

Canadian Registration Numbers: Ashcroft Diaphragm Seals

1.0 Document Revision

REVISIONS			
Rev	Description	DATE	BY
-	INITIAL RELEASE	11/17/2020	JMP

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Ashcroft Diaphragm Seals - CRN Ontario (TSSA)



February 13, 2019

TYLER BESSETTE
ASHCROFT INC.
250 E MAIN STREET
STRATFORD CT 06614
US

Service Request Type: BPV-Fitting Registration
Service Request No.: 2505646
Your Reference No.: CSA B51 PARA. 4.2.8 (C) RENEWAL
Registered to: ASHCROFT INC.

Dear TYLER BESSETTE,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN No.: 0F12994.5R3

Main Design No.: CRN Renewal R3: Diaphragm Seals Type DFE, DF, 702, 703, 740 & 741; 510/511, 310, 315, 311/312 (see the attachment to the Statutory Declaration Form for the scope of registration.)

Expiry Date: 13-Feb-2029

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly

Mark Valcic P. Eng.
Engineer Specialist BPV
Tel.: 416-734-3494
Fax: 416-231-1626
Email: mvalcic@tssa.org



Technical Standards and Safety Authority
345 Carlingview Drive
Toronto, Ontario M9W 6N9
www.tssa.org

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



STATUTORY DECLARATION Registration of Fittings

I, Philip Reed, Quality Assurance Manager
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Ashcroft, Inc.
(Name of Manufacturer)

Located at 250 Main Street, Stratford, CT, USA
(Plant Address) (Telephone No.) (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; ASME B40.2
(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, Lloyd's Register Quality Assurance, Inc.

The items covered by this declaration, for which I seek registration, are category F type fittings. In support of this application, the following information and/or test data are attached as follows:
Catalogues: DFE; DF; Type 702, 703, & 740, 741; Type 510/511; Type 310, 315; Type 311/312
(drawings, calculations, test reports, etc.)

Declared before me at Stratford in the state of Connecticut
the 4 day of January AD 20 19.

Commissioner for Oaths:

Jeanette Bednarczyk
(Printed name)
Jeanette Bednarczyk
(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 F.

CRN: OF12994.5R3
Registered by: Mark Valcic, P.ENG
Dated: FEB 13, 2019

NOTE: This registration expires on: FEB 13, 2029

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program
REGISTERED
CRN: OF12994.5R3
Signed: [Signature]
Date: FEB 13, 2019

*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.

NOTE: SEE THE ATTACHMENT FOR THE SCOPE OF REGISTRATION. Label FEB 13/19



250 East Main Street, Stratford, CT, USA 06614. Tel 203.378.8281. Fax 203.385.0408.

MAWP-02

Ashcroft Diaphragm Seal Type	Size (in) (1)	Diaphragm Material (4)	Bottom Housing Material (4)	MAWP at ambient (psi or ASME B16.5 class #) (3)			Maximum Design Temperature T (°F)	MAWP at Maximum Design Temperature (psi or ASME B16.5 class #) (3)			Codes of Construction
				Seal A	Seal B	Seal C		Seal A	Seal B	Seal C	
100, 101, 104, 107, 105	1/4, 1/2, 3/4, 1, 1.5, 3, 4	Metallic	Metallic	1250			750	730			ASME B31.1 ASME B31.3 ASME B16.5 ASME Boiler & Pressure Vessel Code CSA C22.2 61010-1 ANNEX G
			PVC or Kynar	200			74, 125, 150	200, 125, 80 (2)			
102, 103	1/2, 3/4, 1, 1.5, 2, 3 1, 1.5, 2	Metallic	Metallic	150#			750	150#			
			Teflon	290			150	270			
200, 201, 204, 207, 205	1/4, 1/2, 3/4, 1, 1.5, 3, 4	Metallic	Metallic			1250	750		730		
						1250	400		875		
						500	350		365		
						500	212		425		
					PVC or Kynar	200	74, 125, 150		200, 125, 80 (2)		
					Nonmetallic	200	74, 125, 150		200, 125, 80 (2)		
202, 203	1/2, 3/4, 1, 1.5, 2, 3	Metallic	Metallic			150#, 300#, 600#	750		150#, 300#, 600#		
							400				
						150#	350		150#		
							212				
	1, 1.5, 2	Metallic	Teflon	Metallic			290	150		270	
							290			270	
						PVC or Kynar	200	74, 125, 150		200, 125, 80 (2)	
						Nonmetallic	75	100		75	
300, 301, 304	1/4, 1/2, 3/4, 1, 1.5	Metallic	Metallic			1250	400		875		
						500	350		365		
						500	212		425		
					PVC or Kynar	200	74, 125, 150		200, 125, 80 (2)		
302, 303	1/2, 3/4, 1, 1.5, 2, 3	Metallic	Metallic			150#	400		150#		
							350				
							212				
	1.5, 2	Nonmetallic	Teflon	Metallic			290	150		270	
						PVC or Kynar	75	100		75	
500, 501	1/4, 1/2, 3/4, 1	Metallic	Metallic			500			290		
400, 401						4400			750		2580
402, 403	1/2, 3/4, 1, 1.5, 2, 3	Metallic	Metallic			150#, 300#, 600#			150#, 300#, 600#		

Notes:

- (1) Types 104, 204, and 304 not available in 1.5". Types 107 and 207 also available in 2". (consult factory). Only Type 105, 205 available in 3" and 4"
- (2) Maximum Allowable Working Pressure (MAWP) at respective Maximum Design Temperature. (consult factory)
- (3) Seal A - Threaded capsule diaphragm; Seal B - Welded and clamped or welded only diaphragm; Seal C - Bonded/Welded and Clamped or Clamped only diaphragm
- (4) Nickel constructions excluded. Metallic materials UNS S31603 equivalent or stronger are qualified under this CRN registration. (consult factory)

THIS IS PART OF
CRN OF 2994.5R3
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program

MWA FEB 13/19



April 03, 2019

TYLER BESSETTE
ASHCROFT INC.
250 E MAIN STREET
STRATFORD CT 06614
US

Service Request Type: BPV-Fitting Registration
Service Request No.: 2547830
Your Reference No.: CSA B51 PARA. 4.2.8 (C) RENEWAL
Registered to: ASHCROFT INC.

Dear TYLER BESSETTE,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN No.: 0F12994.5ADD4

Main Design No.: ADD4: The original scope sheet dated December 4, 2014 added only (see the attachment to the Statutory Declaration Form.)

Expiry Date: 13-Feb-2029

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,



Mark Valcic P. Eng.
Engineer Specialist BPV
Tel.: 416-734-3494
Fax: 416-231-1626
Email: mvalcic@tssa.org



Technical Standards and Safety Authority
345 Carlingview Drive
Toronto, Ontario M9W 6N9
www.tssa.org

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



STATUTORY DECLARATION Registration of Fittings

I, Philip Reed, Quality Assurance Manager
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Ashcroft, Inc.
(Name of Manufacturer)

Located at 250 Main Street, Stratford, CT, USA
(Plant Address) (Telephone No.) (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
CSA B51, ASME BPV Code Section VIII Division 1, ASME B31.3, ASME B31.1, CSA C22.2 61010-1

(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, Lloyd's Register Quality Assurance, Inc.

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

PRP01-DS-001, Rev 1; MAWP-02; SR-ADS-01; PRP-ADS-01

(drawings, calculations, test reports, etc.)

Declared before me at Stratford in the state of Connecticut
the 4 day of January AD 20 19.

Commissioner for Oaths:

Jeanette Bednarz
(Printed name)

Jeanette Bednarz
(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 F.

CRN:

OF/2994.5A004

Registered by:

MARK VALGIC, P. ENG.

Dated:

APRIL 3, 2019

NOTE: This registration expires on:

FEB 13, 2029

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.:

OF/2994.5A004

Signed:

[Signature]

Date:

APRIL 3, 2019

*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.

NOTE: SEE THE ATTACHMENT FOR THE SCOPE OF REGISTRATION. Mark Valgic



250 Main Street, Stratford, CT 06614-5145, USA

Scope of Registration Summary - Diaphragm Seals

Product	Type	Process Connection Size (in) [1]	Design Pressure (psi) [2]	Design Temp. (°F) [2]	Weakest Housing & Diaphragm Material [4, 5]	Code of Construction
310	All welded	1/8, 1/4, 3/8, 1/2, 3/4, 1 male	2500	-70 to 750	316L	ASME B31.3
315		1/4, 3/8, 1/2 female				
311		1/4, 1/2, 3/4, 1 male or female	1000			
312		1/4, 1/2 female				
510		1/2 male	1500 or 5000			
511						
702	Flanged	1/2, 3/4, 1, 1 1/2, 2, 3	ASME B16.5 150# to 600#			
703						
740	Threaded	1/4, 1/2, 3/4, 1	750			
741						
DF	Welded flanged	2, 3, 4	ASME B16.5 150# to 2500#	Diaphragm & Flange: 316L UNS S31603		
DFE	Welded flanged with internal diaphragm	1, 1 1/2	ASME B16.5 150# to 300#	Hub: 316Ti UNS S31635		

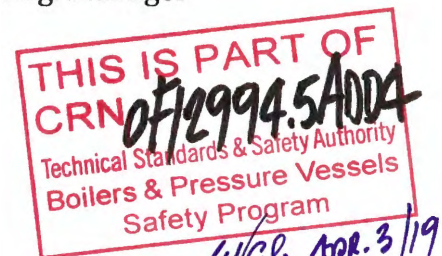
NOTES

- [1] Except for flanged models, connections are NPT type per ASME B1.20.1.
 [2] Design pressure given at 100°F, for de-ratings see B16.5. Minimum design temperature limited by fill fluid.
 [3] Models 315, 312, 511, 703, 741 supplied with flushing connection.

The undersigned hereby declares that that above is accurate and representative,

Name: Jeremy M. Payne

Title: Materials and Testing Eng. Manager

Signature:  Date: December 4th, 2014



STATUTORY DECLARATION Registration of Fittings

I, Phillip Reed Quality Assurance Manager
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Ashcroft Inc.
(Name of Manufacturer)

Located at 250 East Main Street, Stratford, CT, 06614, United States
(Plant Address) (Telephone No.) (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

(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 ASME B31.3; Sec VIII, Div.1 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 9001:2015 which has been verified by the following authority, Lloyd's Register Quality Assurance, Inc.

The items covered by this declaration, for which I seek registration, are category F type fittings. In support of this application, the following information and/or test data are attached as follows:
 Per Scope of Summary ASHCROFT-DS-REV.0

Declared before me at Stratford in the State of Connecticut
 the 10 day of July AD 20 19.

