

Montréal, le 14 juillet 2022.

MR. MCGREGOR ROB  
TITAN RESEARCH GROUP  
1920 YONGE STREET SUITE 200  
TORONTO ONTARIO  
CANADA M4S 3E2

Manufacturer : ASHCROFT INC.  
250 EAST MAIN STREET  
STRATFORD CONNECTICUT  
USA 06614

OUR REFERENCE : 947686  
Design number : SOR-G-REV2

**Subject: Design registration confirmation**

Hi,

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0F08388.56**.

The following is a reminder of your obligations regarding certain requirements of the regulation respecting pressure vessels, and the referenced codes and standards:

- The manufacturer must maintain a valid quality control program to manufacture equipment according to the CRN.
- The CRN remains valid as long as there are no changes to the design calculations that might affect the pressure boundary. The design registration of fittings expires 10 years after acceptance. It must, therefore, be resubmitted for validation.
- The manufacturer shall submit a copy of the *Manufacturer's Data Report* to us for each equipment manufactured according to this CRN within 30 days following the signing of this report.
- The drawing number and the revision number registered under this CRN must be indicated on the *Manufacturer's Data Report* for equipment manufactured according to the CRN.

This notice of approval does not relieve the manufacturer of their responsibilities with respect to the design or fabrication of equipment manufactured according to this CRN.

Yours sincerely,

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

**Montréal**

545, boul. Crémazie Est, 7ième étage  
Montréal (Québec) H2M 2V2  
Téléphone : 514 873-6459  
Sans frais : 1 866 262-2084  
[www.rbq.gouv.qc.ca](http://www.rbq.gouv.qc.ca)

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](http://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	Scope of registration SOR-G-REV.2	CAT F
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, Sergio Luis Capassi, Engineering and Quality Manager,  
(Name of the person in charge) (Title of the person in charge)  
from WILLY INSTRUMENTOS DE MEDICAO E Rua João Pessoa, 620 - Santa Paula -  
CONTROLE LTDA located at 09520-000 - São Caetano do, Sul/SP Brasil  
(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 B31.3-2020; ASME B40.100  
(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 Bureau Veritas.  
(Name of code) (Authorized agency)

Signature of the person in charge:

Date (yyyy-mm-dd): 2022-05-16

### 3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at \_\_\_\_\_, on \_\_\_\_\_.  
(Location) (Date (yyyy-mm-dd)):

Signature of commissioner for oaths:

Date (yyyy-mm-dd):

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):



#### 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<sup>e</sup> étage  
Montréal (Québec) H2M 2V2

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

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For more information on the application registration for fittings, consult the [www.rbq.gouv.qc.ca/fittings-pv](http://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	Scope of registration: SOR-G-REV2	CAT F
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, Martin Ramirez Quality Manager,  
(Name of the person in charge) (Title of the person in charge)  
from ASHCROFT QUERÉTARO, S. DE R.L. DE C.V., located at Carr. 500 a Chichimequillas KM 5+500, Calle 1 #50, Parque Industrial Puerta Querétaro, 76240 El Marques, Mexico  
(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 B31.3-2020  
(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: ISO9001:215, and has been verified by Lloyd's Register.  
(Name of code) (Authorized agency)

Signature of the person in charge: Martin Ramirez Date (yyyy-mm-dd): 2022-05-17

### 3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at \_\_\_\_\_, on \_\_\_\_\_.  
(Location) (Date (yyyy-mm-dd)):

Signature of commissioner for oaths:

Date (yyyy-mm-dd):

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):



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

Régie du bâtiment du Québec

545, boulevard Crémazie Est, 7<sup>e</sup> étage

Montréal (Québec) H2M 2V2

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

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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, Vince Hu Quality Assurance Leader,  
(Name of the person in charge) (Title of the person in charge)  
from Ashcroft Instruments (Jiaxing), located at Building 1, 1188 Fenghua Road,  
Economic and Technological  
Development Zone, 314000 Jiaxing City,  
Zhejiang Province, P.R. China  
(Company's name)

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 B31.3-2020  
(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 TUV Nord.  
(Name of code) (Authorized agency)

