

REGISTRATION OF A PRESSURE FITTING DESIGN

17-Nov-22

Titan Research Group
1920 Yonge Street
Toronto, Ontario
M4S 3E2**Attention: Rob McGregor****File Number: 13350 [0 F]****Re: Manufacturer: Ashcroft, Inc.**
Item: Pressure Guages
Catalog or Drawing: Scope of Registration SOR-G-REV2

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:

0F8388.53 Expiry Date: April 11, 2032

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,

Athan Syrgiannis, P.Eng.
Codes and Standards Compliance**Remarks:**

A valid quality control program must be maintained at the production facilities for the fitting registration to remain valid until the expiry date.

The scope of this registration is the addition of the Mexico manufacturing location.

Due to COVID-19 restrictions, this registration is conditional based on TSASK receiving valid Statutory Declarations that have been witnessed and signed by a Commissioner of Oaths or a Notary Public.

SOR-G-REV2

Scope of Registration Summary – Ashcroft Bourdon Gauges

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

 Technical Safety Authority of Saskatchewan	
Registration No.	0F8388.53
File No.	13350
Registered	
Date:	November 17, 2022
Expiry Date:	April 11, 2032
Codes & Standards Compliance Office	

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, Martin Ramirez,
Quality 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 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
(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 _____ 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 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 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
Cat F _____

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

Scope of registration: SOR-G-REV2

II. Declaration

DECLARED before me at _____ In the _____ of _____
this _____ day of _____,
(print name) Martin Ramirez 5/17/22
(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 _____



**Technical
Safety Authority
of Saskatchewan**

Registration No. 0F8388.53
File No. 13350
Registered
Date: November 17, 2022
Expiry Date: April 11, 2032
Codes & Standards Compliance Office

(Date Registered – MM DD YYYY)
(For the Administrator / Chief Inspector)

(Expiry Date – MM DD YYYY)

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, David Kirschfink,
Director of Operations Europe
(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 Instruments GmbH
(name of manufacturer)



located at: Max-Planck-Str. 1, 52499 Baesweiler, Germany
(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)

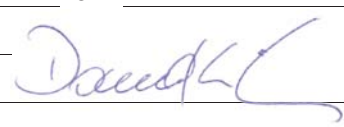
- ☐ Comply with the requirements of _____ which specifies the dimensions,
(title of recognized North American Standard)
Materials of construction, pressure / temperature ratings and identification marking of the fittings, or
- ☒ Are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME B31.3-2020 as supported by the 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, TÜV Rheinland 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 Cat F

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

Scope of registration: SOR-G-REV2

II. Declaration

DECLARED before me at 3:25 p.m. In the city _____ of Baesweiler
this 16 day of May, 2022
David Kirschfink
(print name) (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 _____



Registration No. 0F8388.53
File No. 13350
Registered
Date: November 17, 2022
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Codes & Standards Compliance Office

(Date Registered – MM DD YYYY)
(For the Administrator / Chief Inspector)

(Expiry Date – MM DD YYYY)

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, Vince Hu,
Quality Assurance Leader
(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 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 – 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)

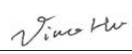
- ☐ Comply with the requirements of _____ which specifies the dimensions,
(title of recognized North American Standard)
Materials of construction, pressure / temperature ratings and identification marking of the fittings, or
- ☒ Are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME B31.3-2020 as supported by the 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, TUV Nord 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
Cat F _____

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

Scope of registration: SOR-G-REV2

II. Declaration

DECLARED before me at _____ In the _____ of _____
this 10th day of May, 2022
Vince Hu (print name) _____ (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 _____



**Technical
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of Saskatchewan**

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(Date Registered – MM DD YYYY)
(For the Administrator / Chief Inspector)

(Expiry Date – MM DD YYYY)

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, Todd Zeigher,
Quality 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 St., Stratford, CT 06614-5145, 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 _____ 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 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 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
Cat F _____

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

Scope of registration: SOR-G-REV2

II. Declaration

DECLARED before me at _____ In the _____ of _____
this 10 day of May, 2022
(print name) (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 _____



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File No. 13350
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(Date Registered – MM DD YYYY)
(For the Administrator / Chief Inspector)

(Expiry Date – MM DD YYYY)

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, Sergio Luis Capassi,
Engineering and Quality 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: WILLY INSTRUMENTOS DE MEDICAO E CONTROLE LTDA.
(name of manufacturer)



located at: Rua João Pessoa, 620 - Santa Paula - 09520-000 - São Caetano do Sul/SP Brasil
(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 _____ 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; ASME B40.100 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, Bureau Veritas 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
Cat F _____

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

Scope of registration SOR-G-REV.2

II. Declaration

DECLARED before me at Sao Caetano do Sul, State of SP In the country of Brazil
this 16th day of May, 2022
Sergio Luis Capassi
(print name) (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 _____



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