Commissioner for Oaths:

Jeanette Bednarz
(Printed name)
Jeanette Bednarz
(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 F

CRN: 0F12994.5ADDS
 Registered by: A Wu
 Dated: Jan 30, 2020

Technical Standards and Safety Authority **Boilers and Pressure Vessels Safety Program**

REGISTERED

C.R.N.: 0F12994.5ADDS

Signed: [Signature]

Date: Jan 30, 2020

NOTE: This registration expires on: Feb 13, 2029

**Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.*

PV 09553 (04/17) ADDITION OF 1" AND 1 1/2" OF PRODUCT MODEL 'DF' ONLY
 SEE SCOPE OF REGISTRATION SUMMARY ASHCROFT - DS-REV.0



250 Main Street, Stratford , CT 06614-5145, USA

Scope of Registration Summary ASHCROFT-DS-REV.0

Model	Process Connection size	Constructed Material	Design Pressure (psi)	Design Temp. (°F)	Drawings	Codes of Construction
Diaphragm Seal Type DF	1", 1 1/2"	316/316L	ASME B16.5 Cl. 150 to 2500		B0731029-02	ASME B31.3

THIS IS PART OF
CRN 0712994.5APDS
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program

Ashcroft Diaphragm Seals - CRN Alberta (ABSA)

May 22, 2019

Attention: Tyler Bessette
ASHCROFT INC
250 EAST MAIN STREET
STRATFORD, CT 06614

The design submission, tracking number 2019-03139, originally received on May 03, 2019 was surveyed and accepted for registration as follows:

CRN : 0F12994.52 **Accepted on:** May 22, 2019
Reg Type: RENEWAL **Expiry Date:** February 13, 2029
Drawing No. : SCOPE ATTACHED TO STATUTORY DECLARATION FORMS
Fitting type: DIAPHRAGM SEALS (PACKAGE DCR01-DS-001 REV. 0)
The registration is conditional on your compliance with the following notes:

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction are ASME B31.1, ASME B31.3, SECTION VIII, DIV. 1 and other engineering analysis.

- *This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.*
- *This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.*
- *Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.*

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3369 or fax (780) 437-7787 or e-mail Radisavljevic@absa.ca.

Sincerely,



RADISAVLJEVIC, ZANA, P. Tech. (Eng.)
DOP Cert. No. D00003136

STATUTORY DECLARATION Registration of Fittings



I, Philip Reed, Quality Assurance Manager (name of applicant) (position title) (must be in a position of authority)

of Ashcroft, Inc (name of manufacturer)

located at 250 Main Street, Stratford, CT, USA (plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one) CSA B51, ASME BPV Sect.VIII, Div.1 ASME B31.3, ASME B31.1, CSA C22.2

[X] comply with the requirements of 61010-1 (title of recognized North American Standard) which specifies the dimensions,

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 (title of code of construction or other applicable document) 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, LRQA Inc. Houston 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 F (brief description of fittings)

In support of this application, the following information, calculations and/or test data are attached:

PRP01-DS-001, Rev. 1; MAWP-02

DECLARED before me at Stratford in the state of Connecticut (city) (province or state)

this 4 day of January, 2019 (Month) (Year)

(print) Jeanette Bednarz (a Commissioner of Oaths or Notary Public)

(sign) Jeanette Bednarz (a Commissioner of Oaths or Notary Public)

(signature of applicant)

For ABSA Office Use Only:

See Acceptance Letter for the comments and/or conditions of registration.

NOTES:

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 F

Registration Number: 0 F 1 2 9 9 4 . 5 2

(Signature of the Administrator/SCO) JAW-R. MALISAVJEVIC

Date Registered: MAY 22 2019

Expiry Date: Feb. 13, 2029



250 East Main Street, Stratford, CT, USA 06614. Tel 203.378.8281. Fax 203.385.0408.

MAWP-02

Ashcroft Diaphragm Seal Type	Size (in) (1)	Diaphragm Material (4)	Bottom Housing Material (4)	MAWP at ambient (psi or ASME B16.5 class #) (3)			Maximum Design Temperature T (°F)	MAWP at Maximum Design Temperature (psi or ASME B16.5 class #) (3)			Codes of Construction
				Seal A	Seal B	Seal C		Seal A	Seal B	Seal C	
100, 101, 104, 107 105	1/4, 1/2, 3/4, 1, 1.5 3, 4	Metallic	Metallic	1250			750	730			ASME B31.1 ASME B31.3 ASME B16.5 ASME Boiler & Pressure Vessel Code CSA C22.2 61010-1 ANNEX G
			PVC or Kynar	200			74, 125, 150	200, 125, 80 (2)			
102, 103	1/2, 3/4, 1, 1.5, 2, 3	Metallic	Metallic	150#			750	150#			
			Teflon	290			150	270			
	PVC or Kynar		75			100	75				
200, 201, 204, 207, 205	1/4, 1/2, 3/4, 1, 1.5 3, 4	Metallic	Metallic			1250	750		730		
						1250	400		875		
						500	350		365		
			PVC or Kynar			500	212		425		
						200	74, 125, 150		200, 125, 80 (2)		
						200	74, 125, 150		200, 125, 80 (2)		
202, 203	1/2, 3/4, 1, 1.5, 2, 3	Metallic	Metallic			150#, 300#, 600#	750		150#, 300#, 600#		
							400				
						150#	350		150#		
							212				
	1, 1.5, 2		Metallic	Teflon			290	150		270	
							290			270	
					PVC or Kynar			200	74, 125, 150		200, 125, 80 (2)
								75	100		75
300, 301, 304	1/4, 1/2, 3/4, 1, 1.5	Metallic	Metallic			1250	400		875		
						500	350		365		
						500	212		425		
			PVC or Kynar			200	74, 125, 150		200, 125, 80 (2)		
302, 303	1/2, 3/4, 1, 1.5, 2, 3	Metallic	Metallic			150#	400		150#		
							350				
							212				
	1.5, 2		Teflon			290	150		270		
				PVC or Kynar			75	100		75	
500, 501 400, 401	1/4, 1/2, 3/4, 1	Metallic	Metallic				500		2580		
						4400					
402, 403	1/2, 3/4, 1, 1.5, 2, 3	Metallic	Metallic			150#, 300#, 600#	750		150#, 300#, 600#		

Notes:

- (1) Types 104, 204, and 304 not available in 1.5". Types 107 and 207 also available in 2". (consult factory). Only Type 105, 205 available in 3" and 4"
- (2) Maximum Allowable Working Pressure (MAWP) at respective Maximum Design Temperature. (consult factory)
- (3) Seal A - Threaded capsule diaphragm; Seal B - Welded and clamped or welded only diaphragm; Seal C - Bonded/Welded and Clamped or Clamped only diaphragm (consult factory)
- (4) Nickel constructions excluded. Metallic materials UNS S31603 equivalent or stronger are qualified under this CRN registration. (consult factory)

ASCA

SAFETY CODES ACT - PROVINCE OF ALBERTA

REGISTRATION OF FITTINGS

REGISTRATION NO. 0 F 1 2 9 9 4 . 5 2

DWG. NO. or CAT. NO. per scope

DATE OF REGISTRATION **MAY 22 2019**

INITIALS ZANA R.

Date _____ ZANA RADISAVLJEVIC, DESIGN SURVEYOR

See Acceptance Letter for the comments and/or conditions of registration.

STATUTORY DECLARATION Registration of Fittings



I, Philip Reed, Quality Assurance Manager of Ashcroft, Inc.

located at 250 Main Street, Stratford, CT, USA

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

[X] comply with the requirements of ASME B31.3, ASME B40.1 which specifies the dimensions, 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, LRQA Inc. Houston as being suitable for the manufacture of these fittings to the stated standard.

Category F

(brief description of fittings)

In support of this application, the following information, calculations and/or test data are attached:

Catalogues: DFE; DF; Type 702, 703, & 740, 741; Type 510/511; Type 310, 315; Type 311/312

DECLARED before me at Stratford in the state of Connecticut

this 4 day of January, 2019

(print) Jeannette Bednarz (a Commissioner of Oaths or Notary Public)

(sign) Jeannette Bednarz (a Commissioner of Oaths or Notary Public)

(signature of applicant)

For ABSA Office Use Only:

See Acceptance Letter for the comments and/or conditions of registration.

NOTES:

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 F

Registration Number: OF 12994.52

(Signature of the Administrator/SCO) J. V. R. MADISAVLJEVIC

Date Registered: MAY 22 2019

Expiry Date: Feb. 13, 2029



250 Main Street, Stratford, CT 06614-5145, USA

Scope of Registration Summary - Diaphragm Seals

Product	Type	Process Connection Size (in) [1]	Design Pressure (psi) [2]	Design Temp. (°F) [2]	Weakest Housing & Diaphragm Material [4, 5]	Code of Construction
310	All welded	1/8, 1/4, 3/8, 1/2, 3/4, 1 male	2500	-70 to 750	316L	ASME B31.3
315		1/4, 3/8, 1/2 female				
311		1/4, 3/8, 1/2 female	1000			
312		1/4, 1/2, 3/4, 1 male or female				
510		1/4, 1/2 female	1500 or 5000			
511		1/2 male				
702	Flanged	1/2, 3/4, 1, 1 1/2, 2, 3	ASME B16.5 150# to 600#			
703			ASME B16.5 150# to 600#			
740	Threaded	1/4, 1/2, 3/4, 1	750			
741						
DF	Welded flanged	2, 3, 4	ASME B16.5 150# to 2500#	Diaphragm & Flange: 316L UNS S31603		
DFE	Welded flanged with internal diaphragm	1, 1 1/2	ASME B16.5 150# to 300#		Hub: 316Ti UNS S31635	

NOTES

- [1] Except for flanged models, connections are NPT type per ASME B1.20.1
- [2] Design pressure given at 100°F, for de-ratings see B16.5 Minimum design temperature limited by fill fluid.
- [3] Models 315, 312, 511, 703, 741 supplied with flushing connection.

The undersigned hereby declares that that above is accurate and representative

Name: Jeremy M. Payne

Title: Materials and Testing Eng. Manager

Signature:

Date: December 4th, 2014

ASCA

SAFETY CODES ACT - PROVINCE OF ALBERTA

REGISTRATION OF FITTINGS

REGISTRATION NO. **0 F 1 2 9 9 4 . 5 2**

DWG. NO. or CAT. NO. per scope

FITTINGS Diaphragm seals

Date **MAY 22 2019** TIALS Jana R.

