



**BOILERS AND PRESSURE VESSELS
SAFETY DIVISION**
3300 Bloor Street West
4th Floor, West Tower
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 & Position, e.g. President, Plant Manager, Chief Engineer)
of Swagelok Company
(Name of Manufacturer)
Located at 29500 Solon Road, Solon, Ohio 44139-3492 (440) 248-4600 (440) 519-7384
(Plant Address) (See Attachment A) (Telephone #) (Fax #)

do solemnly declare that the fittings listed hereunder, which are subject to the Technical Standards and Safety Act, 2000, and Regulations for Boilers and Pressure Vessels comply with all of the requirements of ASME B31.1 and B31.3 (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 C type fittings. In support of this application, the following information and/or test data are attached as follows:

ISO 9001:2008 Certificate, Support Documents, Catalog Information, Attachment B.
(drawings, calculations, test reports, etc.)

Declared before me at Summit County in the State of Ohio
the 9th day of July AD 2012.

Commissioner for Oaths:
Anna B. Wilther
(Printed name)
Anna B. Wilther
(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, 2000, and Regulations for Boilers and Pressure Vessels and CSA S51 and is accepted for registration in Category C.

CRN: CSA-OC15674.57
Registered by: Bikramjit S. Sandhu
Dated: 15 Feb 2013
NOTE: This registration expires on NOV. 29, 2022
[Revised August 24, 2001]

CSA INTERNATIONAL
REGISTERED
C.R.N.: CSA-OC15674.57
Signed: Bikramjit Sandhu
Date: 15 Feb 2013
178 Rexdale Blvd., Toronto, ON M9W 1R3

*Note: See the attachment for the scope of the registration.

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 2) 348 Bishop Road Highland Heights, Ohio 44143 USA
Swagelok Company (Highland) 318 Bishop Road Highland Heights, Ohio 44143 USA	Swagelok Company (HPF) 6050 Cochran Road Solon, Ohio 44139 USA
Swagelok Company (OFC) 29495 F.A. Lennon Drive Solon, Ohio 44139 USA	Swagelok Company (Snow Metal) <i>new</i> 6060 Cochran Road Solon, Ohio 44139 USA <i>A399043</i> <i>C911995</i>
Swagelok Company (Atlantic) 26651 Curtiss Wright Parkway Willoughby Hills, Ohio 44092 USA	Swagelok Company A.G. (European Technology Center) St. GallerstraBe 84 Lachen, Switzerland 8853 Switzerland
Swagelok Company (Micro) 26653 Curtiss Wright Parkway Willoughby Hills, Ohio 44092 USA	Swagelok Company (Swagelok Limited) Tromode IM4 4RA United Kingdom
Swagelok Company (Falon 1) 348 Bishop Road Highland Heights, Ohio 44143 USA	

THIS IS PART OF
CRN OC 15674-5
Technical Standards & Safety Authority
Bollors & Pressure Vessels
Safety Program

Attachment B. Scope of Registration for Swagelok FKB Series Medium Pressure Ball Valves

This document represents the scope of Medium Pressure Ball Valves, FKB Series covered by this submission for CRN approval. These Medium Pressure Ball Valves, FKB Series have been evaluated in accordance with ASME B31.1 and B31.3 and B31.3 Chapter IX for unlisted components.

Summary Table

Product Description or Series	Material	Port Connections and Sizes	Maximum Allowable Working Pressure (psig)	Maximum Working Temperature (°F)	Design Code of Construction
6FKB (2-way and 3-way)	316 stainless S31600 / ASTM A479	¼, 3/8, and 1/2" Medium Pressure Tube Fitting ¼, 3/8, and 1/2" Female NPT	15 000	250	ASME B31.1, B31.3, (Unlisted Components)
8FKB (2-way and 3-way)	316 stainless S31600 / ASTM A479	1/2" Medium Pressure Tube Fitting 1/2" Female NPT	15 000	250	ASME B31.3, Chapter IX (Unlisted Components)
12FKB (2-way)	316 stainless S31600 / ASTM A479	1/2" Medium Pressure Tube Fitting	15 000	250	ASME B31.3, Chapter IX (Unlisted Components)

Product Illustration

design (patent-pending):

- maintains full pressure rating throughout the entire operating temperature range
- reduces seal wear that can lead to shell leakage.

