



345 Carlingview Drive
Toronto, Ontario M9W 6N9
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www.tssa.org

May 27, 2022

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

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 8127587
Your Reference No.: REF# MEXICO
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 : 0F8388.5ADD8
Main Design No.: SOR-G-REV2
Expiry Date: Apr 11, 2032

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 (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,

Charley Dong
Engineer, BPV
Tel. : +1 416-734-3436
Email : cdong@tssa.org

SOR-G-REV2
Scope of Registration Summary – Ashcroft Bourdon Gauges

THIS IS PART OF CRN
0F8388.5ADD8
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

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



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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, Sergio Luis Capassi, Engineering and Quality Manager

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of WILLY INSTRUMENTOS DE MEDIÇÃO E CONTROLE LTDA.

(Name of Manufacturer)

Located at Rua João Pessoa, 620 - Santa Paula - 09520-000 - São Caetano do Sul / SP - Brasil

(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 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, _____.

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

Scope of registration: SOR-G-REV2

Declared before me at São Caetano do Sul, State of SP in the Country of Brazil

the 3rd day of February AD 2022.

Commissioner for Oaths:

(Printed name)

(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: 0F8388.5R7

Registered by: Charley Dong

Dated: Apr. 11, 2022

CRN scope
"Part of CRN"

NOTE: This registration expires on: Apr. 11, 2032

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

REGISTERED

W.P.S.: 0F8388.5R7

Signed: Charley Dong

Date: April 8, 2022.

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



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STATUTORY DECLARATION Registration of Fittings

I, David Kirschfink, Director of Operations Europe
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Ashcroft Instruments GmbH
(Name of Manufacturer)

Located at Max-Planck-Str. 1, 52499 Baesweiler, Germany
(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, TÜVRheinland.

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

Scope of Registration: SOR-G-REV2
(drawings, calculations, test reports, etc.)

Declared before me at Baesweiler in the country of Germany
the 11 day of February AD 20 22.

Commissioner for Oaths:

(Printed name)

(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: 0F8388.5R7

Registered by: Charley Dong

Dated: Apr.11, 2022

CRN scope
"Part of CRN"

NOTE: This registration expires on: Apr.11, 2032

Technical
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W.P.S.: 0F8388.5R7

Signed: Charley Dong

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STATUTORY DECLARATION Registration of Fittings

I, Vince Hu, Quality Assurance Leader

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Ashcroft Instruments (Jiaxing) Co., Ltd.

(Name of Manufacturer)

Located at Building 1, 1188 Fenghua Road, Economic and Technological Development Zone,
314000 Jiaxing City, Zhejiang Province, P.R. China

(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, TÜV Nord.

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

Scope of registration: SOR-G-REV2

Declared before me at _____ in the _____ of _____

the 18 day of Feb AD 2022.

Commissioner for Oaths:

(Printed name)

(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: 0F8388.5R7

Registered by: Charley Dong

Dated: Apr.11, 2022

CRN scope
"Part of CRN"

NOTE: This registration expires on: Apr.11, 2032

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

REGISTERED

W.P.S.: 0F8388.5R7

Signed: Charley Dong

Date: April 8, 2022.

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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 East Main St., Stratford, CT 06614-5145, 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

(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: 2015 which has been verified by the following authority, _____.

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

Scope of registration: SOR-G-REV2

Declared before me at _____ in the _____ of _____

the 14 day of Feb AD 2022.

Commissioner for Oaths:

(Printed name)

(Signature)

Todd Zeigher
(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: 0F8388.5R7

Registered by: Charley Dong

Dated: Apr. 11, 2022

CRN scope
"Part of CRN"

NOTE: This registration expires on: Apr. 11, 2032

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

REGISTERED

W.P.S.: 0F8388.5R7

Signed: Charley Dong

Date: April 8, 2022.

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STATUTORY DECLARATION Registration of Fittings

I, Martin Ramirez, Quality Manager

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Ashcroft Querétaro, S. De R.L. De C.V

(Name of Manufacturer)

Located at Carr. 500 a Chichimequillas KM 5+500 Calle 1 #50, Parque Industrial
Puerta Querétaro, 76240 El Marques, Mexico +5214421530912

(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 Category F type fittings. In support of this application, the following information and/or test data are attached as follows:

Scope of registration: SOR-G-REV2

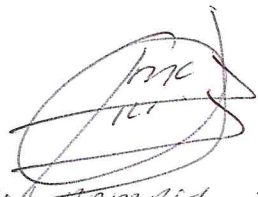
Declared before me at _____ in the _____ of _____

the _____ day of _____ AD 20_____.

Commissioner for Oaths:

(Printed name)

(Signature)


MARTIN RAMIREZ FEB 3rd 2022
(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: 0F8388.5ADD8

Registered by: Charley Dong

Dated: May 27, 2022

NOTE: This registration expires on: Apr 11, 2032

Technical
Standards
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Pressure Vessels
Safety Program

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W.P.S.: 0F8388.5ADD8

Signed: Charley Dong

Date: May 27, 2022.

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