



TECHNICAL STANDARDS &  
SAFETY AUTHORITY  
14th Floor, Centre Tower  
3300 Bloor Street West  
Toronto, Ontario  
Canada M8X 2X4

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, David H. Peace, 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 44139-3492 (See Attachment A) (Plant Address)      (440) 248-4600 (Telephone No.)      440-519-7384 (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 ASME B31.3 Chapter IX, for unlisted components where applicable  
(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 9001:2008 which has been verified by the following authority, The British Standards Institution

The items covered by this declaration, for which I seek registration, are category A (Swagelok IPT Series Fitting) type fittings. In support of this application, the following information and/or test data are attached as follows:

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

(drawings, calculations, test reports, etc.)

Declared before me at Solon in the State of Ohio  
the 14th day of January AD 2016.

Commissioner for Oaths: Jamie L. Ristau  
Resident Portage County  
Notary Public, State of Ohio  
My Commission Expires: 03/06/2019

Jamie L Ristau  
(Signature)

[Signature]  
(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 A

CRN: QA18289.54

Registered by: ZYAN ORLESKY

Dated: MAY 18, 2016

NOTE: This registration expires on: MARCH 1, 2016



## Attachment B: Scope of CRN Registration for Swagelok Cone and Thread IPT Fittings (Category A)

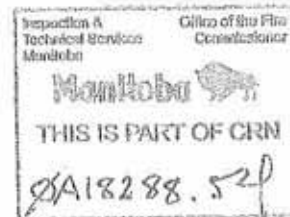
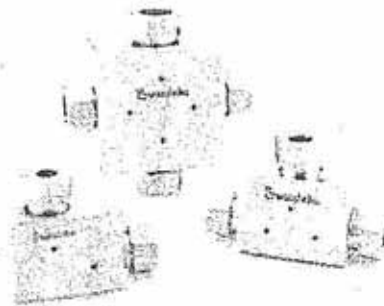
This document represents the scope of the Swagelok Cone and Thread IPT Fittings covered by this submission for CRN approval. The Swagelok Cone and Thread IPT Fittings were designed and evaluated in accordance with ASME B31.3 Chapter IX for unlisted components.

### Summary Table

Product Description	Materials	End Connections	Sizes	Maximum Rated Pressure (psi)		Design Code of Construction
				At ambient temperature	At maximum temperature (1000F)*	
Cone and Thread Fittings – IPT Series	316 SS A276 or A479	Medium-Pressure Cone and Thread	1/4"	20000	16800	ASME B31.3 Chapter IX (unlisted components)
			3/8"	20000	16800	
			9/16"	20000	16800	
			3/4"	20000	16800	
			1"	20000	16800	

\*Max temperature pressure ratings were obtained by multiplying the medium pressure working rating listed in the product catalog by the listed elevated temperature factor for Strain-Hardened 316 SS (0.84)

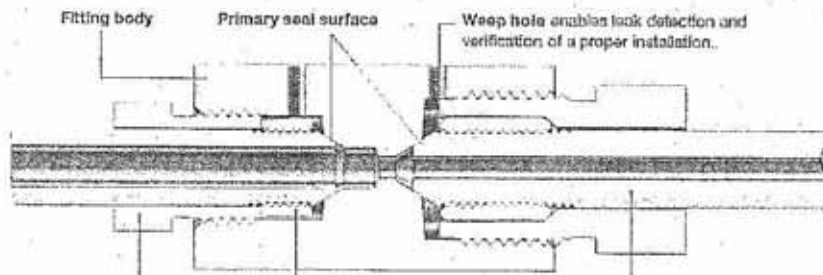
### Product Illustration



### Cone and Thread Fitting – IPT Series

Medium-pressure cone and thread end connection shown on left side of fitting

High-pressure cone and thread end connection shown on right side of fitting



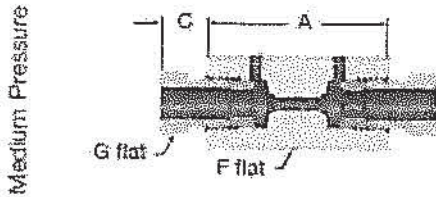
Gland creates a load on the collar to ensure a seal on the tubing and body angle area.