Signature of the person in charge: Vince Hu Date (yyyy-mm-dd): 2022-05-10

### 3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at \_\_\_\_\_, on \_\_\_\_\_.  
(Location) (Date (yyyy-mm-dd)):

Signature of commissioner for oaths:

Date (yyyy-mm-dd):

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):



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Régie du bâtiment du Québec

545, boulevard Crémazie Est, 7<sup>e</sup> étage

Montréal (Québec) H2M 2V2

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

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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, David Kirschfink, Director of Operations Europe,  
(Name of the person in charge) (Title of the person in charge)  
from Ashcroft Instruments GmbH, located at Max-Planck-Str. 1, 52499 Baesweiler, Germany  
(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

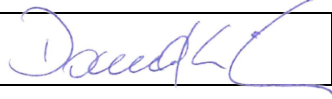
☒ are not covered by the ANSI/ASME codes, but are in compliance with ASME B31.3-2020  
(Name of code or standard)

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 TÜV Rheinland.  
(Name of code) (Authorized agency)

Signature of the person in charge:



Date (yyyy-mm-dd): 2022-05-16



### 3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at \_\_\_\_\_, on \_\_\_\_\_.  
(Location) (Date (yyyy-mm-dd)):

Signature of commissioner for oaths:

Date (yyyy-mm-dd):

Stamp the seal:

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Canadian registration number (CRN):

Registration date (yyyy-mm-dd):



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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, Todd Zeigher Quality Manager,  
(Name of the person in charge) (Title of the person in charge)

from Ashcroft Inc., located at 250 East Main St., 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 B31.3-2020  
(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: ISO9001:2015, and has been verified by Lloyd's Register.  
(Name of code) (Authorized agency)

Signature of the person in charge: Todd Zeigher Date (yyyy-mm-dd): 2022-05-10

### 3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at \_\_\_\_\_, on \_\_\_\_\_.  
(Location) (Date (yyyy-mm-dd)):

Signature of commissioner for oaths:

Date (yyyy-mm-dd):

Stamp the seal:

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Régie du bâtiment du Québec

545, boulevard Crémazie Est, 7<sup>e</sup> étage

Montréal (Québec) H2M 2V2

Gauge Products	Bourdon Gauge System	Bourdon Tube Material	Socket Material	Max. Pressure (psi)	Max. Temp. (°F)	Code of Construction
1279, 1379, 1377, 2462, 1010, 1017, 1220, 1109, 1009, 1008AW	A	B103 C51000	B16 C36000	Up to 1,000	250	ASME B31.3
	P, PH	B865 N05500	B164 N04400	Up to 30,000		
1279, 1379, 1377, 2462, 1010, 1017, 1220, 1259, T5400, T5500, T6500, T6500-XRA, 1020S, 1109, 1009, 1209	S	A 240 316 S31600	A240 S31600	Up to 20,000		
	R		A108 G10180	Up to 6,000		
1279, 1379, 1377, 2462, 1109	B	A519 G41300				
1009, 1122	AW	A240 316 S31600	B16 C36000	Up to 1,000		
1008, 1009	S	A240 316 S31600	A240 316 S31600	Up to 15,000		
1150H, 1038, 1339	A	B103 C51000	B16 C36000	Up to 1,000		
1082						
1084	S	A 240 316 S31600	A240 S31600	Up to 60		
1127, 1128				Up to 1,200		
1259	P	B865 N05500	B164 N04400	Up to 1,500		
1125/1125A	Bronze	B103 C51000	B62 C83600	Up to 1,000		
1005M	R	A240 S31635	A108 G12144	Up to 400	150	
1001	A	B103 C51000/ A240 S31600	B16 C36000/ A240 S31600	Up to 700		
1000, 1005/1005S/1005P, 2071, 1007				Up to 600		
3005				Up to 15,000		
1008, 8008						
12DDG, 50DDG	Beryllium Copper	B194 C17200	B453 C35300	Up to 400		
15DDG				Up to 1,200		
23DDG				Up to 300		
40DDG				Up to 441		

**Note:**

1. A240 31600 has mechanical properties of 316 and chemical properties of 316L.
2. 1008AW to 1000 psi maximum, using C64200 B150 socket

