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www.tssa.org

November 22, 2022

TITAN RESEARCH GROUP
1920 YONGE ST 2ND FLR
TORONTO ON M4S 3E2

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 8208782
Your Reference No.: Aschroft E2X
Registered to: ASHCROFT INC.

Dear ROB MCGREGOR,

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

CRN : 0F7495.15
Main Design No.: 036C120 REV H (E2X/S/F) TRANSDUCERS
Expiry Date: Oct 03, 2032

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

Design registration completed under interprovincial agreement with jurisdictional check only

The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). 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,

Shreyas Madhuranath M.Eng, P.Eng
Engineer, BPV
Tel. : +1 416-734-3212
Email : smadhuranath@tssa.org



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

ASHCROFT INC.

STATUTORY DECLARATION Registration of Fittings

I, Todd Zeigher Quality Manager
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Ashcroft Inc
(Name of Manufacturer)

Located at 250 Main Street, Stratford, CT, 06614
(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; 2020 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

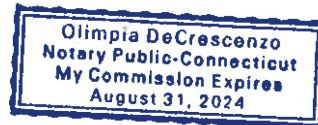
The items covered by this declaration, for which I seek registration, are category F type fittings. In support of this application, the following information and/or test data are attached as follows:
Per Scope of Registration Ashcroft-E2X,E2S,E2F,E2G-REV.0

(drawings, calculations, test reports, etc.)

Declared before me at Stratford in the State of CT USA
the 19 day of July AD 2022.

Commissioner for Oaths:

Olimpia DeCrescenzo
(Printed name)
O. M. DeCrescenzo
(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: _____
Registered by: _____
Dated: _____
The _____
stamp
size



Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0F7495.15

Signed: [Signature]

Date: November 22, 2022.

NOTE: This registration expires on:

OCT 3, 2032

*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)

1. Design registration completed under interprovincial agreement with jurisdictional check only
2. See Attached Scope of Registration



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

THIS IS PART OF CRN
0F7495.15
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

Scope of Registration Summary: Ashcroft-E2G-CRN-REV.0 current Valid CRN 0F22122-5

Model	Process Connection size	Constructed Material		Design Pressure (psi)	Design Temp. (°F)	Drawings	Codes of Construction	CRN number
		Pressure Fitting	Diaphragm					
E2G 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)	E2 Pressure boundary, 312B234, Rev. A 347A203, Rev. B 312B235, Rev. B 312C206, Rev. C 036C111, Rev. B 347B212, Rev. C	ASME B31.3	0F22122-5
	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				
	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				
	MR1- R1/8 External Thread			10,000				
	MR2- R1/4 External Thread			15,000				
	MR4- R1/2 External Thread			23,000				
	VF2/VM2- 1/4" VCR gland w/ 9/16-18 int./ext. thread nut			5,100				

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

THIS IS PART OF CRN
0F7495.15
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

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			