

TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ON M9W 6N9

Date: June 18, 2019
Account #: 35231
Journal #: 73521

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, RN: 0C21354.5, for a Fitting is accepted for registration as follows:

Registered To: SWAGELOK COMPANY **CRN:** 0C21354.51

Drawing #: Attachment A and B

Drawing Revision: N/A

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 01-May-2029. 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 TSSA CRN# 0C21354.5 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:

Attachment B: Scope for Swagelok H83 Series Ball Valves (Category C)

This document represents the scope of the H83 Series Ball Valve covered by this submission for CRN approval. The Swagelok H83 Series Ball Valves were designed and evaluated in accordance with the requirements of MSS SP-105-2016a "Instrument Valves for Code Applications".

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
				@ 100°F	@ Max Temp	
H83	Body	316SS (ASTM A479)	Swagelok Tube Fitting 1/4", 6MM, Female NPT 1/8", 1/4"	10,000 psig	500 psig @ 450°F	MSS-SP-105
			Swagelok Tube Fitting 3/8", 8MM	7500 psig		
			Swagelok Tube Fitting 1/2"	6700 psig		
			Swagelok Tube Fitting 10MM	8400 psig		
			Swagelok Tube Fitting 12MM	6800 psig		

Product Illustration



THIS IS PART OF
 CRN *OC 21357.5*
 Technical Standards & Safety Authority
 Gullfom & Pressure Vessels
 Safety Program

Product Options:

A variety of seat seal and stem seal materials are offered within the scope of this registration. Some of these options affect product pressure and/or temperature ratings, but in all cases these rating differences are less than those shown in the above Summary Table.

Additional options and non-pressure boundary alterations that do not affect pressure-temperature ratings are also available within the scope of this registration. Examples of these would include, but not be limited to, 3-way valves, handle options, indicator switches, actuators, etc.

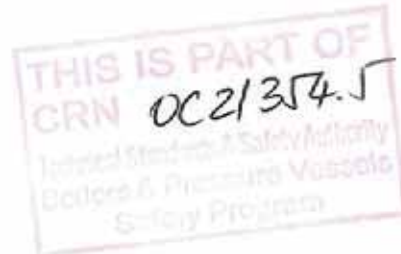
Quality System

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 product catalog does not represent the full scope of registration, but rather details some of the most common options.

- 83 and H83 Series Ball Valve Catalog MS-01-166, REV Q



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

