

ALBERTA BOILERS SAFETY ASSOCIATION
9410 20 AVENUE NW
EDMONTON AB T6N 0A4

Date: May 13, 2018
Account #: 34986
Journal #: 70711

Attn: CYNTHIA FORMANIUK

Re: Application for Design Registration

The design, as detailed in your, ABSA Tracking No: 2017-07156, for a Fitting is accepted for registration as follows:

Registered To: SWAGELOK COMPANY

CRN: 0C18486.21

Drawing #: MS-02-340 (product cat'g)

Drawing Revision: K (as noted by ABSA)

Conditions Of Registration:

Registration of Monoflange Valve Assemblies (MN Series) per att'd scope sheet (1 pg + mfg loc sht).

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:

ABSA's conditions of registration apply. Material, configurations, classes, sizes and pressure-temperature ratings shown on attachment B. Registration includes 15 mfg locations per Attachment A. Code of construction indicated as ASME B31.3 only. As required by CSA B51 4.2.1, this registration expires on November 11, 2028. Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

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

SHARON PETERS

boiler.designregistration@technicalsaftybc.ca
Design Administration

cc:

Attachment B. Scope of Registration for Swagelok MN Series Process Monoflanges (Category C)

Product Scope

This document represents the scope of Swagelok MN Series Process Monoflanges covered by this submission for CRN approval. These products were designed and evaluated in accordance with ~~ASME B31.1~~ and ASME B31.3 as unlisted components.

Summary Table

Code of construction is B31.3 only *HR*

The below table holds true for:

- MN02 Outside Screw & Yoke Series
- MN03 Integral Screwed-Bonnet Needle Valve Series, and
- MN04 Bolted-Bonnet Needle Valve (Primary Bloc) Series

Body Material/ Specification	Configuration	ASME Class	Flange Size	Minimum Temperature	Maximum Working Pressure (psig)	
					At 70°F	At 300°F
F316/F316L ASTM A182	Block Valve	150	1/2 in. (DN 15)	-58°F	6000	4660
	Block and Bleed Valve	300/600	3/4 in. (DN 20)			
		900/1500	1 in. (DN 25)			
	Double Block and Bleed	2500	1 1/2 in. (DN 40)			

- 1) Maximum temperature: PTFE Packing 400°F, Graphite Packing 850°F,
- 2) All seat and seal combinations
- 3) All flange types: RF smooth, RF serrated, and RTJ
- 4) Outlet connection: 1/2 in. female NPT, Monoflange wafer (thru holes)
- 5) Bleed connection: 1/4 in. female NPT, 1/2 in. female NPT, or none

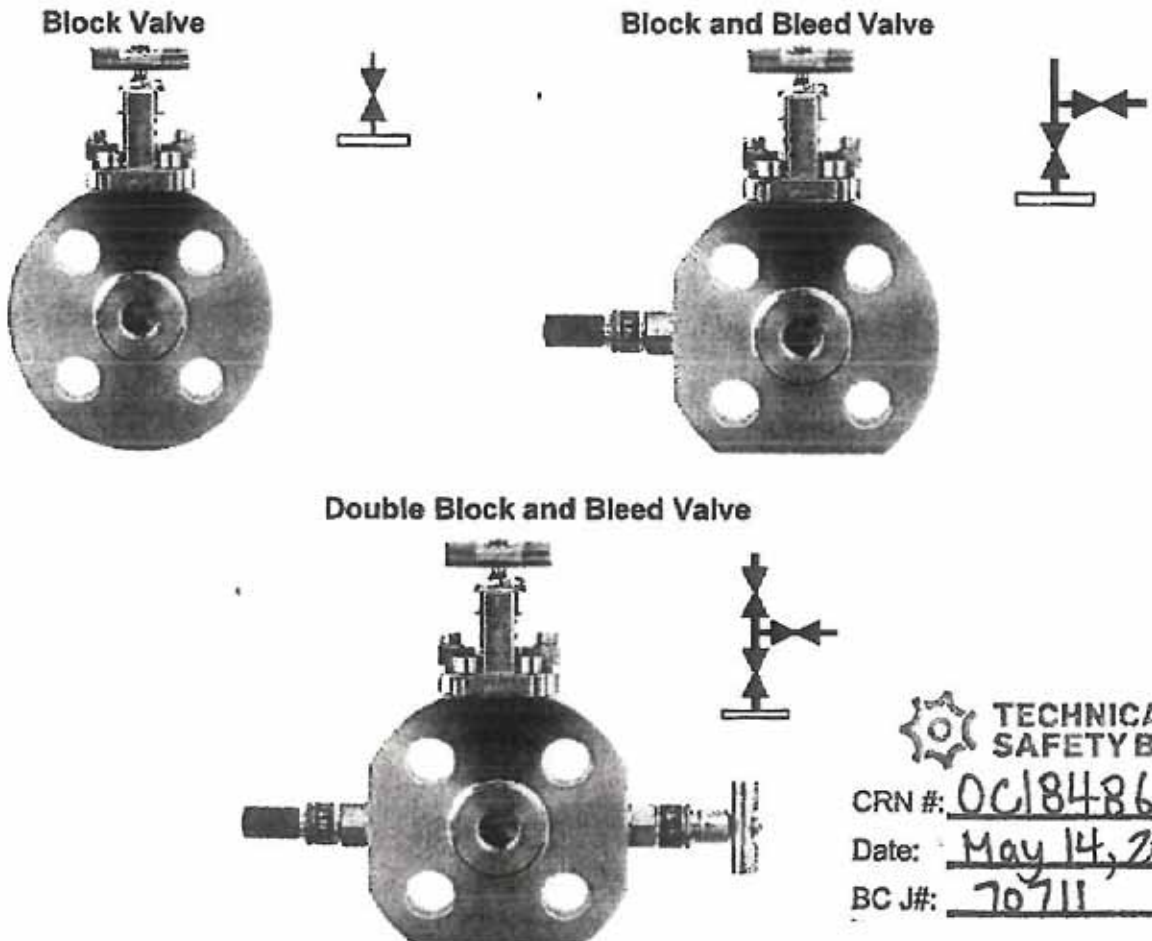
ABSA	
SAFETY CODES ACT - PROVINCE OF ALBERTA	
REGISTRATION OF FITTINGS	
REGISTRATION NO.	<u>OC18486.2</u>
DWG. NO. or CAT. NO.	<u>Attachment B</u>
TYPE OF FITTINGS	<u>Valve Assemblies</u>
Date	<u>APR 11 2018</u>
INITIALS	<u>Keith Rudolf</u>
	KEITH RUDOLF, P.Eng. DESIGN SURVEY ENGINEER



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As Noted

Product Drawings/Configurations



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Typical Product Characteristics:

The list below shows examples of product options which do not affect the pressure-temperature ratings shown in the above Summary Table. All of the following options are within the scope of this registration:

- Bar Handles (available for block valves and bleed valves)
- Handwheel Handles (for block valves)
- Antitamper bleed valve
- Sour gas service

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.

Special Ordering Instructions

None

References

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

- Swagelok Process Interface Valves MS-02-340, R10

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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