ZANA RADISAVLJEVIC,
DESIGN SURVEYOR



9410 - 20 Ave N.W.
Edmonton, Alberta, Canada T6N 0A4
Tel: (780) 437-9100 / Fax: (780) 437-7787

January 28, 2020

Attention: Phil Reed
ASHCROFT INC
250 EAST MAIN STREET
STRATFORD, CT 06614

The design submission, tracking number 2019-06848, originally received on October 07, 2019 was surveyed and accepted for registration as follows:

CRN : 0F20415.2 **Accepted on:** January 28, 2020

Reg Type: NEW DESIGN **Expiry Date:** January 28, 2030

Drawing No. : SCOPE OF REGISTRATION SUMMARY: ASHCROFT-DS-REV.1

Fitting type: DIAPHRAGM SEAL TYPE DF: SIZE 1NPS & 1.5NPS

The registration is conditional on your compliance with the following notes:

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is ASME B31.3.

- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.*
- This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.*
- Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.*

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3337 or fax (780) 437-7787 or e-mail Dick@absa.ca.

Sincerely,

A handwritten signature in black ink, appearing to read 'Dick Ashling', is written over a light blue horizontal line.

DICK, ASHLING, P. Eng.
DOP Cert. No. D00007936

STATUTORY DECLARATION
Registration of Fittings
 Single or Multiple Fitting Designs within one Fitting Category

I, Phillip Reed, Quality Assurance Manager
(name of applicant) (position title) (must be in a position of authority)
 of Ashcroft Inc.
(name of manufacturer)

located at 250 East Main Street, Stratford, CT, 06614, United States
(plant address)



do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act
 (select only one)

comply with the requirements of _____ 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 ASME B31.3;Sec VIII, Div.1 as supported by the
(title of code of construction or other applicable document)
 attached data which identifies the dimensions, materials of construction, pressure/temperature ratings
 and the basis for such ratings, and the identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been
 verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated
 standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for
 which I seek registration are as provided in the Supplementary Sheet(s) attached.

Quality Program Verification and Manufacturing Sites

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	Diaphragm Seal-DF/ 1", 1 1/2"	ISO 9001:2015	Design and Manufacture of Pressure and Temperature Calibration and Measurement Equipment. Distribution of Pressure and Temperature	31 January 2021	Lloyd's Register Quality Assurance, Inc.	250 East Main Street, Stratford, CT, 06614, United States
2.			Measurement Equipment Sourced Globally.			

In support of this application, the following information, calculations and/or test data are attached:

Per Scope of Summary ASHCROFT-DS-REV.0 *

[Signature] (Signature of the Declarer)

7-10-19 (Date)

DECLARED before me at Stratford in the State of Connecticut (city) (province, territory, or state)

this 10 day of July 2019 (Month) (Year)

(print) Jeanette Bednarz (a Commissioner of Oaths or Notary Public)

(sign) Jeanette Bednarz (a Commissioner of Oaths or Notary Public)

07/31/24 (expiry date (mm/dd/yy))



Commissioner of Oaths / Notary Public in and for: Connecticut (province, territory, or state)

For ABSA Office Use Only:

NOTES: * ASHCROFT-DS-REV.1 registered

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category 'F'

CRN: 0F20415.2

Registered Date: JAN 28 2020

Expiry Date: Jan 28 2030

Signature: [Signature] T. M. (ASHLING) DIGG (Signature of the Administrator/SCO)

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline

Table 1 Scope of Fitting Designs**

Item #	Primary Pressure Bearing / Retaining Component	Material of Construction	Port Connections and Size Range	MDMT	Rated Pressure		Pressure Class(es) / Schedule(s)	Design Code(s) of Construction	Reference Catalogue (pages) or Drawing(s)
					At Ambient Temperature	At Maximum Temperature			

Please See Table 1-A (Alternative of Table 1)

Table 2 Additional Scope Information

List/Attach Additional Detail and References (Product Configurations, Options, Illustrations, etc.)
Example: Series X Options

** For additional alternatives of Table 1, refer to Form AB-41a, Guide for Completing Form AB-41

Table 1-A: Scope of Registration Summary ASHCROFT-DS-REV.1

Model	Process Connection size	Diaphragm Material	Flange Material	Design Pressure (psi)	Design Temp. (°F)	Drawings	Codes of Construction
Diaphragm Seal Type DF	1", 1 1/2"	316 SS, Monel 400, Tantalum, Hastelloy C-276	316L	ASME B16.5 Cl. 150 to 2500		B073I029-02	ASME B31.3

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA
REGISTRATION OF FITTINGS

REGISTRATION NO. OF 20415.2

DWG. NO. or CAT. NO. Scope Summary: ASHCROFT-DS-REV.1

TYPE OF FITTINGS Diaphragm Seal Type DF: Size 1NPS & 1.5NPS

JAN 28 2020 INITIALS TMD

Date _____ T. M. (ASHLING) DICK, P.ENG
DESIGN SURVEY ENGINEER

Ashcroft Diaphragm Seals - CRN Quebec (RBQ)

Montréal, 22 Mai 2019

MR. TYLER BESSETTE
ASHCROFT INC.
250 East Main Street
Standford CONNECTICUT
USA 06614

Manufacturer : ASHCROFT INC.
250 East Main Street
Standford CONNECTICUT
USA 06614

Our reference : 952642
Design number : See SOR-Diaphragm Seals and SOR-MAWP-02

Subject: Registration of designs – Confirmation of approval

Dear Sir, Dear Madam:

The Régie du bâtiment du Québec (RBQ) informs you that your application for the registration of designs has been evaluated and that the design was registered under the Canadian Registration Number (CRN\NEC) : **0F12994.56**.

We bring your attention this requirement of the regulation respecting pressure vessels, and the codes and standards adopted :

- The manufacturer must maintain a valid quality control program to produce according to the CRN.

This notice of approval does not relieve the constructor of his responsibilities with respect to the design or construction of equipment manufactured according to this CRN.

Yours sincerely,

Bureau d'expertise et d'homologation en équipements sous pression

Montréal, 22 Mai 2019

MR. TYLER BESSETTE
ASHCROFT INC.
250 East Main Street
Standford CONNECTICUT
USA 06614

Fabricant : ASHCROFT INC.
250 East Main Street
Standford CONNECTICUT
USA 06614

Numéro de dossier : 952642

Numéro de dessin : See SOR-Diaphragm Seals and SOR-MAWP-02

Objet : Enregistrement des plans et devis – Confirmation de l'enregistrement

Monsieur,

La Régie du bâtiment du Québec (RBQ) vous informe que votre demande d'enregistrements de plans et devis a été traitée et que cette conception a été enregistrée sous le numéro d'enregistrement canadien (NEC\CRN) : **0F12994.56**.

Nous portons à votre attention cette exigence applicable à la réglementation sur les appareils sous pression et des codes et normes qui y sont associés :

- Le constructeur doit maintenir un système de contrôle de la qualité valide pour fabriquer selon ce NEC.

Le présent avis d'approbation ne dégage pas le constructeur de ses responsabilités quant à la conception ou à la construction des équipements fabriqués selon ce NEC.

Salutations distinguées,

Bureau d'expertise et d'homologation en équipements sous pression

N.B. Translation of this communication below.



Statutory Declaration Registration of Fittings

(a) Design Qualification

I¹ Phillip Reed
(Name of applicant)

Quality Assurance Manager
(Position eg, president, plant manager, chief eng.)

of Ashcroft, Inc.
(name of company)

Located at 250 Main Street, Stratford, CT, USA
(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required: CSA B51, ASME BPV Code Section VIII Division 1, ASME B31.3, ASME B31.1, CSA C22.2 61010-1

Or

are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with _____ code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

(b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ISO9001:2015, and has been verified by the following authority or authorized agency Lloyd's Register Quality Assurance, Inc.

The fittings² covered by this declaration, for which I seek registration, are Category F

In support of the application, the following information, calculations and/or test data are attached:
PRP01-DS-001, Rev 1; MAWP-02

Declared before me at Stratford

In the of state of Connecticut

The 4 day of January AD 2019

Jeannette Pednarz
A (commissioner for oaths)

[Signature]
Signature of Declarer³

For Official Use Only

The application is accepted for registration in Category _____ in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance.

Registered Number CRN OF 12994.56

For the Chief Inspector _____
Date MAY 21 2019

¹ Three completed copied of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.
² All fittings are required to be registered in the name of the Manufacturer.
³ This form shall be completed and signed by the president of highest official in the manufacturing plan where the fitting is produced.



Statutory Declaration Registration of Fittings

(a) Design Qualification

I¹ Philip Reed
(Name of applicant)
Quality Assurance Manager
(Position eg, president, plant manager, chief eng.)

of Ashcroft, Inc.
(name of company)

Located at 250 Main Street, Stratford, CT, USA
(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

- comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required: ASME B31.3, ASME B40.2
- Or
- are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with _____ code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

(b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ISO9001:2015, and has been verified by the following authority or authorized agency Lloyd's Register Quality Assurance, Inc.

The fittings² covered by this declaration, for which I seek registration, are Category F

In support of the application, the following information, calculations and/or test data are attached:
Catalogues: DFE; DF; Type702, 703, & 740, 741; Type 510/511; Type 310, 315; Type 311/312

Declared before me at Stratford

In the of state of Connecticut

The 4 day of January AD 2019

Jeanette Bednarz
A (commissioner for oaths)

[Signature]
Signature of Declarer³

For Official Use Only

The application is accepted for registration in Category _____ in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance.

Registered Number CRN **OF 12994.56**

For the Chief Inspector _____
Date MAY 21 2019

¹ Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.

² All fittings are required to be registered in the name of the Manufacturer.

³ This form shall be completed and signed by the president of highest official in the manufacturing plant where the fitting is produced.



250 Main Street, Stratford, CT 06614-5145, USA

Scope of Registration Summary – Diaphragm Seals

Product	Type	Process Connection Size (in) [1]	Design Pressure (psi) [2]	Design Temp. (°F) [2]	Weakest Housing & Diaphragm Material [4, 5]	Code of Construction						
310	All welded	1/8, 1/4, 3/8, 1/2, 3/4, 1 male	2500	-70 to 750	316L UNS S31603	ASME B31.3						
315		1/4, 3/8, 1/2 female										
311		1/4, 3/8, 1/2 female	1000									
312		1/4, 1/2, 3/4, 1 male or female										
510		1/4, 1/2 female	1500 or 5000									
511		1/2 male										
702	Flanged	1/2, 3/4, 1, 1 1/2, 2, 3	ASME B16.5 150# to 600#	OF 12994.56	316L UNS S31603	ASME B31.3						
703			ASME B16.5 150# to 600#									
740	Threaded	1/4, 1/2, 3/4, 1	750				OF 12994.56	316L UNS S31603	ASME B31.3			
741										750		
DF	Welded flanged	2, 3, 4	ASME B16.5 150# to 2500#							OF 12994.56	Diaphragm & Flange: 316L UNS S31603	
DFE	Welded flanged with internal diaphragm	1, 1 1/2	ASME B16.5 150# to 300#									

NOTES

- [1] Except for flanged models, connections are NPT type per ASME B1.20.1.
 [2] Design pressure given at 100°F, for de-ratings see B16.5. Minimum design temperature limited by fill fluid.
 [3] Models 315, 312, 511, 703, 741 supplied with flushing connection.

