



July 18th, 2019

Dear Joanna Karpinski

Re: Reciprocal CRN Registration in Manitoba

Your application indicates that a CRN has been received in another Canadian Jurisdiction, and therefore your CRN has been registered in Manitoba as follows:

File Number: 40070
CRN: 0D21357.54
Scope: Hose Assemblies & Manufacturing Locations
(See Scope of Registration Attachment A & B)
Manufacturer: SWAGELOK COMPANY

Please find attached invoice for registration.

As indicated by the Regulatory Reconciliation and Cooperation Table and the Reconciliation Agreement for the Canadian Registration Number (CRN) for Pressure Equipment, a CRN issued in any Canadian Jurisdiction will be accepted for use in Manitoba.

In accordance with Steam and Pressure Plants Regulation and CSA B51, it is the manufacturer's responsibility to file a Manufacturers Data Report, including partial data reports, with our office, prior to shipping pressure equipment to Manitoba.

Please contact me directly via email at Cheryl.Lashek@gov.mb.ca for any questions or concerns.

Cheryl Lashek, P.Eng
Director, ITSM
Inspection and Technical Services
Office of the Fire Commissioner
508 - 401 York Avenue, Winnipeg Manitoba R3C 0P8
T (204) 945-3507 | F (204) 948-2309



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

Swagelok

STATUTORY DECLARATION Registration of Fittings

I, Joel Feldman, 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 (440) 248-4600 (440) 349-5970
(Plant Address) (Telephone No.) (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 the Association for Rubber Products Manufacturers (ARPM) Handbook
(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 D. Hose Assemblies type fittings. In support of this application, the following information and/or test data are attached as follows:
ISO 9001:2015 Certificate, Attachment A, Attachment B, Catalog Information and other Support Documents
(drawings, calculations, test reports, etc.)

Declared before me at Solon in the state of Ohio
 the 14th day of March AD 2019.

Commissioner for Oaths:

Brenda Hammel
(Printed name)
Brenda Hammel
(Signature)

Joel C. Feldman
(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 D

CRN: 0021357.5
 Registered by: [Signature]
 Dated: May 1, 2019
 NOTE: This registration expires on: May 1, 2023

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0021357.5

Signed: [Signature]

Date: May 1, 2019

*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request. For scope of registration see attachments A and B [Signature]



Attachment B: Scope of Registration for Swagelok PB Series Hose Assemblies (Category D)

This document represents the scope of Swagelok's PB Series Hose and assemblies covered by this submission for CRN approval. These hose assemblies have been evaluated in accordance with the Association for Rubber Products Manufacturers (ARPM) Handbook.

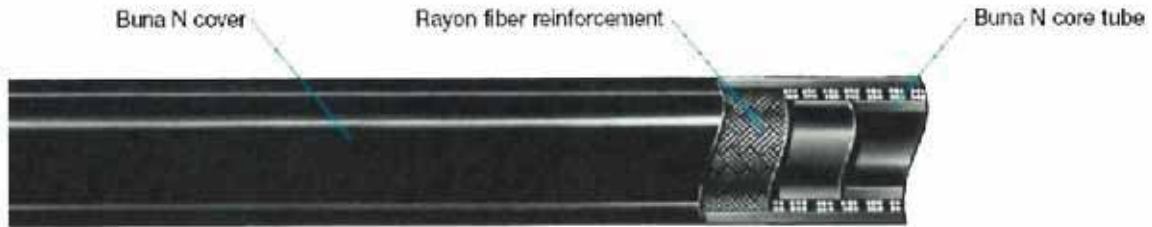
Summary Table

Product Series	Pressure Retaining Material	End Connections & Sizes	Nom. Hose Size (in)	Maximum Working Pressure (psig)			Design Code of Construction			
				Min. Temp.	@ 70°F	Max. Temp.				
PB Series Hose (Eaton)	Core: Vinyl Nitrile (ARPM Class A) Braid: 1-Braid Fiber End Connections: 316 SS (ASTM A479) or C36000 Brass (ASTM B16)	Male ISO/BSP Threads (ISO 7) 1/4"-1" [MT]	1/4"	350 @ -40°F	350	100 @ 200°F	ARPM Handbook			
			3/8"	300 @ -40°F				300	80 @ 200°F	
		Male NPT Threads 1/4"-1" [PM]	1/2"		300 @ -40°F	300				80 @ 200°F
			Tube Adapter 1/4"-1" [TA] 6-25MM [TM]							
PB Series Hose (ContiTech)	Core: Buna N Braid: Rayon Fiber End Connections: 316 SS (ASTM A479) or C36000 Brass (ASTM B16)	Tube Fitting 1/4"-1" [SL]	1"		300 @ -20°F	300				80 @ 200°F
		PB Union Adapter 1/4"-3/4"								

