

2202 2nd Avenue Regina, SK S4R 1K3 Canada 1 (866) 530-8599 info@tsask.ca www.tsask.ca

#### 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:

**OF8388.53 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,	Α	B103 C51000	B16 C36000	Up to 1,000		
1220, 1109, 1009, 1008AW	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		
1279, 1379, 1377,	R	A.5.40.004.4000	A108 G10180	Up to 6,000		
2462, 1109	В	A519 G41300 A240 316				
1009, 1122	AW	S31600	B16 C36000	Up to 1,000	250	
1008, 1009	S	A240 316 S31600	A240 316 S31600	Up to 15,000		
1150H, 1038, 1339	А	B103 C51000	B16 C36000	Up to 1,000		
1082	Р	B865 N05500	B164 N04400	Up to 10,000		ASME B31.3
1084	)	A 240 316 S31600 A240 S31600 -		Up to 60		
1127, 1128	S			Up to 1,200		
1259	Р	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		
1001				Up to 700		
1000, 1005/1005S/1005P, 2071, 1007	А	B103 C51000/ A240 S31600	B16 C36000/ A240 S31600	Up to 600		
3005				Up to	150	
1008, 8008				15,000		
12DDG, 50DDG				Up to 400		
15DDG	Beryllium	B194 C17200	B453 C35300	Up to 1,200	1	
23DDG 40DDG	Copper			Up to 300 Up to 441		
40DDG				υρ ιο <del>44</del> Ι		

#### Note:

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





PH: (306)798-7112 Toll Free: (866)530-8599 FAX: (306)787-9273 Toll Free: (866)760-9255 Email: boilepermits@tsask.ca

Website: www.tsask.ca

# **Statutory Declaration (Registration of Fittings)**

l. I	Declaration Information			
I,	Martin Ramirez			lr
-,	Quality Manager			*NASHCROFT
	(company title, e.g. vice president (must be in a position of authority in the manu			SASHUNUT INC.
of:	ASHCROFT QUERÉTARO, S. DE R.L. [	DE C.V.		
	,	manufacturer)		
loc	carr. 500 a Chichimequillas KM 5+500, Calle 1 (Plant Address – Apt/Street)	#50, Parque Industrial Puerta Querétaro,	76240 El Marques, Me: (City,Prov)	(Postal Code)
	solemnly declare that the fittings listed seel Safety Act (check one)	hereinunder, which are	, ,	,
C	Comply with the requirements of		which	specifies the dimensions,
·	Materials of construction, pressure	(title of recognized North Ameri / temperature ratings ar	can Standard)	
•	,	of a recognized North Ar		
	to comply with ASME B31.3-2020			s supported by the attached
	data which identifies the dimension for such ratings, and the marking o			ature ratings and the basis
veri	ther declare that the manufacturer of field by the following authority, Lloyd's nese fittings to the stated standard. The	Register	as being	suitable for the manufacturer
	upport of this application, the following ope of registration: SOR-G-RE\		s and / or test data are	e attached:
II	Declaration			
		In the		of
	CLARED before me at	III tile		
this	day ofprint name)		Martin Ramire (Signature)	5/17/22
(8	Signature of Commissioner of Oaths)		_	
III.	Office Use Only			
	he best of my knowledge and belief, the a A B51, Clause 4.2, and is accepted for regi		ements of the <i>Boiler and</i>	Pressure Vessel Safety Act and
	Technical Safety Authority of Saskatchewan Registration No. 0F8388.53	, ,	red – MM DD YYYY) nistrator / Chief Inspector)	(Expiry Date – MM DD YYYY)
	File No13350			
	Registered			TSK-1008
	Date: November 17, 2022  Expiry Date: April 11, 2032			Rev. 10/2012
	Codes & Standards Compliance Office			Page 1 of 1



Regina, SK S4R 1K3 PH: (306)798-7112 Toll Free: (866)530-8599 FAX: (306)787-9273 Toll Free: (866)760-9255