The undersigned hereby declares that that above is accurate and representative,

Name: Jeremy M. Payne

Title: Materials and Testing Eng. Manager

Signature: Date: December 4th, 2014



250 East Main Street, Stratford, CT, USA 06614. Tel 203.378.8281. Fax 203.385.0408.

MAWP-02

Ashcroft Diaphragm Seal Type	Size (in) (1)	Diaphragm Material (4)	Bottom Housing Material (4)	MAWP at ambient (psi or ASME B16.5 class #) (3)			Maximum Design Temperature T (°F)	MAWP at Maximum Design Temperature (psi or ASME B16.5 class #) (3)			Codes of Construction
				Seal A	Seal B	Seal C		Seal A	Seal B	Seal C	
100, 101, 104, 107 105	1/4, 1/2, 3/4, 1, 1.5 3, 4	Metallic	Metallic	1250			750	730			ASME B31.1 ASME B31.3 ASME B16.5 ASME Boiler & Pressure Vessel Code CSA C22.2 61010-1 ANNEX G
			PVC or Kynar	200			74, 125, 150	200, 125, 80 (2)			
Metallic	Metallic		150#			750	150#				
	Teflon		290			150	270				
102, 103	1/2, 3/4, 1, 1.5, 2, 3	Metallic	PVC or Kynar	75			100	75			
	1, 1.5, 2										
200, 201, 204, 207, 205	1/4, 1/2, 3/4, 1, 1.5 3, 4	Metallic	Metallic		1250		750		730		
		Teflon			1250		400		875		
		Viton			500		350		365		
		Kalrez			500		212		425		
		Metallic	PVC or Kynar		200		74, 125, 150		200, 125, 80 (2)		
		Nonmetallic			200		74, 125, 150		200, 125, 80 (2)		
202, 203	1/2, 3/4, 1, 1.5, 2, 3	Metallic	Metallic		150#, 300#, 600#		750		150#, 300#, 600#		
		Teflon				400					
		Viton			150#		350		150#		
		Kalrez				212					
	1, 1.5, 2	Metallic	Teflon		290		150		270		
		Nonmetallic			290		150		270		
		Metallic	PVC or Kynar		200		74, 125, 150		200, 125, 80 (2)		
		Nonmetallic			75		100		75		
300, 301, 304	1/4, 1/2, 3/4, 1, 1.5	Teflon	Metallic		1250		400		875		
		Viton			500		350		365		
		Kalrez			500		212		425		
		Nonmetallic		PVC or Kynar		200		74, 125, 150		200, 125, 80 (2)	
302, 303	1/2, 3/4, 1, 1.5, 2, 3	Teflon	Metallic		150#		400		150#		
		Viton				350					
		Kalrez				212					
	1.5, 2	Nonmetallic	Teflon		290		150		270		
		Nonmetallic	PVC or Kynar		75		100		75		
500, 501	1/4, 1/2, 3/4, 1	Metallic	Metallic		500			290			
400, 401				4400		750		2580			
402, 403	1/2, 3/4, 1, 1.5, 2, 3				150#, 300#, 600#				150#, 300#, 600#		

Notes:

- (1) Types 104, 204, and 304 not available in 1.5". Types 107 and 207 also available in 2". (consult factory). Only Type 105, 205 available in 3" and 4"
- (2) Maximum Allowable Working Pressure (MAWP) at respective Maximum Design Temperature. (consult factory)
- (3) Seal A - Threaded capsule diaphragm; Seal B - Welded and clamped or welded only diaphragm; Seal C - Bonded/Welded and Clamped or Clamped only diaphragm (consult factory)
- (4) Nickel constructions excluded. Metallic materials UNS S31603 equivalent or stronger are qualified under this CRN registration. (consult factory)

QUÉBEC
ENREGISTRÉ

NEC (CRN) : OF 12994.56
DATE : MAY 21 2019

OF 12994.56

Statutory Declaration Registration of Fittings

Building Act (B-1.1)
Regulation respecting pressure vessels (B-1.1, r. 6.1)
Boiler, pressure vessel, and pressure piping code (CSA B51)

This declaration must be filled out and sent to the Régie du bâtiment du Québec (RBQ) by pressure fitting manufacturers when they make an application registration for fittings.

For more information on the application registration for fittings, consult the www.rbq.gouv.qc.ca/fittings-pv.

1. Fittings to register

List the fittings included in this declaration and that you wish to register.

N°	Description	Additional information (detail, calculations or approval sheets)
1	Per Scope of Summary ASHCROFT-DS-REV.0	
2		
3		
4		
5		

2. Declaration of the person in charge

The person in charge is someone in a position of authority, such as a vice-president, a plant manager or a chief engineer.

2.1 Design

I, the undersigned, Phillip Reed Quality Assurance Manager,
(Name of the person in charge) (Title of the person in charge)

from Ashcroft Inc., located at 250 Main Street, Stratford, CT 06614-5145, USA
(Company's name) (Plant's address)

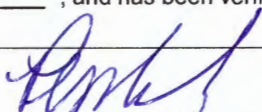
hereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:

comply with the requirements of the ANSI/ASME codes as to their dimensions, identification, material and purpose
or
 are not covered by the ANSI/ASME codes, but are in compliance with ASME B31.3;Sec VIII, Div.1
(Name of code or standard)

code or standard and are designed according to the best current engineering practice, as proven by the enclosed approval report.

2.2 Manufacturing quality control

I further declare that the manufacture of these fittings is controlled by a quality control program that complies with the requirements of the following code: ISO 9001:2015, and has been verified by Lloyd's Register Quality Assurance, Inc.
(Name of code) (Authorized agency)

Signature of the person in charge:  Date (yyyy-mm-dd): 2019-07-19

3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at Stratford, Connecticut, on 2019-07-10.
 (Location) (Date (yyyy-mm-dd)):

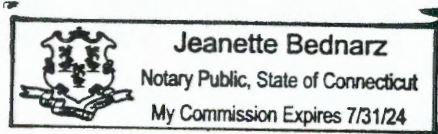
Signature of commissioner for oaths:

Jeanette Bednarz

Date (yyyy-mm-dd):

2019-07-10

Stamp the seal:

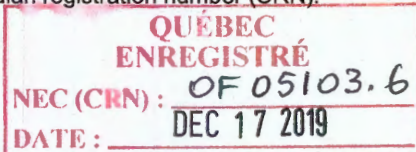


4. Registration confirmation (for RBQ's use only)

As far as I know, this application complies with the requirements of the Act and with standard CSA B51, Part 1, section 4.2, and is accepted for registration in the class _____.

This registration expires in ten (10) years after the date of registration indicated above, and it must be validated again after this period.

Canadian registration number (CRN):



Registration date (yyyy-mm-dd):

DEC 17 2019

SEE ATTACHMENT FOR SCOPE OF REGISTRATION
ASHCROFT-DS-REV. 1

Documents to attach

Any application registration for fittings must include these documents:

- Statutory Declaration Registration of Fittings (2 copies)
- Detailed calculations or burst test report (1 copy)
- Detailed technical drawings or catalogues (2 copies)
- Example of the manufacturer's marking (1 copy)
- Proof that a valid and approved quality control program has been implemented (1 copy)
- Form Application for design registration (1 copy)

Sending the form

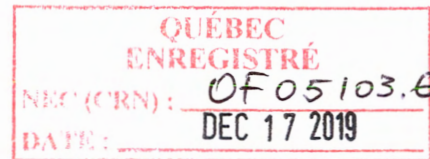
This declaration is mandatory in order to submit an application registration of fittings.

Application registration for fittings must only be sent by mail to this address:

Bureau d'expertise et d'homologation en équipements sous pression
 Régie du bâtiment du Québec
 545, boulevard Crémazie Est, 7^e étage
 Montréal (Québec) H2M 2V2

Scope of Registration Summary ASHCROFT-DS-REV.1

Model	Process Connection size	Diaphragm Material	Flange Material	Design Pressure (psi)	Design Temp. (°F)	Drawings	Codes of Construction
Diaphragm Seal Type DF	1", 1 1/2"	316 SS, Monel 400, Tantalum, Hastelloy C-276	316L	ASME B16.5 Cl. 150 to 2500		B073I029-02	ASME B31.3



Ashcroft Diaphragm Seals – CRN Manitoba





74-1108

July 16, 2019

ASHCROFT INC.
250 EAST MAIN ST.
STRATFORD, CT
06614

FILE COPY

Attn: Tyler Bessette

Re: Reciprocal CRN Registration in Manitoba

Your application indicates that a CRN has been received in another Canadian Jurisdiction, and therefore your CRN has been registered in Manitoba as follows:

File Number: 39982

CRN: 0F12994.54

Scope: See Stamped "This is Part of CRN" for Scope Dated December 4, 2014.

Manufacturer: ASHCROFT INC.

Please find attached invoice for registration.

As indicated by the Regulatory Reconciliation and Cooperation Table and the Reconciliation Agreement for the Canadian Registration Number (CRN) for Pressure Equipment, a CRN issued in any Canadian Jurisdiction will be accepted for use in Manitoba.

In accordance with Steam and Pressure Plants Regulation and CSA B51, it is the manufacturer's responsibility to file a Manufacturers Data Report, including partial data reports, with our office, prior to shipping pressure equipment to Manitoba.

Please contact me directly via email at Cheryl.Lashek@gov.mb.ca for any questions or concerns.

Cheryl Lashek, P.Eng
Director, ITSM
Inspection and Technical Services
Office of the Fire Commissioner
508 - 401 York Avenue, Winnipeg Manitoba R3C 0P8
T (204) 945-3507 | F (204) 948-2309



7/3/2020

Ashcroft Inc.
250 East Main Street
Stratford, CT 06614
USA

Dear Jeremy Payne

Re: Reciprocal CRN Registration in Manitoba

Your application indicates that a CRN has been received in another Canadian Jurisdiction, and therefore your CRN has been registered in Manitoba as follows:

File Number: 74-R596
CRN: 0F12994.54
Scope: SOR : ASHCROFT-DS-REV.1
Manufacturer: Ashcroft Inc.
Expiry Date: 13/Feb/29

Please find attached invoice for registration.

As indicated by the Regulatory Reconciliation and Cooperation Table and the Reconciliation Agreement for the Canadian Registration Number (CRN) for Pressure Equipment, a CRN issued in any Canadian Jurisdiction will be accepted for use in Manitoba.