Collar threads onto the cone and thread tubing with left-hand threads to prevent accidental disassembly of collar during installation.

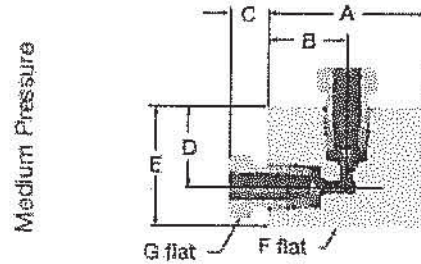
Cone and thread tubing is required for cone and thread fitting installation. High-pressure tubing has a thicker wall than medium-pressure tubing. See the Tubing/Fitting Compatibility matrix on page 58.

## Configurations

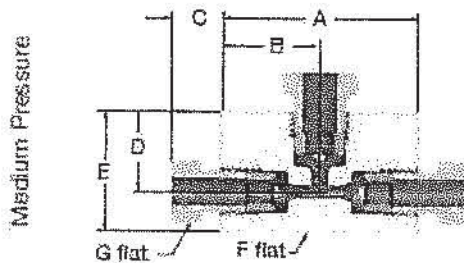
### **Couplings**



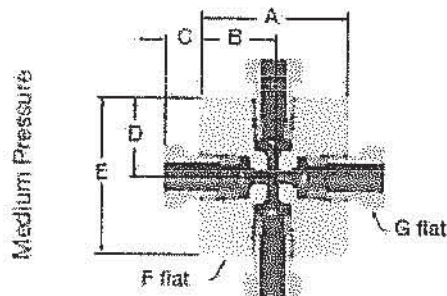
### **Elbows**



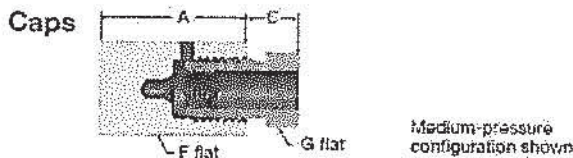
### **Tees**



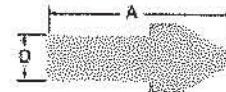
### **Crosses**



### **Caps and Plugs**



### **Plugs**



## 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 or equal to those shown in the Summary Table. An example of this would be collars, glands, or tube nipples.

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

## Quality System

The Swagelok Company quality system complies with the requirements of BS EN ISO 9001:2008. The Swagelok Company maintains British Standards Institution Certificate of Registration Number FM 01729, which applies to all locations listed on the Certificate. IPT Fittings are manufactured at a Swagelok Company location in Erie, Pennsylvania.

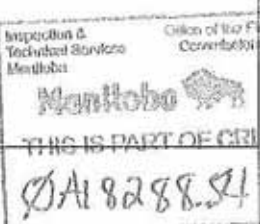
## References

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 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	 <p>Inspection &amp; Technical Services Manitoba Division of the Fire Conversion</p> <p>THIS IS PART OF CIRI</p> <p>DAI 8288.54</p>
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 Company (Strongsville) 21693 Drake Road Strongsville, Ohio 44149	Swagelok Company A.G. (European Technology Center) St. GallerstraBe 84 Lachen, Switzerland 8853 Switzerland	
Swagelok Limited Tromode IM4 4RA Isle of Man	Swagelok BV Markweg 21 2153 PG, Nieuw-Vennep Netherlands	
Swagelok (China) Fluid System Technologies Ltd. Changshu Export Process Zone Changshu Economic Development Zone Changshu, Jiangshu 215513 China	Swagelok Technology Services Company 4922 Pittsburgh Avenue Erie, Pennsylvania 16509-6207 USA	