THIS IS PART OF
 CRN 0021357-5
 Technical Standards & Safety Authority
 Division of Pressure Vessels

Product Illustrations

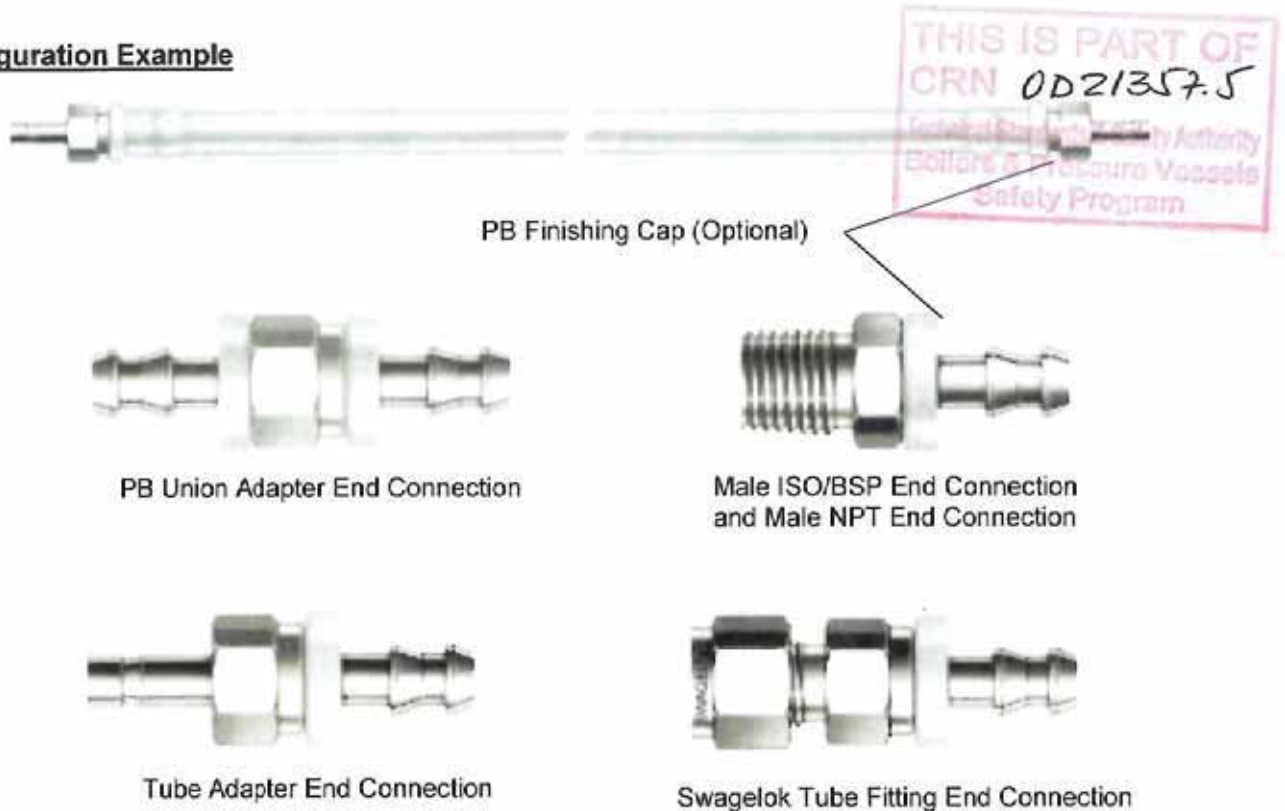
ContiTech Hose



Eaton Hose



Configuration Example



Product Options

Additional options and non-pressure boundary alterations that do not affect pressure ratings may be made available within the scope of this approval. Examples of these would include, but are not limited to:

- Hose Color Options
- Tag and Marking Options (ex. tags, lanyards, retaining clamps, etc.)
- End Connection Seals or Sealant Options (ex. pipe thread sealant)
- Special Testing Options (ex. proof pressure tests)

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 the registration but rather details some of the most common options.

- Hose and Flexible Tubing Product Catalog MS-01-180, 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