In accordance with Steam and Pressure Plants Regulation and CSA B51, it is the manufacturer's responsibility to file a Manufacturers Data Report, including partial data reports, with our office, prior to shipping pressure equipment to Manitoba.

Please contact me directly via email at Cheryl.Lashek@gov.mb.ca for any questions or concerns.

Cheryl Lashek, P.Eng
Director, ITSM
Inspection and Technical Services
Office of the Fire Commissioner
508 - 401 York Avenue, Winnipeg Manitoba R3C 0P8
T (204) 945-3507 | F (204) 948-2309

Ashcroft Diaphragm Seals - CRN

Saskatchewan





2202 2nd Avenue
Regina, SK S4R 1K3 Canada
1 (866) 530-8599
info@tsask.ca
www.tsask.ca

REGISTRATION OF A PRESSURE FITTING DESIGN

11-Jun-19

Ashcroft Inc.
250 East Main Street
Standford, CT, USA
06614

Attention: Tyler Bessette

File Number: 11139 [0 F]

Re: **Manufacturer:** Ashcroft Inc.
Item: Diaphragm Seal
Catalog or Drawing: SOR-Diaphragm Seals and SOR-MAWP-02

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

OF12994.53 **Expiry Date: February 13, 2029**

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,

A handwritten signature in blue ink, appearing to read "Liting Huang".

Liting (Frank) Huang, Engineer-in-Training
Codes and Standards Compliance

Remarks:

CRN registered under reciprocal agreement.



330 – 1855 Victoria Avenue
 Regina, SK S4P 3T2
 PH: (306)798-7112 Toll Free: (866)530-8599
 FAX: (306)787-9273 Toll Free: (866)760-9255
 Email: boilerpermits@tsask.ca
 Website: www.tsask.ca

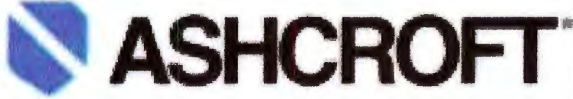
Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, Philip Reed,
 Quality Assurance Manager
 (company title, e.g. vice president, plant manager, chief engineer)
 (must be in a position of authority in the manufacturing plant where the fitting is produced)

of: Ashcroft, Inc.
 (name of manufacturer)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting:


located at: 250 Main Street, Stratford, CT, USA
 (Plant Address – Apt/Street) (City,Prov) (Postal Code)

do solemnly declare that the fittings listed hereinunder, which are subject to the **Saskatchewan Boiler and Pressure Vessel Safety Act** (check one)

- Comply with the requirements of CSA B51, ASME BPV Code Section VIII Division 1, ASME B31.3, ASME B31.1, CSA C22.2 61010-1 which specifies the dimensions, 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 manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, Lloyd's Register Quality Assurance, Inc. as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are Category F

In support of this application, the following information, calculations and / or test data are attached:
PRP01-DS-001, Rev 1; MAWP-02

**Technical Safety Authority
 of Saskatchewan
 Boiler & P.V. Safety Unit**

CRN OF12994.53
 Date 11139
REGISTERED
 Date June 11, 2019
 Design Survey Office

II. Declaration

DECLARED before me at Stratford In the State of Connecticut
 this 4 day of January, 2019
Philip A. Reed (print name) [Signature] (Signature)
[Signature] (Signature of Commissioner of Oaths)

III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the **Boiler and Pressure Vessel Safety Act** and CSA B51, Clause 4.2, and is accepted for registration in Category F
OF12994.53 (Registration Number) June 11, 2019 (Date Registered – MM DD YYYY) Feb. 13, 2029 (Expiry Date – MM DD YYYY)
 (For the Administrator / Chief Inspector)



330 - 1855 Victoria Avenue
Regina, SK S4P 3T2
PH: (306)798-7112 Toll Free: (866)530-8599
FAX: (306)787-9273 Toll Free: (866)760-9255
Email: boilerpermits@tsask.ca
Website: www.tsask.ca

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, Philip Reed,
Quality Assurance Manager
(company title, e.g. vice president, plant manager, chief engineer)
(must be in a position of authority in the manufacturing plant where the fitting is produced)
of: Ashcroft, Inc.
(name of manufacturer)

In this space, show facsimile of manufacturer's logo or trademark as it will



located at: 250 Main Street, Stratford, CT, USA
(Plant Address - Apt/Street) (City, Prov) (Postal Code)

do solemnly declare that the fittings listed hereunder, which are subject to the **Saskatchewan Boiler and Pressure Vessel Safety Act** (check one)

- Comply with the requirements of ASME B31.3, ASME B40.2 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 manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, Lloyd's Register Quality Assurance, Inc. as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are Category F

In support of this application, the following information, calculations and / or test data are attached: 11139
Catalogues: DFE; DF; Type 702, 703, & 740, 741; Type 510/511; Type 310, 315; Type 311/312

Technical Safety Authority
of Saskatchewan
Boiler & P.V. Safety Unit

CRN OF1299453
Attached: 11139

REGISTERED

Date June 11, 2019
Design Survey Office

II. Declaration

DECLARED before me at Stratford In the state of Connecticut
this 4 day of January, 2019
Philip A. Reed (print name) [Signature] (Signature)
Jeanette Bednarz (Signature of Commissioner of Oaths)

III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the **Boiler and Pressure Vessel Safety Act** and CSA B51, Clause 4.2, and is accepted for registration in Category F
OF12994.53 (Registration Number) June 11, 2019 (Date Registered - MM DD YYYY) Feb 13, 2029 (Expiry Date - MM DD YYYY)
(For the Administrator / Chief Inspector)



250 Main Street, Stratford, CT 06614-5145, USA

Scope of Registration Summary – Diaphragm Seals

Product	Type	Process Connection Size (in) [1]	Design Pressure (psi) [2]	Design Temp. (°F) [2]	Weakest Housing & Diaphragm Material [4, 5]	Code of Construction
310	All welded	1/8, 1/4, 3/8, 1/2, 3/4, 1 male	2500	-70 to 750	316L UNS S31603	ASME B31.3
315		1/4, 3/8, 1/2 female				
311		1/4, 1/2, 3/4, 1 male or female	1000			
312		1/4, 1/2 female				
510		1/2 male	1500 or 5000			
511						
702		Flanged	1/2, 3/4, 1, 1 1/2, 2, 3			
703						
740	Threaded	1/4, 1/2, 3/4, 1	750			
741						
DF	Welded flanged	2, 3, 4	ASME B16.5 150# to 2500#		Diaphragm & Flange: 316L UNS S31603	
DFE	Welded flanged with internal diaphragm	1, 1 1/2	ASME B16.5 150# to 300#		Hub: 316Ti UNS S31635	

NOTES

- [1] Except for flanged models, connections are NPT type per ASME B1.20.1.
 [2] Design pressure given at 100°F, for de-ratings see B16.5. Minimum design temperature limited by fill fluid.
 [3] Models 315, 312, 511, 703, 741 supplied with flushing connection.

The undersigned hereby declares that that above is accurate and representative.

Name: Jeremy M. Payne

Title: Materials and Testing Eng. Manager

Signature: Date: December 4th, 2014

Technical Safety Authority of Saskatchewan Boiler & P.V. Safety Unit	
CRN	OF1299453
File	11139
REGISTERED	
Date	June 11, 2019
Design Survey Office	



250 East Main Street, Stratford, CT, USA 06614. Tel 203.378.8281. Fax 203.385.0408.

MAWP-02

Ashcroft Diaphragm Seal Type	Size (in) (1)	Diaphragm Material (4)	Bottom Housing Material (4)	MAWP at ambient (psi or ASME B16.5 class #) (3)			Maximum Design Temperature T (°F)	MAWP at Maximum Design Temperature (psi or ASME B16.5 class #) (3)			Codes of Construction
				Seal A	Seal B	Seal C		Seal A	Seal B	Seal C	
100, 101, 104, 107 105	1/4, 1/2, 3/4, 1, 1.5 3, 4	Metallic	Metallic	1250			750	730			ASME B31.1 ASME B31.3 ASME B16.5 ASME Boiler & Pressure Vessel Code CSA C22.2 61010-1 ANNEX G
			PVC or Kynar	200			74, 125, 150	200, 125, 80 (2)			
102, 103	1/2, 3/4, 1, 1.5, 2, 3 1, 1.5, 2	Metallic	Metallic	150#			750	150#			
			Teflon	290			150	270			
200, 201, 204, 207, 205	1/4, 1/2, 3/4, 1, 1.5 3, 4	Metallic	Metallic			1250	750		730		
						1250	400		875		
						500	350		365		
						500	212		425		
			PVC or Kynar		200	74, 125, 150		200, 125, 80 (2)			
					200	74, 125, 150		200, 125, 80 (2)			
202, 203	1/2, 3/4, 1, 1.5, 2, 3	Metallic	Metallic		150#, 300#, 600#	750		150#, 300#, 600#			
					150#	400		150#			
					150#	350		150#			
					150#	212		150#			
	1, 1.5, 2	Nonmetallic	Teflon	Teflon		290	150		270		
						290			270		
					PVC or Kynar		200	74, 125, 150		200, 125, 80 (2)	
							75	100		75	
300, 301, 304	1/4, 1/2, 3/4, 1, 1.5	Metallic	Metallic		1250	400		875			
					500	350		365			
					500	212		425			
				PVC or Kynar		200	74, 125, 150		200, 125, 80 (2)		
			302, 303	1/2, 3/4, 1, 1.5, 2, 3	Metallic	Metallic		150#	400		150#
	150#	350						150#			
1.5, 2	Nonmetallic	Teflon		Teflon		290	150		270		
					PVC or Kynar		75	100		75	
500, 501	1/4, 1/2, 3/4, 1	Metallic	Metallic			500		290			
400, 401	3/4, 1				4400		750		2580		
402, 403	1/2, 3/4, 1, 1.5, 2, 3	Metallic	Metallic		150#, 300#, 600#			150#, 300#, 600#			

Notes:

- (1) Types 104, 204, and 304 not available in 1.5". Types 107 and 207 also available in 2". (consult factory). Only Type 105, 205 available in 3" and 4"
- (2) Maximum Allowable Working Pressure (MAWP) at respective Maximum Design Temperature. (consult factory)
- (3) Seal A - Threaded capsule diaphragm; Seal B - Welded and clamped or welded only diaphragm; Seal C - Bonded/Welded and Clamped or Clamped only diaphragm (consult factory)
- (4) Nickel constructions excluded. Metallic materials UNS S31603 equivalent or stronger are qualified under this CRN registration. (consult factory)

61010-1
ANNEX G
Technical Safety Authority
of Saskatchewan
Boiler & P.V. Safety Unit

CRN...OF12994.53
File...11139
REGISTERED
Date...June 11, 2019
Design Survey Office



2202 2nd Avenue
Regina, SK S4R 1K3 Canada
1 (866) 530-8599
info@tsask.ca
www.tsask.ca

REGISTRATION OF A PRESSURE FITTING DESIGN

14-Nov-19

Ashcroft Inc.
250 East Main Street
Standford, CT, USA
06614

Attention: Phil Reed

File Number: 11264 [0 F]

Re: Manufacturer: Ashcroft, Inc.
Item: Diaphragm Seal Type DF
Catalog or Drawing: Scope of Registration Summary ASHCROFT-DS-Rev. 1

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

OF1969.3 **Expiry Date: November 14, 2029**

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,

A handwritten signature in blue ink, appearing to read "Williams Uju", is written over a faint blue circular stamp.

