

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

Date: June 26, 2018
Account #: 35231
Journal #: 70774

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2292900, for a Fitting is accepted for registration as follows:

Registered To: SWAGELOK COMPANY **CRN:** 0C20227.51

Drawing #: MS-01-59 Product Cat'g

Drawing Revision: R8

Conditions Of Registration:

Registration of P4T, P6T Series Plug Valves as per att'd scope sheet (2 pgs + mfg loc sheet).

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 April 10, 2028. 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.

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

SHARON PETERS

boiler.designregistration@technicalafetybc.ca
Design Administration

cc:



Attachment B. Scope of Registration for Swagelok P4T, P6T Series Plug Valves (Category C)

Product Scope

This document represents the scope of Swagelok® P4T, P6T Plug Valves covered by this submission for CRN approval. These products were designed and evaluated in accordance with ASME B31.1 for unlisted components and ASME B31.3 for unlisted components.

Summary Table

Product Series	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Allowable Working Pressure (psig)		Design Code of Construction
				@100°F	@ max. temp.	
P4T	Body	316 SS (ASTM A479)	Tube Fitting 1/8", 1/4", 3/8", 6MM Female NPT 1/8", 1/4" Male NPT 1/8", 1/4" Female ISO pipe 1/4"	3000 psig @100°F	1000 psig @400°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
		Brass C36000 (ASTM B16)	Tube Fitting 1/8", 1/4", 6MM Female NPT 1/8", 1/4" Male NPT 1/8", 1/4" Female ISO pipe 1/4"		400 psig @400°F	
			Tube Fitting 3/8"	2200 psig @100°F		
P6T	Body	316 SS (ASTM A479)	Tube Fitting 3/8", 1/2", 8MM, 10MM, 12MM Female NPT 1/4", 1/2" Male NPT 1/2" Female ISO 1/2"	3000 psig @100°F	1000 psig @400°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
		Brass C36000 (ASTM B16)	Tube Fitting 3/8", 1/2", 8MM, 10MM, 12MM Female NPT 1/4", 1/2" Male NPT 1/2" Female ISO 1/2"	2000 psig @100°F	400 psig @400°F	
			Tube Fitting 10MM	1880 psig @ 100°F		



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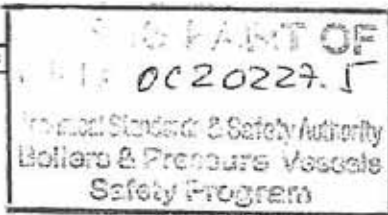
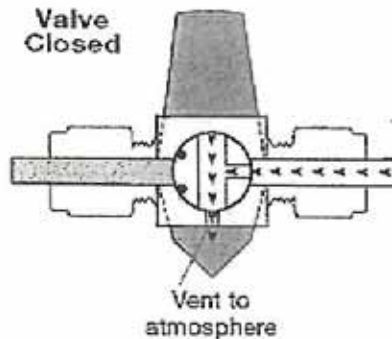
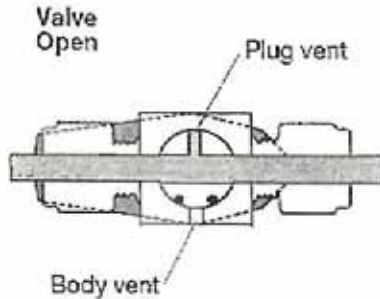
Product Illustration



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Configurations

Vented plug and valve body allow pressure release to atmosphere when the valve is closed.



Typical Product Characteristics:

Some of the product options listed below affect pressure-temperature ratings shown in the Summary Table, but in all cases the ratings are less than those shown in the Summary Table. All of the following options are within the scope of this registration:

O-Ring Material Options

- FKM with PTFE coating
- Nitrile with PTFE coating
- Ethylene Propylene with PTFE coating
- Neoprene with PTFE coating

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

Special Ordering Instructions

None

References

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

- P4T, P6T Series Plug Valve Catalog MS-01-59, R8

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 Company A.G. (European Technology Center) St. GallerstraBe 84 Lachen, Switzerland 8853 Switzerland
Swagelok Limited Tromode IM4 4RA Isle of Man	



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