

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: <u>Swagelok Company</u>	
MANUFACTURERS ADDRESS: <u>29500 Solon Road, Solon, Ohio 44139 USA</u>	
PLANT LOCATIONS: <u>Headquarters: 29500 Solon Road, Solon, Ohio 44139 USA (See Attachment A)</u>	
CATEGORY OF FITTING TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and flexible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> . (Meeting ASND or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.1 for unlisted components, ASME B31.3 for unlisted components
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT <div style="text-align: center; font-size: 2em; font-family: cursive;">Swagelok</div>	TYPE OF CONSTRUCTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> INVOUNTS <input checked="" type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: <u>ISO 9001:2015 Certificate, Attachment A, Attachment B, Catalog Information and other Support Documents</u>	

DECLARATION:
 I Joel Feldman (see note to) employed by Swagelok Company and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by BSI as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]
 Declared before me at Solon, Ohio
 This 07th day of December AD 2018
 Commissioner of Oaths or Notary Public: (sign) [Signature]
 (Affix Official seal to the right)


THIS SPACE IS TO BE USED BY THE NOTARY PUBLIC
 Jamie L. [Signature] E THIS SPACE
 Notary Public, State of Ohio
 My Commission Expires: 03/08/2020



This space for Regulatory Authority use
 This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0C21141.5
 FID#: 1214

Notes:
 1. All fittings shall be registered in the name of the Manufacturer.
 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.


REGISTERED
 UNDER THE AUTHORITY OF
 THE BOILER AND PRESSURE
 VESSEL ACT
 C.R.N. 0C21141.5
 SIGNED [Signature]
 DATE 12/07/2018

163.04

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

Product Scope

This document represents the scope of the 40 Series Ball Valves 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.

Summary Table

Product Series and Configurations	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Allowable Working Pressure (psig)		Design Code of Construction
				@100°F	@150°F	
41 series straight, angle, 3-way	Body	Alloy 400 N04400 (ASTM B164 or ASTM B127)	Tube Fitting 1/16", 1/8", 3MM	2500 psig	2500 psig	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
		C36000 Brass (ASTM B16)				
42 series straight, angle, 3-way	Body	Alloy 400 N04400 (ASTM B164 or ASTM B127)	Tube Fitting 1/4", 6MM Female NPT 1/8"	2500 psig	2500 psig	
		C36000 Brass (ASTM B16)				
43 series Straight	Body	Alloy 400 N04400 (ASTM B164 or ASTM B127)	Tube Fitting 1/4", 6MM, 8MM Female NPT 1/4" Female ISO 1/4"	3000 psig	3000 psig	
		C36000 Brass (ASTM B16)	Tube Fitting 1/4", 6MM, 8MM Female NPT 1/4" Female ISO 1/4"	2000 psig	2000 psig	
43 series angle, 3-way, 4-way crossover, 5-way switching	Body	316SS (ASTM A479)	Tube Fitting 1/4", 6MM, 8MM Female NPT 1/4" Female ISO 1/4" Male VCR Fitting 1/4"	2500 psig	2500 psig	
		Alloy 400 N04400 (ASTM B164 or ASTM B127)	Tube Fitting 1/4", 6MM, 8MM Female NPT 1/4" Female ISO 1/4"	2500 psig	2500 psig	
		C36000 Brass (ASTM B16)	Tube Fitting 1/4", 6MM, 8MM Female NPT 1/4" Female ISO 1/4"	2000 psig	2000 psig	
43 series 6-way crossover, 7-way switching	Body	316SS (ASTM A479)	Tube Fitting 1/4", 6MM, 8MM Female NPT 1/4" Female ISO 1/4" Male VCR Fitting 1/4" (316 SS only)	500 psig	500 psig	
		Alloy 400 N04400 (ASTM B164 or ASTM B127)				
		C36000 Brass (ASTM B16)				

THIS IS PART OF
 CRN DC 21141.5
 Technical Standards & Safety Authority
 Approval of Pressure Vessels
 Safety Program

Swagelok

Canadian Registration Number Submittal #40-BALL-2018
 Category C: Swagelok 40 Series Ball Valve

Date: February 19, 2019
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Product Series and Configurations	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Allowable Working Pressure (psig)		Design Code of Construction	
				@100°F	@150°F		
44 series straight	Body	316SS (ASTM A479)	Tube Fitting 3/8", 10MM Female NPT 1/4", 3/8" Female ISO 3/8"	2500 psig	2500 psig	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)	
		Alloy 400 N04400 (ASTM B164 or ASTM B127)					
		C36000 Brass (ASTM B16)		Tube Fitting 3/8"	2200 psig		1980 psig
				Tube Fitting 10MM Female NPT 1/4", 3/8" Female ISO 3/8"	1885 psig		1508 psig
44 series angle, 3-way	Body	316SS (ASTM A479)	Tube Fitting 3/8", 10MM Female NPT 1/4", 3/8" Female ISO 3/8"	1500 psig	1500 psig		
		Alloy 400 N04400 (ASTM B164 or ASTM B127)					
		C36000 Brass (ASTM B16)					
45 series straight	Body	316SS (ASTM A479)	Tube Fitting 1/2", 3/4", 12MM Female NPT 1/2" Female ISO 1/2"	2500 psig	2500 psig		
		Alloy 400 N04400 (ASTM B164 or ASTM B127)					
		C36000 Brass (ASTM B16)	Tube Fitting 1/2"	2100 psig	1890 psig		
			Tube Fitting 3/4"	1800 psig	1620 psig		
			Tube Fitting 12MM Female NPT 1/2" Female ISO 1/2"	2030 psig	1620 psig		
45 series angle, 3-way, 4-way crossover, 5-way switching	Body	316SS (ASTM A479)	Tube Fitting 1/2", 3/4", 12MM Female NPT 1/2" Female ISO 1/2"	1500 psig	1500 psig		
		C36000 Brass (ASTM B16)					
45 series angle, 3-way	Body	Alloy 400 N04400 (ASTM B164 or ASTM B127)	Tube Fitting 1/2", 12MM Female NPT 1/2"	1500 psig	1500 psig		

IS PART OF
 0021141.5
 Standards & Safety Authority
 Pressure Vessels
 1 1/2" 1000

Product Illustration



Configurations

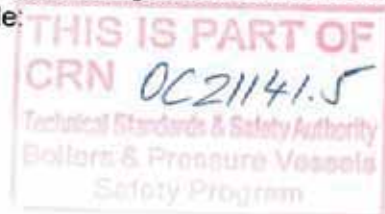
Bodies are available in several port configurations from 2 to 7 ports. Illustrations of the some of these types are shown above in the product illustration.

Product Options:

The above summary table shows the options within scope of this registration. The scope includes live loaded PFA packing 40T series and UHMWPE packing 40E series, as the valve body design remains the same for all options.

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

- Vented bodies
- 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.

- 40 Series Ball Valve Catalog MS-02-331, Rev. J

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