Williams Uju, P.Eng.
Codes and Standards Compliance

Remarks:

A valid quality management system must be maintained at the production facility for the fitting registration to remain valid until the expiry date.



Boiler & Pressure Vessel Safety
330 - 1855 Victoria Avenue
REGINA, SK S4P 3T2
Ph: 306-787-1443 Fax: 306-787-9273

LIB-1008

Handwritten registration details: DF1969.3, File 11264, REGISTERED, Date Nov. 14, 2019

Statutory Declaration
Registration of Fitting



I, Phillip Reed

Quality Assurance Manager

(company title, e.g. vice president, plant manager, chief engineer)

(must be in a position of authority in the manufacturing plant where the fitting is produced)

of Ashcroft Inc.

(name of manufacturer)

located at 250 East Main Street, Stratford, CT, 06614, United States

(plant address)

do solemnly declare that the fittings listed hereinunder, which are subject to the Saskatchewan Boiler and Pressure Vessel Safety Act (check one)

Comply with the requirements of which specifies the dimensions, 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 ASME B31.3; Sec VIII, Div.1 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 manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, Lloyd's Register Quality Assurance, Inc. as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

In support of this application, the following information, calculations and / or test data are attached:

Per Scope of Summary ASHCROFT-DS-REV.0

DECLARED before me at Stratford in the state of Connecticut this 10 day of July, 2019. Signature of Jeanette Bednarec, Commissioner of Oaths.

For Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the Boiler and Pressure Vessel Safety Act and CSA B51, Clause 4.2, and is accepted for registration in Category

Registration Number:
Date Registered:
(For the Administrator / Chief Inspector)
Expiry Date:

Scope of Registration Summary ASHCROFT-DS-REV.1

Model	Process Connection size	Diaphragm Material	Flange Material	Design Pressure (psi)	Design Temp. (°F)	Drawings	Codes of Construction
Diaphragm Seal Type DF	1", 1 1/2"	316 SS, Monel 400, Tantalum, Hastelloy C-276	316L	ASME B16.5 Cl. 150 to 2500		B073I029-02	ASME B31.3

Technical Safety Authority
of Saskatchewan
Boiler & P.V. Safety Unit

CRN DF1969.3
No. 11264

REGISTERED
Date NOV. 14, 2019

Design Survey Office

Ashcroft Diaphragm Seals - CRN

British Columbia

ASHCROFT INC
250 MAIN STREET E
STRATFORD CT 6614
USA

Date: May 27, 2019
Account #: 59005
Journal #: 73326

Attn: TYLER BESSETTE

Re: Application for Design Registration

The design, as detailed in your, DRW: Scope of Registration, for a Fitting is accepted for registration as follows:

Registered To: ASHCROFT INC **CRN:** 0F12994.51

Drawing #: Scope of Registration

Drawing Revision: N/A

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 13-Feb-2029. 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. Any additional conditions of registration stated in TSSA CRN# 0F12994.5ADD4 registration shall apply to BC registration.

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

Janina Mihailescu

janina.mihailescu@technicalsaftybc.ca
Design Administration

cc:

ASHCROFT INC
250 MAIN STREET E
STRATFORD CT 6614
USA

Date: November 7, 2019
Account #: 59005
Journal #: 74527

Attn: PHIL REED

Re: Application for Design Registration

The design, as detailed in your, Scope of Registration, for a Fitting is accepted for registration as follows:

Registered To: ASHCROFT INC **CRN:** 0F12994.51

Drawing #: Scope of Registration

Drawing Revision: N/A

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 13-Feb-2029. 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. Any additional conditions of registration stated in TSSA CRN# 0F12994.5ADD4 registration shall apply to BC registration.

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

Janina Mihailescu

janina.mihailescu@technicalsaftybc.ca
Design Administration


cc:

Ashcroft Diaphragm Seals - CRN

New Brunswick

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

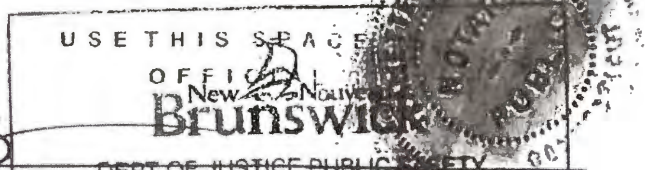
NEW BRUNSWICK
 NOVA SCOTIA
 PRINCE EDWARD ISLAND
 NEWFOUNDLAND AND LABRADOR
 NUNAVUT
 YUKON
 NORTHWEST TERRITORIES

MANUFACTURERS NAME: Ashcroft, Inc.	
MANUFACTURERS ADDRESS: 250 Main Street, Stratford, CT, USA	
PLANT LOCATIONS: 250 Main Street, Stratford, CT, USA	
<p>CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps <input checked="" type="radio"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/>. (Meeting CNSC or ASME requirements)</p>	<p>TITLE OF THE STANDARD OF CONSTRUCTION</p> <p>ASME B31.3 ASME B40.2</p>
<p>SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</p> 	<p>TYPE OF CONSTRUCTION</p> <p>FORGED <input checked="" type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER: machined</p>
<p>LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</p> <p>Catalogues: DFE; DF; Type 702, 703, & 740, 741; Type 510/511; Type 310, 315; Type 311/312</p>	

DECLARATION:

I, Philip Reed (see note 3) employed by Ashcroft, Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by Lloyd's Register Quality Assurance, Inc. as being suitable for that purpose and I make this declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.


Signature of Declarer: [Signature]
 Declared before me at Stratford
 This 4 day of January AD 2019
 Commissioner of Oaths or Notary Public: (sign) Janette Bedray



<p>This space for Regulatory Authority use</p> <p>This registration must be revalidated after ten (10) years from the date of acceptance.</p> <p>CRN: <u>0F12994.5 REV3</u></p> <p>FID#: <u>2433</u></p> <p>CRN EXPIRES FEB 13, 2029 P.b.</p> <p>Notes: 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.</p>	<p>DEPT OF JUSTICE PUBLIC SAFETY BOILER & PRESSURE VESSEL ACT</p> <p>REGISTRATION ONLY</p> <p>CRN <u>0F12994.57R03</u></p> <p><u>[Signature]</u> CHIEF BOILER INSPECTOR</p> <p>DATE <u>5/24/2019</u></p> <p><input type="checkbox"/> BLRs <input type="checkbox"/> PVI Sect. 1.0 - Fittings Rev. 1 06/2003</p> <p><input type="checkbox"/> FITTINGS <input type="checkbox"/> NUCLEAR COMPONENTS</p>
--	--

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

x NEW BRUNSWICK x NOVA SCOTIA x PRINCE EDWARD ISLAND x NEWFOUNDLAND AND LABRADOR
 x NUNAVUT x YUKON x NORTHWEST TERRITORIES

MANUFACTURERS NAME: Ashcroft, Inc.	
MANUFACTURERS ADDRESS: 250 Main Street, Stratford, CT, USA	
PLANT LOCATIONS: 250 Main Street, Stratford, CT, USA	
<p>CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps <input checked="" type="radio"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/>. (Meeting CNSC or ASME requirements)</p>	<p>TITLE OF THE STANDARD OF CONSTRUCTION</p> <p>CSA B51, ASME BPV Code Section VIII Division 1, ASME B31.3, ASME B31.1, CSA C22.2 61010-1</p>
<p>SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</p> 	<p>TYPE OF CONSTRUCTION</p> <p>FORGED <input type="checkbox"/> WELDED <input checked="" type="checkbox"/> WROUGHT <input checked="" type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER: machined</p>
<p>LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</p> <p>PRP01-DS-001, Rev 1; MAWP-02</p>	

DECLARATION:

I Philip Reed (see note 3) employed by Ashcroft, Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs or in part and has been verified by Lloyd's Register Quality Assurance, Inc. as being suitable for that purpose and I make this declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]
 Declared before me at Stratford
 This 4 day of January AD 2019
 Commissioner of Oaths or Notary Public: (sign) [Signature]



This space for Regulatory Authority use
 This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0F12994.5 ADD4
 FID#: 2433
 CRN EXPIRES FEB 13, 2029 D.B.

Notes:
 1. All fittings shall be registered in the name of the Manufacturer.
 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

REGISTRATION ONLY
 CRN 0F12994.5ADD4
[Signature]
CHIEF BOILER INSPECTOR
 DATE 5/24/2019

BLRs Fittings 1.0 - Fittings Rev. 1 06/2003
 FITTINGS NUCLEAR COMPONENTS


Ashcroft Diaphragm Seals - CRN

Newfoundland and Labrador



UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK NOVA SCOTIA PRINCE EDWARD ISLAND NEWFOUNDLAND AND LABRADOR
 NUNAVUT YUKON NORTHWEST TERRITORIES

MANUFACTURERS NAME: Ashcroft, Inc.	
MANUFACTURERS ADDRESS: 250 Main Street, Stratford, CT, USA	
PLANT LOCATIONS: 250 Main Street, Stratford, CT, USA	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY	
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps <input checked="" type="radio"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories I Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> . (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.3 ASME B40.2
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	
	
TYPE OF CONSTRUCTION	
FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> DESCRIBE OTHER: machined	
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:	
Catalogues: DFE; DF; Type 702, 703, & 740, 741; Type 510/511; Type 310, 315; Type 311/312	

DECLARATION:

I, Philjo Reed (see note 3) employed by Ashcroft, Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control program which extends to each plant where fabrication occurs in or in part and has been verified by UL's Register Quality Assurance, Inc. as being suitable for that purpose and I make this declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]

Declared before me at Stratford

This 4 day of January AD 2019

Commissioner of Oaths or Notary Public: (sign) [Signature]

USE THIS SPACE FOR OFFICIAL



This space for Regulatory Authority use
This registration must be revalidated after ten (10) years from the date of acceptance

CRN: OF12994.5 REV3

FID#: 2433


CRN EXPIRES FEB 13, 2029 P.b.

