



the pressure equipment safety authority

9410 - 20 Ave N.W.

Edmonton, Alberta, Canada T6N 0A4

Tel: (780) 437-9100 / Fax: (780) 437-7787

April 05, 2016

Attention: Tanya Francis
TECHNICAL STANDARDS & SAFETY AUTHORITY
3300 BLOOR STREET WEST
14 FLOOR CENTRE TOWER
TORONTO, ON M8X 2X4

The design submission, tracking number 2016-01536, originally received on March 09, 2016 was surveyed and accepted for registration as follows:

CRN : 0C18171.52 **Accepted on:** April 05, 2016
Reg Type: New Design **Expiry Date:** January 08, 2026
Drawing No. : ATTACHMENTS B1, B2 & B3 - SCOPE OF REGISTRATION
Fitting type: VALVES

Design registered in the name of : SWAGELOK COMPANY

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

The scope of registration includes the following:

- Attachment B1, IPT Series (CV Model) Check Valves
- Attachment B2, IPT Series (DB Model) Double Block & Bleed Valves
- Attachment B3, IPT Series (NVT Model) Needle Valves
- Attachment A, Manufacturing Locations

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 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.

Enclosed are stamped prints for your reference.

Sincerely,

ISSA, SAMIR, P. Eng.



the pressure equipment safety authority

STATUTORY DECLARATION
Registration of Fittings

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.

Swagelok

I, David H. Peace,

Vice President of Engineering

(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of Swagelok Company

(name of manufacturer)

located at Headquarters: 29500 Solon Road, Solon, Ohio 44139-3492 (See Attachment A)

(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

comply with the requirements of ASME B31.3 Chapter IX which specifies the dimensions, (title of recognized North American Standard)

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 _____ as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, British Standards Institution 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:

Attachment A, Attachment B, Support Documents, Catalog Information, ISO 9001:2008 Certificate

Items To Be Registered: Swagelok IPT Series Valves

DECLARED before me at Solon in the State of Ohio

this 14th day of January, 2016
(Month) (Year)

(print) Jamie L Ristau

Jamie L. Ristau
Resident Portage County
Notary Public, State of Ohio

(Signature of Applicant)

(sign) Jamie L Ristau
(A Commissioner for Oaths)

My Commission Expires: 03/06/2019

For Office Use Only

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 _____

Registration Number: 0C18171.52

(For the Administrator/Chief Inspector of Alberta)

Date Registered: APR 05 2016

Expiry Date: January 08, 2026

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Boiler Discipline.

* See attached Attachments B1, B2 + B3 for scope of registration

Attachment B1: Scope of CRN Registration for Swagelok IPT Series Check Valves (Category C)

This document represents the scope of the Swagelok IPT Series Check Valve covered by this submission for CRN approval. The Swagelok IPT Series Check Valves were designed and evaluated in accordance with ASME B31.3 Chapter IX, for unlisted components where applicable.

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
				At ambient temperature	At maximum temperature	
CV (soft seat)	Body	ASTM A479	Female NPT 1/4", 3/8", 1/2"	15,000 @ 100F	14,700 @ 250F	ASME B31.3 Chapter IX (For Unlisted Components Where Applicable)
CV (dual seat)	Body	ASTM A479	Female NPT 1/4", 3/8", 1/2"	15,000 @ 100F	14,700 @ 250F	
CV (ball seat)	Body	ASTM A479	Female NPT 1/4", 3/8", 1/2"	15,000 @ 100F	13,900 @ 650F	
CV (soft seat)	Body	ASTM A479	Female NPT 3/4", 1"	10,000 @ 100F	9,800 @ 250F	
CV (dual seat)	Body	ASTM A479	Female NPT 3/4", 1"	10,000 @ 100F	9,800 @ 250F	
CV (ball seat)	Body	ASTM A479	Female NPT 3/4", 1"	10,000 @ 100F	9,300 @ 650F	
CV (soft seat)	Body	ASTM A479	Cone-and-Thread (medium) 1/4", 3/8", 9/16", 3/4", 1"	20,000 @ 100F	19,600 @ 250F	
CV (dual seat)	Body	ASTM A479	Cone-and-Thread (medium) 1/4", 3/8", 9/16", 3/4", 1"	20,000 @ 100F	19,200 @ 250F	
CV (ball seat)	Body	ASTM A479	Cone-and-Thread (medium) 1/4", 3/8", 9/16", 3/4", 1"	20,000 @ 100F	18,600 @ 650F	

Product Illustration

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

REGISTRATION OF FITTINGS

REGISTRATION NO. 0C18171.52

DWG. NO. or CAT. NO. Attachments B1, B2 & B3 - Scope of Registration

TYPE OF FITTINGS Valves

APR 05 2016 INITIALS Samir

Date _____ **SAMIR ISSA, P.ENG.**
DESIGN SURVEY ENGINEER



Typical Product Characteristics

Some product options could 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. An example of this would be optional body seal materials.

Additional options that do not affect pressure-temperature ratings may be made available within the scope of this registration. An example of this would be different poppet springs.

Quality System

The Swagelok Company quality system complies with the requirements of BS EN ISO 9001:2008. In support of this, Swagelok Company maintains British Standards Institution Certificate of Registration Number FM 01729 and HSB Registration Services Certificate of Registration Number HQ-Q-4, which apply 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.