Positionable handle with unique stop disk:

- provides flexibility in component layout, enabling reduced system footprint.

Trunnion-style ball with innovative direct-load design (patent-pending):

- seals consistently across a full range of pressures, even if system is depressurized and repressurized
- ensures reliable operation for improved actuation of control systems.

Bottom-loaded stem design:

- eliminates stem blowout and enhances operator safety.

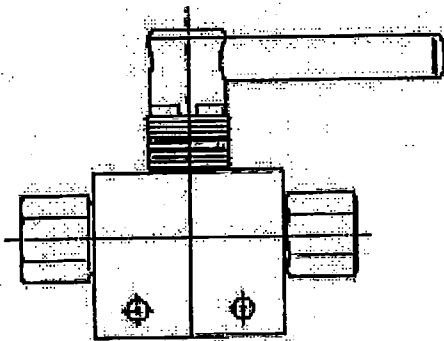
Swagelok® medium-pressure tube fitting end connections:

- reduce valve installation time and cost
- provide robust tube grip and vibration resistance.

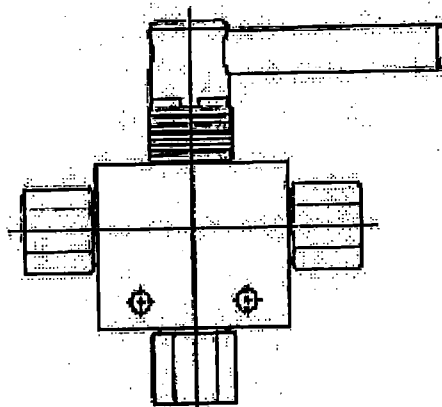
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 Pressure Vessels
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Configurations

2-Way (On-Off) Valve

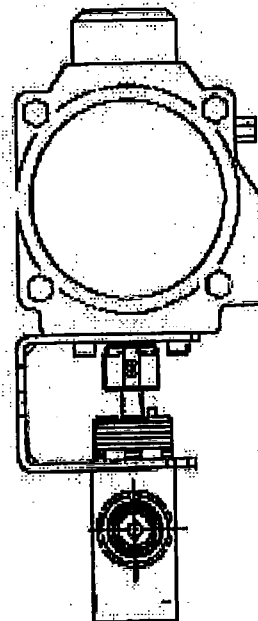
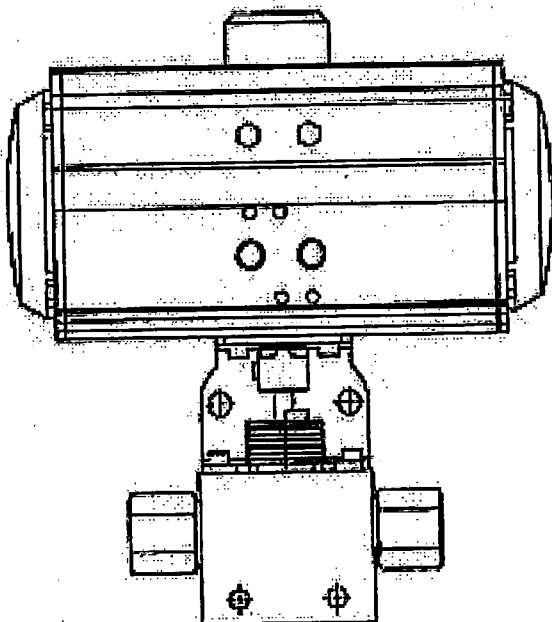


3-Way (Switching) Valve



THIS IS PART OF
CCM 0015674-5
partly

Air Actuated



Product Options:

The product options listed below affect pressure and/or temperature ratings shown in the above Summary Table, but in all cases the ratings are less than those shown in the table.

- *O-Ring Material – CR510 20°F – 185°F*

All of the above options, those that affect pressure and/or temperature ratings and those that do not, are within the scope of this approval.

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. The FKB Series Medium Pressure Ball Valves are manufactured at a Swagelok Company location in Solon, Ohio.

References

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

- Medium-Pressure Ball Valves, FKB Series Product Catalog MS-02-354-E