Notes:
 1. All fittings shall be registered in the name of the Manufacturer.
 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

Newfoundland
 Labrador
Service NL
 Registered OF12994.50 Rev. 3
 Date 19/05/19
 Engineering and Inspection Services
 Registered by [Signature]
 UNDER THE AUTHORITY OF THE
 PUBLIC SAFETY ACT AND
 THE BOILER, PRESSURE VESSEL AND
 COMPRESSED GAS REGULATIONS

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

x NEW BRUNSWICK x NOVA SCOTIA x PRINCE EDWARD ISLAND x NEWFOUNDLAND AND LABRADOR
 x NUNAVUT x YUKON x NORTHWEST TERRITORIES

MANUFACTURERS NAME: Ashcroft, Inc.	
MANUFACTURERS ADDRESS: 250 Main Street, Stratford, CT, USA	
PLANT LOCATIONS: 260 Main Street, Stratford, CT, USA	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY	
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps <input checked="" type="radio"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fuel gas plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION CSA B51, ASME BPV Code Section VIII Division 1, ASME B31.3, ASME B31.1, CSA C22.2 61010-1
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	
	
TYPE OF CONSTRUCTION	
FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> DESCRIBE OTHER: machined	
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:	
PRP01-DS-001, Rev 1; MAWP-02	

DECLARATION:

I, Philip Reed (see note 3) employed by Ashcroft, Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control program which extends to each plant where fabrication occurs or in part and has been verified by Lloyd's Register Quality Assurance, Inc. as being suitable for that purpose and I make this declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]

Declared before me at Stratford

This 4 day of January AD 2019

Commissioner of Oaths or Notary Public: (sign) [Signature]

USE THIS SPACE FOR OFFICIAL SIGNATURE



This space for Regulatory Authority use

This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: OF12994.5 ADD4

FID#: 2433

CRN EXPIRES FEB 13, 2029 D.B.

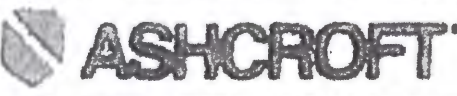
Notes:
 1. All fittings shall be registered in the name of the Manufacturer.
 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

Registered OF12994.50 App. 4
 Date 1/05/2019
 Engineering and Inspection Services
 Registered by [Signature]
 UNDER THE AUTHORITY OF THE
 PUBLIC SAFETY ACT AND
 THE BOILER, PRESSURE VESSEL AND
 COMPRESSED GAS REGULATIONS

Ashcroft Diaphragm Seals - CRN Northwest Territories

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
 NOVA SCOTIA
 PRINCE EDWARD ISLAND
 NEWFOUNDLAND AND LABRADOR
 NUNAVUT
 YUKON
 NORTHWEST TERRITORIES

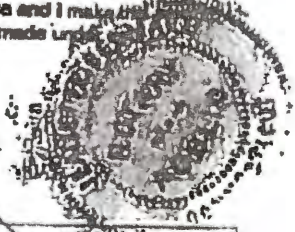
MANUFACTURERS NAME: Ashcroft, Inc.	
MANUFACTURERS ADDRESS: 280 Main Street, Stratford, CT, USA	
PLANT LOCATION: 280 Main Street, Stratford, CT, USA	
CATEGORY OF FITTING TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers: filters, separators, and clean tees F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories I Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNB or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.3 ASME B40.2
FROM MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 	TYPE OF CONSTRUCTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT IRON CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER: machined
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: Catalogues: DF2, DF, Type 702, 703, & 740, 741; Type 510/511; Type 310, 315; Type 311/312	

DECLARATION:

I, Philip Reed, President employed by Ashcroft, Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control program which extends to each plant where fabrication occurs in whole or in part and has been verified by UL's Registrar Quality Assurance, Inc. as being suitable for that purpose and I make this declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]
 Declared before me at Stratford
 This 4 day of January AD 2019
 Commissioner of Oaths or Notary Public: [Signature]

USE THIS SPACE FOR OFFICIAL STAMP



This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0F12994.5 REV3
 FID#: 2433
 CRN EXPIRES FEB 13, 2029 P.b.

Notified 1 month in advance
 REGISTERED UNDER THE AUTHORITY OF THE BOILER AND PRESSURE VESSEL ACT.
 C.R.N. 0F12994.5 REV3
 SIGNED [Signature]
 DATE 01/27/2019

Note:
 1. All fittings shall be registered in the name of the Manufacturer.
 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

Doc. 1.0 - Fittings Rev. 1 05/2003


UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
 NUNAVUT

NOVA SCOTIA
 YUKON

PRINCE EDWARD ISLAND
 NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

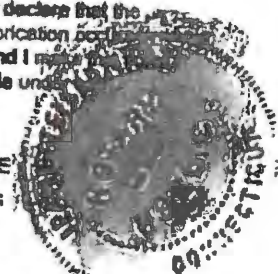
MANUFACTURERS NAME: Ashcroft, Inc.	
MANUFACTURERS ADDRESS: 250 Main Street, Stratford, CT, USA	
PLANT LOCATIONS: 250 Main Street, Stratford, CT, USA	
<p>CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps <input checked="" type="checkbox"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories I Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/>. (Meets CNSC or ASME requirements)</p>	<p>TITLE OF THE STANDARD OF CONSTRUCTION</p> <p>CSA B51, ASME BPV Code Section VIII Division 1, ASME B31.3, ASME B31.1, CSA C22.3 61010-1</p>
<p>SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</p> 	<p>TYPE OF CONSTRUCTION</p> <p>FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> DESCRIBE OTHER: machined</p>
<p>LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</p> <p>PRP01-DS-001, Rev 1; MAWP-02</p>	

DECLARATION:

I, Philip Reed (see note 2) employed by Ashcroft, Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs or in part and has been verified by Lloyd's Register Quality Assurance, Inc. as being suitable for that purpose and I make this declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]
 Declared before me at Stratford
 This 4 day of January AD 2019
 Commissioner of Oaths or Notary Public: [Signature]

USE THIS SPACE FOR OFFICIAL SIGNATURE



This space for Regulatory Agency use

This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0F12994.5 ADD4

FID#: 2433

CRN EXPIRES FEB 13, 2029 D.L.

Notes:
 1. All fittings shall be registered in the name of the Manufacturer.
 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

Northwest Territories

REGISTERED UNDER THE AUTHORITY OF THE BOILER AND PRESSURE VESSEL ACT.

C.R.N. 0F12994.51 PDD4

SIGNED [Signature]

DATE May 27 2019

96300

Sec. 1.0 - Fittings Rev. 1 06/2003

Ashcroft Diaphragm Seals - CRN

Nova Scotia

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

X NEW BRUNSWICK X NOVA SCOTIA X PRINCE EDWARD ISLAND X NEWFOUNDLAND AND LABRADOR
X NUNAVUT X YUKON X NORTHWEST TERRITORIES

MANUFACTURERS NAME: Ashcroft, Inc.
MANUFACTURERS ADDRESS: 250 Main Street, Stratford, CT, USA
PLANT LOCATIONS: 250 Main Street, Stratford, CT, USA
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers
B Flanges: all flanges
C Valves: all line valves
D Expansion joints, flexible connections, and hose assemblies: all types
E Strainers, filters, separators, and steam traps
F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters
G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs
H Pressure retaining components that do not fall into one of the above categories
N Nuclear components: Class 1 Class 2 Class 3. (Meeting CNSC or ASME requirements)
TITLE OF THE STANDARD OF CONSTRUCTION
ASME B31.3
ASME B40.2
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT
ASHCROFT
TYPE OF CONSTRUCTION
FORGED WELDED WROUGHT
CAST OTHER
DESCRIBE OTHER:
machined
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:
Catalogues: DFE; DF; Type 702, 703, & 740, 741; Type 510/511; Type 310, 315; Type 311/312

DECLARATION:

I, Philip Reed (see note 2) employed by Ashcroft, Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control program which extends to each plant where fabrication occurs in whole or in part and has been verified by Lloyd's Register Quality Assurance, Inc. as being suitable for that purpose and I make this declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

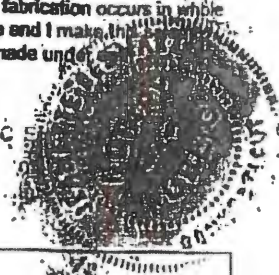
Signature of Declarer: [Signature]

Declared before me at Stratford

This 4 day of January AD 2019

Commissioner of Oaths or Notary Public: (sign) [Signature]

USE THIS SPACE OFFICIAL



This space for Regulatory Authority use
This registration must be revalidated after ten (10) years from the date of acceptance.
CRN: OF12994.5 REV3
FID#: 2433
CRN EXPIRES FEB 13, 2029 P.B.
Notes:
1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.
BOILER & PRESSURE VESSEL
NOVA SCOTIA
Date May 29/19
C.R.N. OF12994.5BREV3
Dwg. as described
Signed Yvonne Perry
1 of 1 Part
ACT & REGULATIONS
Sect. 1.0 - Fittings Rev. 1 08/2003

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

X NEW BRUNSWICK X NOVA SCOTIA X PRINCE EDWARD ISLAND X NEWFOUNDLAND AND LABRADOR
X NUNAVUT X YUKON X NORTHWEST TERRITORIES

MANUFACTURERS NAME: Ashcroft, Inc.
MANUFACTURERS ADDRESS: 250 Main Street, Stratford, CT, USA
PLANT LOCATIONS: 250 Main Street, Stratford, CT, USA
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY
TITLE OF THE STANDARD OF CONSTRUCTION
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:

DECLARATION:

I Philo Reed (name) employed by Ashcroft, Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought.

