



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 "A" 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 Fittings

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
Rotary Public, State of Ohio
(sign) Jamie L. Ristau My Commission Expires: 03/06/2019
(Signature of Applicant)

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 A

Registration Number: 0A18288.52
Date Registered: MAY 19 2016
(For the Administrator/Chief Inspector of Alberta)
Expiry Date: Mar 01 2026

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

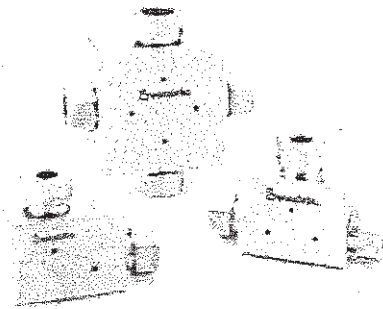
This document represents the scope of the Swagelok Cone and Thread IPT Fittings covered by this submission for CRN approval. The Swagelok Cone and Thread IPT Fittings were designed and evaluated in accordance with ASME B31.3 Chapter IX for unlisted components.

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



ASCA
SAFETY CODES ACT - PROVINCE OF ALBERTA
REGISTRATION OF FITTINGS

REGISTRATION NO. 0A18288-52

DWG. NO. or CAT NO. Attachment B

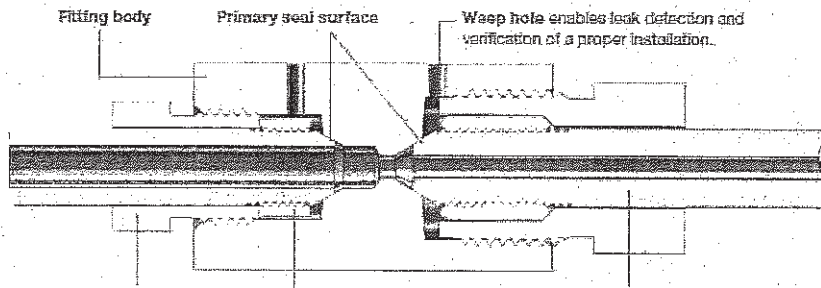
TYPE OF FITTINGS IPT Series Fittings

DATE: MAY 19 2016 INITIALS: Keith Rudolf
KEITH RUDOLF, P.ENG.
DESIGN SURVEY ENGINEER

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.

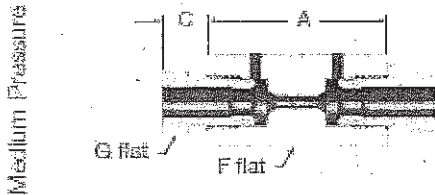
Collar threads onto the cone and fitted tubing with left-hand threads to prevent accidental disassembly of collar during installation.

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 69.

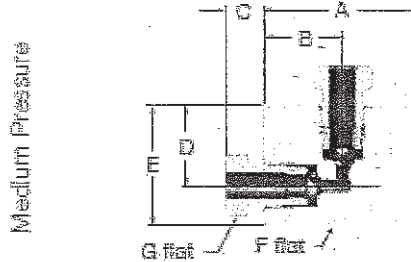
MAY 19 2016

Configurations

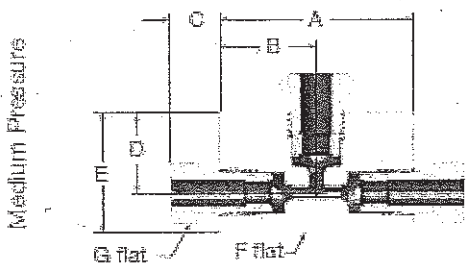
Couplings



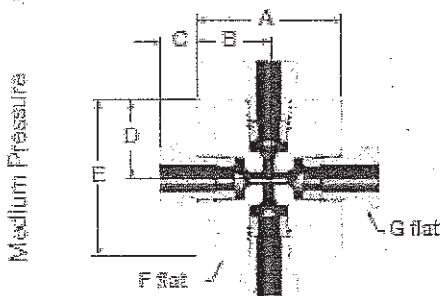
Elbows



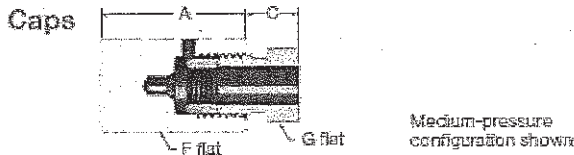
Tees



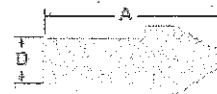
Crosses



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