Email: boilerpermits@tsask.ca Website: www.tsask.ca

# **Statutory Declaration (Registration of Fittings)**

I. Declara	tion Inforn	nation					
<b>I,</b> David Kii							
,	of Operations	Furone			,	ACLIC	
-	(company titl	e, e.g. vice presider	nt, plant manager, chief en oufacturing plant where the			AOUR	ROFTING
of: Ashcroft	Instruments Gi	mbH					
		•	of manufacturer)				
located at:		(-Str. 1, 52499 B) ss – Apt/Street)	aesweiler, Germany	(City,Prov)		(Postal	Code
	•	he fittings listed	d hereinunder, whic		he <b>Saskatch</b>	`	,
O Comp	ly with the red	quirements of			which sp	ecifies the din	nensions,
			(title of recognized Norte / temperature ratio				
	•	the provisions SME B31.3-2020	of a recognized No	rth American star		e therefore ma supported by the	
			ns, materials of cor of the fittings for ide		re / temperat	ure ratings and	d the basis
verified by th	e following a	uthority, <u>TÜV</u>	these fittings is co Rheinland The fittings covered		as being su	itable for the r	manufacturer
		on, the followin	ng information, calcu V2	ulations and / or to	est data are a	attached:	
II. Declar	ation						
DECLARED	before me at	3:25 p.m.	In the	city	of	Baesweiler	
this 16	day of	May		, <u>2022</u>		1/1	
David Kirso	chfink			<del></del>	K	reed (	
(print name)				(Signature)			)
(Signature of	Commissioner of	Oaths)					
III. Office							
			application meets the gistration in Category		e Boiler and P	ressure Vesse	I Safety Act and
	Technical Safety Aut of Saskatch 0F8388.53	thority newan	,	Registered – MM DD Y e Administrator / Chief	*	(Expiry Date – N	//M DD YYYY)
File No	13350  Registered  November 17, 2022  April 11, 2032	2					TSK-1008 Rev. 10/2012
Expiry Date:							Page 1 of 1



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# **Statutory Declaration (Registration of Fittings)**

I.	<b>Declaration Information</b>				
I,	Vince Hu		,		
	Quality Assurance Leader			NASHCROFT NC	
	(company title, e.g. vice presi (must be in a position of authority in the m	dent, plant manager, chief engineer) nanufacturing plant where the fitting is	s produced)	SASHONOI INC.	
of:	Ashcroft Instruments (Jiaxing) Co., Lt	d	. ,		
	•	e of manufacturer)	71-:: D:: D	D. Okin -	
loc	Building 1, 1188 Fenghua Road, Economic and (Plant Address – Apt/Street)	Fechnological Development Zone, 314000 Jiaxing City,	Zhejiang Province, P. (City,Prov)	(Postal Code)	
	solemnly declare that the fittings lisessel Safety Act (check one)	ted hereinunder, which are	subject to the Saska	tchewan Boiler and Pressure	
	Comply with the requirements o	f	whicl	n specifies the dimensions,	
	Materials of construction, press	(title of recognized North Americ ure / temperature ratings an		ing of the fittings, or	
(	Are not covered by the provision	ns of a recognized North Am	nerican standard and	l are therefore manufactured	
	to comply with ASME B31.3-20			as supported by the attached	
	data which identifies the dimens for such ratings, and the markin			erature ratings and the basis	
	irther declare that the manufacturer	•		. •	
	rified by the following authority, <u>TU</u> these fittings to the stated standard.			g suitable for the manufacturer ch I seek registration, are	
	t F		·	•	
In s	support of this application, the follow	ving information, calculation	s and / or test data a	re attached:	
Sc	cope of registration: SOR-G-R	EV2			
II.	Declaration				
DE	CLARED before me at	In the		of	
this	s 10th day of May	,	2022		
_	√ince Hu			Vino Hu	
	(print name)		(Signature)		
(	(Signature of Commissioner of Oaths)				
III. Office Use Only					
То	the best of my knowledge and belief, th		ments of the <i>Boiler ar</i>	ad Pressure Vessel Safety Act and	
US.	A B51, Clause 4.2, and is accepted for	registration in Category 1			
-	Technical Safety Authority of Saskatchewan	, ,	ed – MM DD YYYY)	(Expiry Date – MM DD YYYY)	
	Registration No0F8388.53	(For the Admin	istrator / Chief Inspector)		
	File No. 13350				
	Date: November 17, 2022			TSK-1008	
	Expiry Date: April 11, 2032  Codes & Standards Compliance Office			Rev. 10/2012 Page 1 of 1	