Signature of Declarer: [Signature]
Declared before me at Stratford
This 14 day of January AD 2019
Commissioner of Oaths or Notary Public: (sign) Jeanette Bednarz

USE THIS SPACE OFFICIAL




This space for Regulatory Authority use
This registration must be revalidated after ten (10) years from the date of acceptance.
CRN: OF12994.5 ADD4
FID#: 2433
CRN, EXPIRES FEB 13, 2029 D.B.
Notes:
1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.
BOILER & PRESSURE VESSEL
NOVA SCOTIA
Date May 29/19
C.R.N. OF12994.58ADD4
Dwg. as described
Signed Yvonne Perry
1 of 1 Part
ACT & REGULATIONS Sect. 1.0 - Fittings Rev. 1 05/2003

Ashcroft Diaphragm Seals - CRN

Nunavut

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

* NEW BRUNSWICK * NOVA SCOTIA * PRINCE EDWARD ISLAND * NEWFOUNDLAND AND LABRADOR
 x NUNAVUT x YUKON x NORTHWEST TERRITORIES

MANUFACTURERS NAME: Ashcroft, Inc.	
MANUFACTURERS ADDRESS: 250 Main Street, Stratford, CT, USA	
PLANT LOCATIONS: 250 Main Street, Stratford, CT, USA	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY	
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps <input checked="" type="radio"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> . (Meeting CNSC or ASME requirements)	
TITLE OF THE STANDARD OF CONSTRUCTION	
ASME B31.3 ASME B40.2	
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	
	
TYPE OF CONSTRUCTION	
FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER: machined	
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:	
Catalogues: DFE; DF; Type 702, 703, & 740, 741; Type 510/511; Type 310, 315; Type 311/312	

DECLARATION:

I, Philo Reed (see note 3) employed by Ashcroft, Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control program which extends to each plant where fabrication occurs in whole or in part and has been verified by Verid's Register Quality Assurance, Inc. as being suitable for that purpose and I make this declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]

Declared before me at Stratford

This 4 day of January AD 2019

Commissioner of Oaths or Notary Public: (sign) [Signature]


USE THIS SPACE FOR OFFICIAL NOTARY SEAL



This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>DF12994.5 REV3</u>	Boilers and Pressure Vessels Act REGISTERED CRN <u>DF12994.5 N Rev3</u> Date <u>May 24, 2019</u> Signed <u>[Signature]</u> Chief Inspector
FID#: <u>2433</u> CRN EXPIRES FEB 13, 2029 P.b	
Notes: 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.	
Sect. 1.0 - Fittings Rev. 1 06/200 Territorial Registration Fee	

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

x NEW BRUNSWICK x NOVA SCOTIA x PRINCE EDWARD ISLAND x NEWFOUNDLAND AND LABRADOR
 x NUNAVUT x YUKON x NORTHWEST TERRITORIES

MANUFACTURERS NAME: Ashcroft, Inc.	
MANUFACTURERS ADDRESS: 250 Main Street, Stratford, CT, USA	
PLANT LOCATIONS: 250 Main Street, Stratford, CT, USA	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY	
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)	
TITLE OF THE STANDARD OF CONSTRUCTION	
CSA B51, ASME BPV Code Section VIII Division 1, ASME B31.3, ASME B31.1, CSA C22.2 61010-1	
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	
	
TYPE OF CONSTRUCTION	
FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> DESCRIBE OTHER: machined	
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED	
PRP01-DS-001, Rev 1; MAWP-02	

DECLARATION:

I, Philip Reed (see note 3) employed by Ashcroft, Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs or in part and has been verified by Lloyd's Register Quality Assurance, Inc. as being suitable for that purpose and I make this declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

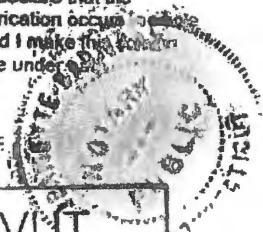
Signature of Declarer: [Signature]

Declared before me at Stratford

This 4 day of January AD 2019

Commissioner of Oaths or Notary Public: [Signature]

USE THIS SPACE FOR OFFICIAL STAMPS



This registration must be revalidated after ten (10) years from the date of acceptance. CRN: <u>0F12994.5 ADD4</u> FID#: <u>2433</u> CEW EXPIRES <u>FEB 13, 2029 D.B.</u> Notes: 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.	This space for Regulatory Approval Nunavut Boilers and Pressure Vessels Act
	REGISTERED CRN <u>0F12994.SNADD4</u> Date <u>May 24, 2019</u>
	Signed <u>[Signature]</u> Chief Inspector
	Territorial Registration Fee Sec. 1.0 - Fittings Rev. 1 06/2008

Ashcroft Diaphragm Seals - CRN

Prince Edward Island



UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

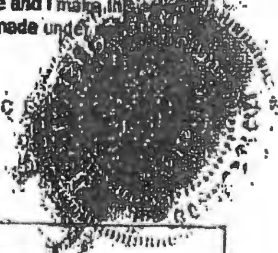
X NEW BRUNSWICK X NOVA SCOTIA X PRINCE EDWARD ISLAND X NEWFOUNDLAND AND LABRADOR
X NUNAVUT X YUKON X NORTHWEST TERRITORIES

MANUFACTURERS NAME: Ashcroft, Inc.
MANUFACTURERS ADDRESS: 260 Main Street, Stratford, CT, USA
PLANT LOCATIONS: 260 Main Street, Stratford, CT, USA
CATEGORY OF FITTINGS TO BE REGISTERED... ASME B31.3 ASME B40.2
SHOW MANUFACTURER'S NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: Catalogues; DFE; DF; Type 702, 703, & 740, 741; Type 510/511; Type 310, 315; Type 311/312

DECLARATION: Philo Reed (hereafter employed by Ashcroft, Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought.

Signature of Declarer: [Signature]
Declared before me at Stratford
This 4 day of January AD 2015
Commissioner of Dept. or Notary Public: [Signature]

USE THIS SPACE OFFICIAL



This space for Regulatory Authority use
This registration must be revalidated after ten (10) years from the date of acceptance.
CRN: OF12994.5 REV3
FID#: 2433
CRN EXPIRES FEB 13, 2029 P.6.
Notes: 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.
ACCEPTED
PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES, LAND & ENVIRONMENT
C.R.N. OF12994.59 Rev3
DATE: May 24/19
INSPECTION SERVICES SECTION BOILER/PRESSURE VESSEL BRANCH
Sect. 1.0 - Fittings Rev. 1 05/2003

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

X NEW BRUNSWICK X NOVA SCOTIA X PRINCE EDWARD ISLAND X NEWFOUNDLAND AND LABRADOR
X NUNAVUT X YUKON X NORTHWEST TERRITORIES

MANUFACTURERS NAME: Ashcroft, Inc.
MANUFACTURERS ADDRESS: 290 Main Street, Stratford, CT, USA
PLANT LOCATIONS: 290 Main Street, Stratford, CT, USA
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY
TITLE OF THE STANDARD OF CONSTRUCTION
TYPE OF CONSTRUCTION

DECLARATION:

I, Philip Reed (see note 3) employed by Ashcroft, Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought.

Signature of Declarer:

Declared before me at Stratford

This 14 day of January AD 2019

Commissioner of Oaths or Notary Public: (sign) Jeannette Bednarek

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This space for Regulatory Authority use
This registration must be revalidated after ten (10) years from the date of acceptance.
CRN: 0F12994.5 ADD4
FID#: 2433
CEN EXPIRES FEB 13, 2029 D.L.
Notes: 1. All fittings shall be registered in the name of the Manufacturer.
PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES, LAND & ENVIRONMENT
C.R.N. 0F12994.59 Add4
DATE: May 24/19
INSPECTION SERVICES SECTION BOILER/PRESSURE VESSEL BRANCH
6ed. 1.0 - Fittings Rev. 1 08/2003

Ashcroft Diaphragm Seals - CRN

Yukon

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
 NOVA SCOTIA
 PRINCE EDWARD ISLAND
 NEWFOUNDLAND AND LABRADOR
 NUNAVUT
 YUKON
 NORTHWEST TERRITORIES

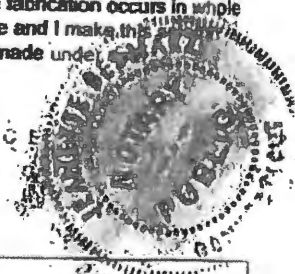
MANUFACTURERS NAME: Ashcroft, Inc.	
MANUFACTURERS ADDRESS: 250 Main Street, Stratford, CT, USA	
PLANT LOCATIONS: 250 Main Street, Stratford, CT, USA	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps <input checked="" type="checkbox"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> . (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.3 ASME B40.2
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 	TYPE OF CONSTRUCTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER: machined
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: Catalogues: DFE; DF; Type 702, 703, & 740, 741; Type 510/511; Type 310, 315; Type 311/312	

DECLARATION:

I Philip Reed (see note 3) employed by Ashcroft, Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control program which extends to each plant where fabrication occurs in whole or in part and has been verified by Lloyd's Register Quality Assurance, Inc. as being suitable for that purpose and I make this declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]
 Declared before me at Stratford
 This 4 day of January AD 2019
 Commissioner of Oath or Notary Public: (sign) [Signature]

USE THIS SPACE FOR OFFICIAL



This space for Regulatory Authority use


This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0F12994.5 REV3

FID#: 2433

CRN EXPIRES FEB 13, 2029 P.M.


Notes:
 1. All fittings shall be registered in the name of the Manufacturer.
 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.



GOVERNMENT OF YUKON
 BY [Signature]
 CRN: 0F12994.5Y REV3
 DATE: 05/27/2019
 Sec. 1.0 Fitting Rev. 1 08/2003
 BOILER & PRESSURE VESSEL

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

x NEW BRUNSWICK x NOVA SCOTIA x PRINCE EDWARD ISLAND x NEWFOUNDLAND AND LABRADOR
 x NUNAVUT x YUKON x NORTHWEST TERRITORIES

MANUFACTURERS NAME: Ashcroft, Inc.	
MANUFACTURERS ADDRESS: 250 Main Street, Stratford, CT, USA	
PLANT LOCATIONS: 250 Main Street, Stratford, CT, USA	
<p>CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps <input checked="" type="radio"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)</p>	<p>TITLE OF THE STANDARD OF CONSTRUCTION</p> <p>CSA B51, ASME BPV Code Section VIII Division 1, ASME B31.3, ASME B31.1, CSA C22.2 61010-1</p>
<p>SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</p> 	<p>TYPE OF CONSTRUCTION</p> <p>FORGED <input checked="" type="checkbox"/> WELDED <input checked="" type="checkbox"/> WROUGHT <input checked="" type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER: machined</p>
<p>LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</p> <p>PRP01-DS-001, Rev 1; MAWP-02</p>	

DECLARATION:

I Philo Reed (see note 3) employed by Ashcroft, Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in or in part and has been verified by Lloyd's Register Quality Assurance, Inc. as being suitable for that purpose and I make this declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]

Declared before me at Stratford

This 4 day of January AD 2019

Commissioner of Oaths or Notary Public: [Signature]

USE THIS SPACE FOR OFFICIAL SIGNATURE



This space for Regulatory Authority use

This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: OF12994.5 ADD4

FID#: 2433

CRN EXPIRES FEB 13, 2029 D.B.

Notes:
 1. All fittings shall be registered in the name of the Manufacturer.
 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

GOVERNMENT OF YUKON

BY [Signature]

CRN: OF12994.5Y ADD4

DATE: 05/27/2019

BOILERMAKING

Sec. 1.0 - Fittings Rev. 1 06/2003