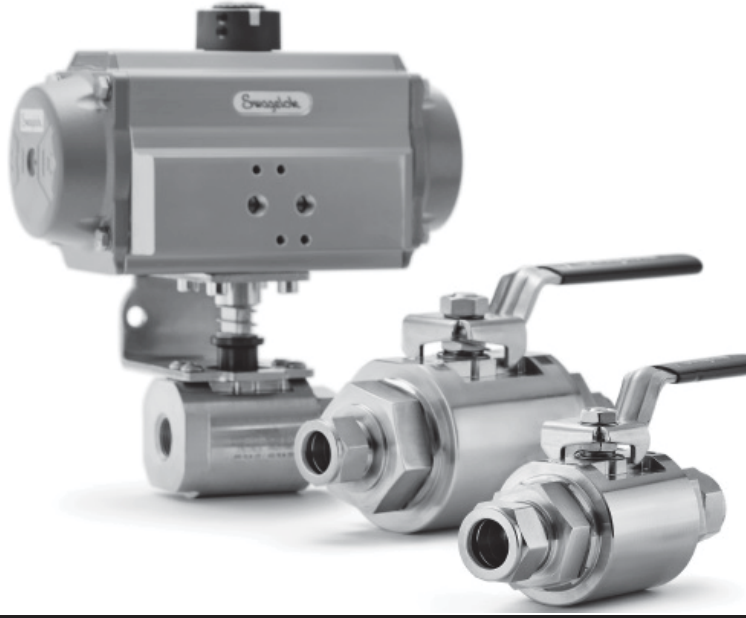
Summary Table

Product Series	Main Pressure Bearing Components	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Rated Pressure (psig)		Design Code of Construction	
				At -40°F to 100°F	At maximum temperature 250°F		
8GB	Body, End Screw(s)	316 SS (ASTM A479)	Swagelok Tube Fitting 3/8", 1/2", 12mm	6,000	4,935	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)	
			Female NPT 3/8", 1/2", 3/4"				
			Female ISO/BSP Tapered (RT) 3/8", 1/2", 3/4"				
			Swagelok Tube Fitting 3/4"				
			Swagelok Tube Fitting 16mm				
			Swagelok Tube Fitting 18mm				
	Swagelok Tube Fitting 20mm						
	Body, End Screw(s)	Alloy 2507 (ASTM A479)	Swagelok Tube Fitting 3/8", 1/2", 3/4"	6,000	5,818		
			Female NPT 3/8", 1/2", 3/4"				
			Female ISO/BSP Tapered (RT) 3/8", 1/2", 3/4"				
			Swagelok Tube Fitting 3/4"				
			Swagelok Tube Fitting 1"				
Swagelok Tube Fitting 18mm							
16GB	Body, End Screw(s)	316 SS (ASTM A479)	Swagelok Tube Fitting 3/4"	5,800	4,935		
			Swagelok Tube Fitting 1"				
			Swagelok Tube Fitting 18mm				
			Swagelok Tube Fitting 20mm				
			Swagelok Tube Fitting 22mm				
			Swagelok Tube Fitting 25mm				
	Body, End Screw(s)	Alloy 2507 (ASTM A479)	Female NPT 3/4", 1"	6,000	4,935		
			Female ISO/ BSP Tapered (RT) 3/4", 1"				
			Swagelok Tube Fitting 3/4"			6,000	5,818
			Female NPT 3/4", 1"				
			Female ISO/ BSP Tapered (RT) 3/4", 1"				
			Swagelok Tube Fitting 3/4"				



This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

Product Illustration



Configurations

Bodies are only available in a straight pattern (2 ports), as shown in the above illustration.

Product Options:

The above summary table shows the options within scope of this registration. Additional options that do not affect pressure and/or temperature ratings are also available within the scope of this approval. Examples of these include:

- Handle options
- Pneumatic actuators

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:

- GB Series General Service Ball Valves Catalog MS-02-484, Rev B
- Technical drawings available at thomas.net
https://cad.swagelok.com/?_ga=2.159136250.1391233614.1590586342-1032800005.1561382416

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

July 07, 2020

Attention: Jonathan Seewald
SWAGELOK COMPANY
29500 SOLON ROAD
SOLON, OH 44139

The design submission, tracking number 2020-03316, originally received on June 30, 2020 was surveyed and accepted for registration as follows:

CRN : 0C20808.2 **Accepted on:** July 07, 2020
Reg Type: NEW DESIGN **Expiry Date:** July 07, 2030
Drawing No. : CATALOG MS-02-484 Rev B
Fitting type: GENERAL SERVICE BALL VALVES (SERIES 8GB & 16GB)

The registration is conditional on your compliance with the following notes:

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction are ASME B31.1 and ASME B31.3.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.*
- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.*
- This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.*
- Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.*

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3369 or fax (780) 437-7787 or e-mail Radisavljevic@absa.ca.

Sincerely,



RADISAVLJEVIC, ZANA, P. Tech. (Eng.)
DOP Cert. No. D00003136