

March 10, 2023

Attention: Rob McGregor
TITAN RESEARCH GROUP
1920 YONGE STREET 2ND FLOOR
TORONTO, ON M4S 3E2

The design submission, Tracking Number 2023-00324, Web Portal Number 2023-S0168, originally received on January 18, 2023 was surveyed and accepted for registration as follows:

CRN :	0F20231.2	Accepted on:	March 10, 2023
Reg Type:	ADDITION TO ACC. FITTING	Expiry Date:	November 29, 2029
Drawing No. :	ASHCROFT-E2X,E2S,E2F,E2G Rev 0		
Fitting type:	ASHCROFT-E2X,E2S,E2F,E2G Transducers		
Design registered in the name of : ASHCROFT INC			

Description	MAWP	Design Temperature
See scope document		

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

The addition to the scope of registration are those items highlighted in red on document "Current Registration scope of summary: Ashcroft-E2X, E2S, E2F, E2G-REV.0".

As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction is ASME B31.3.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration or AB-351 Declaration of Conformity as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.*
- 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 or AB-351 Declaration of Conformity 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, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, 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 3340 or fax (780) 437-7787 or e-mail Tabbert@absa.ca.

Sincerely,





the pressure equipment safety authority

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

March 10, 2023

TABBERT, SARAH, P. Eng.

DOP Cert. No. D00009915

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

I, Todd Zeigher, Quality 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, 06614
(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; 2020 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.	Per Scope of Registration Ashcroft-E2X, E2S, E2F, E2G-REV.0	ISO 9001:2015	Design and Manufacture of Pressure and Temperature Calibration and Measurement Equipment. Distribution of Pressure and Temperature Measurement Equipment Sourced Globally	31 January 2024	Lloyd's Register	250 East Main St., Stratford, CT 06614-5145, USA
2.						

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

Per Scope of Registration Ashcroft-E2X,E2S,E2F,E2G-REV.0

[Signature]
(Signature of the Declarer)

13Jul2022

(Date)

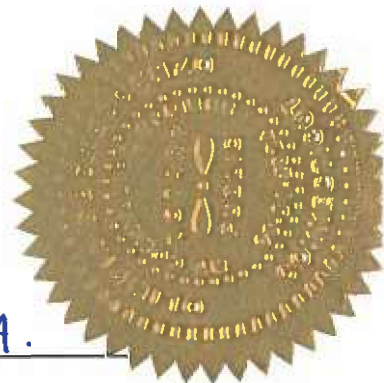
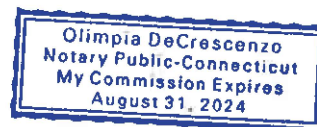
DECLARED before me at Stratford in the State of CT, USA
(city) (province, territory, or state)

this 18 day of July, 2022
(Month) (Year)

(print) Olimpia M. DeCrescenzo
(a Commissioner of Oaths or Notary Public)

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

08/31/2024
(expiry date (mm/dd/yy))



Commissioner of Oaths / Notary Public in and for: Stratford, CT, U.S.A.
(province, territory, or state)

For ABSA Office Use Only:

NOTES:

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 _____.

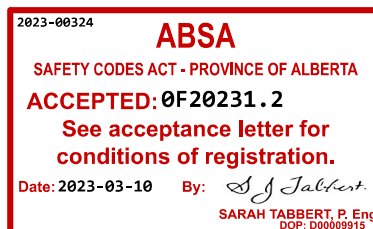
CRN: _____

Registered Date: _____

Expiry Date: 2029-11-29

Signature: _____
(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



This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

Current Registration scope of summary: Ashcroft-E2X, E2S,E2F,E2G-REV.0

Model	Process Connection size	Constructed Material		Design Pressure (psi)	Design Temp. (°F)	Drawings	Codes of Construction
		Pressure Fitting	Diaphragm				
E2 Transducer	F01- 1/8 NPT-Internal Thread	A276 316L S31603 ^[1]	A564 630 S17400, A479 316/316L ^[2] , A638 660 S66286	10,000	257 (125 °C)	036C120 Rev.H, 312B234, Rev. G 347B212 Rev.G	ASME B31.3;2020
	F02- 1/4 NPT-Internal Thread			10,000			
	F04-1/2 NPT-Internal Thread			5,000			
	F09- 9/16-18 UNF-2B 1/4 HP-Female Port			25,000			
	FRW- 7/16-20 UNF-2B SAE J1926-Port			9,100			
	FS7- Schrader valve Connection, 7/16-20 UNF-2A with SAE J513 flare			2,000			
	M01- 1/8 NPT-External Thread			20,000			
	M02- 1/4 NPT-External Thread			20,000			
	M04- 1/2 NPT-External Thread			10,000			
	M76- 7/16-20 UNJF-3A 37° Flare - External Thread			20,000			
	MEK- 7/16-20 UNF-2A SAE J1926-External Thread			10,000			
	MG2- G1/4 B EN 837-1 -External Thread			20,000			
	MG4- G1/2 B EN 837-1 -External Thread			23,200			
	MGA- G1/4A DIN 3852 Form E Stud End			10,000			
	MM3- M12x1.5 STUD END ISO 6149-2			9,100			
	MR1- R1/8 External Thread			10,000			
	MR2- R1/4 External Thread			15,000			
	MR4- R1/2 External Thread			23,000			
	FV2/MV2- 1/4" VCR gland w/ 9/16-18 int./ext. thread nut			5,100			
	S15- Sanitary Seal 1-1/2" Tri-Clamp			600			
	S20- Sanitary Seal 2" Tri-Clamp			430			

Notes:

1- MDMT: -40°F



2- Hydrostatic Test:

$$P_T = 1.5 * P (S_T / S_+)$$

Process Connection size	Design Pressure (psi)	Test Gauge Pressure (psi)
FS7- Schrader valve Connection, 7/16-20 UNF-2A with SAE J513 flare	2000	3,000
MM3- M12x1.5 STUD END ISO 6149-2	9100	13,650
S15- Sanitary Seal 1-1/2" Tri-Clamp	600	900
S20- Sanitary Seal 2" Tri-Clamp	430	645