- Medium and High Pressure Valves, Fittings and Tubing Catalog MS-02-472

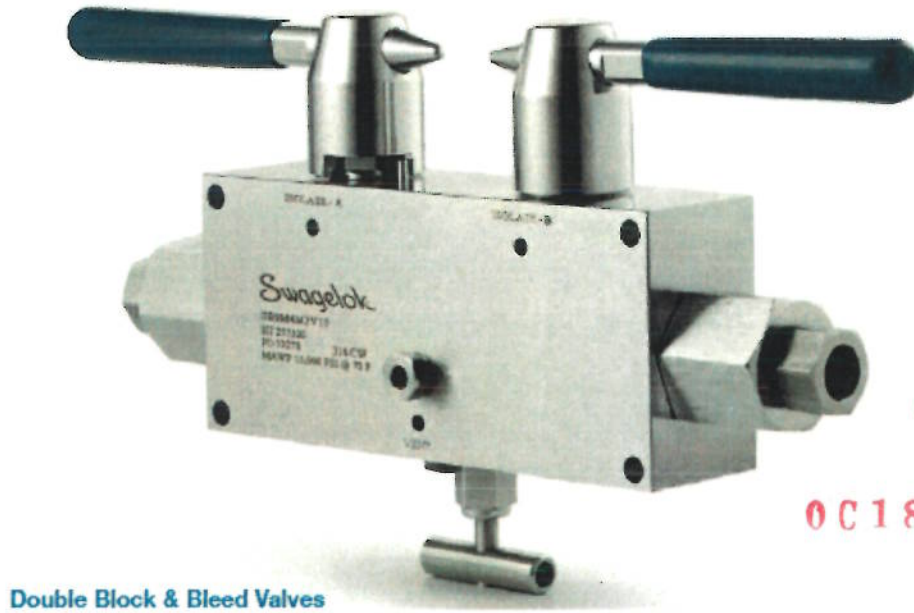
Attachment B2: Scope of CRN Registration for Swagelok IPT Series Double Block and Bleed Valves (Category C)

This document represents the scope of the Swagelok IPT Series Double Block and Bleed Valve covered by this submission for CRN approval. The Swagelok IPT Series Double Block and Bleed Valves were designed and evaluated in accordance with ASME B31.3 Chapter IX, for unlisted components where applicable.

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
				At ambient temperature	At maximum temperature	
DB (ball-needle-ball)	Body	ASTM A479	Female NPT 1/4", 3/8", 1/2"	15,000 @ 100F	14,700 @ 250F	ASME B31.3 Chapter IX (For Unlisted Components Where Applicable)
DB (needle-needle-needle)	Body	ASTM A479	Female NPT 1/4", 3/8", 1/2"	15,000 @ 100F	14,700 @ 250F	
DB (ball-needle-ball)	Body	ASTM A479	Cone-and-Thread (medium) 1/4", 3/8", 9/16"	15,000 @ 100F	14,700 @ 250F	
DB (needle-needle-needle)	Body	ASTM A479	Cone-and-Thread (medium) 1/4", 3/8", 9/16"	20,000 @ 100F	19,600 @ 250F	

Product Illustration



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Double Block & Bleed Valves

Typical Product Characteristics

Some product options could 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. An example of this would be optional body seal materials.

Additional options that do not affect pressure-temperature ratings may be made available within the scope of this registration. An example of this would be different handles.

Quality System

The Swagelok Company quality system complies with the requirements of BS EN ISO 9001:2008. In support of this, Swagelok Company maintains British Standards Institution Certificate of Registration Number FM 01729 and HSB Registration Services Certificate of Registration Number HQ-Q-4, which apply 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.

- Medium and High Pressure Valves, Fittings and Tubing Catalog MS-02-249

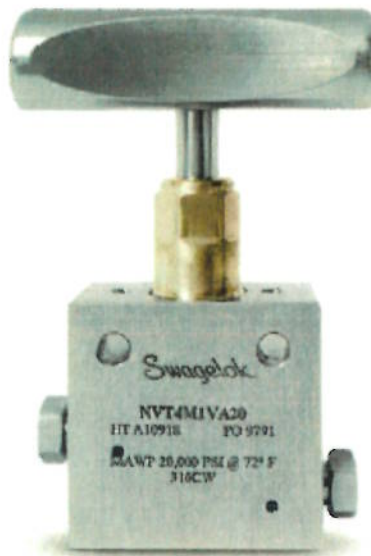
Attachment B3: Scope of CRN Registration for Swagelok IPT Series Needle Valves (Category C)

This document represents the scope of the Swagelok IPT Series Needle Valve covered by this submission for CRN approval. The Swagelok IPT Series Needle Valves were designed and evaluated in accordance with ASME B31.3 Chapter IX, for unlisted components where applicable.

Summary Table

Product Description	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Rated Pressure		Design Code of Construction
				At ambient temperature	At maximum temperature	
NVT	Body	ASTM A479	Female NPT 1/4", 3/8", 1/2"	15,000 @ 100F	14,700 @ 250F	ASME B31.3 Chapter IX (For Unlisted Components Where Applicable)
NVT	Body	ASTM A479	Female NPT 3/4", 1"	10,000 @ 100F	9,800 @ 250F	
NVT	Body	ASTM A479	Cone-and-Thread (medium) 1/4", 3/8", 9/16"	30,000 @ 100F	29,400 @ 250F	

Product Illustration



APR 05 2016

● C18171.52

Typical Product Characteristics

Some product options could 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. An example of this would be optional body seal materials.

Additional options that do not affect pressure-temperature ratings may be made available within the scope of this registration. An example of this would be different handles.

Quality System

The Swagelok Company quality system complies with the requirements of BS EN ISO 9001:2008. In support of this, Swagelok Company maintains British Standards Institution Certificate of Registration Number FM 01729 and HSB Registration Services Certificate of Registration Number HQ-Q-4, which apply 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.

- Medium and High Pressure Valves, Fittings and Tubing Catalog MS-02-249