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### **Statutory Declaration (Registration of Fittings)**

l.	Declaration Information		
I,	Todd Zeigher		) Company of the Parish of the
-	Quality Manager		NASHCROFT NC
		nt, plant manager, chief engineer) nufacturing plant where the fitting is produced)	NASHUNUT INC.
of:	Ashcroft Inc.	,	
		of manufacturer)	
loc	250 East Main St., Stratford (Plant Address – Apt/Street)	I, CT 06614-5145, USA (City,Prov)	(Postal Code)
			o the Saskatchewan Boiler and Pressure
	Comply with the requirements of	(title of recognized North American Standar	which specifies the dimensions,
	Materials of construction, pressure	(title of recognized North American Standar e / temperature ratings and identifie	cation marking of the fittings, or
(	, ,	•	tandard and are therefore manufactured
	to comply with ASME B31.3-2020		as supported by the attached
	for such ratings, and the marking	•	sure / temperature ratings and the basis
ver	rther declare that the manufacturer of ified by the following authority, Lloyd hese fittings to the stated standard.	l's Register	as being suitable for the manufacturer
	support of this application, the following cope of registration: SOR-G-RE		r test data are attached:
	Declaration		
	CLARED before me at	In the	of
this	s <u>10</u> day of <u>May</u>	, 2022	Jarre X
-	(print name)	(Signatur	e)
(	Signature of Commissioner of Oaths)		
	Office Use Only		
	the best of my knowledge and belief, the a A B51, Clause 4.2, and is accepted for re		the Boiler and Pressure Vessel Safety Act and
	Technical Safety Authority of Saskatchewan  Registration No. 0F8388.53	(Date Registered – MM DI (For the Administrator / Ch	, , , , , , , , , , , , , , , , , , , ,
	File No		
	Date: November 17, 2022		TSK-1008 Rev. 10/2012
	Expiry Date: April 11, 2032		Page 1 of 1



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Email: boilerpermits@tsak.ca

Website: www.tsask.ca

# **Statutory Declaration (Registration of Fittings)**

I. [	Declaration Information		
I,	Sergio Luis Capassi,	,,	In ASHCROFT"
	Engineering and Quality Manager		ma ap Trust the shield.
	(company title, e.g. vice presiden (must be in a position of authority in the manu		WILLY INSTRUMENTOS DE MEDIÇÃO E CONTROLE
of:	WILLY INSTRUMENTOS DE MEDICAO	E CONTROLE LTDA.	
	(name of	manufacturer)	
loca		a - 09520-000 - São Caetano do Sul/SP Brasil	(D-4-1 O-4-)
	(Plant Address – Apt/Street) solemnly declare that the fittings listed sel Safety Act (check one)	(City,Prov) hereinunder, which are subject to the <i>Saska</i>	(Postal Code)  atchewan Boiler and Pressure
0	Comply with the requirements of	whic	h specifies the dimensions,
	-	(title of recognized North American Standard) / temperature ratings and identification mark	·
•	Are not covered by the provisions to comply with ASME B31.3-2020;	of a recognized North American standard and ASME B40.100	d are therefore manufactured as supported by the attached
	data which identifies the dimension for such ratings, and the marking of	s, materials of construction, pressure / temp f the fittings for identification.	erature ratings and the basis
verif	fied by the following authority, <u>Burea</u> nese fittings to the stated standard. T	hese fittings is controlled by a quality contro Veritas as bein ne fittings covered by this declaration, for wh	g suitable for the manufacturer
	upport of this application, the following ope of registration SOR-G-REV	information, calculations and / or test data a	are attached:
II.	Declaration		
	CLARED before me at Sao Caetano do Su	I, State of SP In the country	of Brazil
	22 1 (12) 201010 III0 dt	ay 2022	
this	aay or	, <u>2022</u>	10.
	ergio Luis Capassi orint name)	(Signature)	
(S	ignature of Commissioner of Oaths)		
	,		-
To th	Office Use Only ne best of my knowledge and belief, the a x B51, Clause 4.2, and is accepted for reg	oplication meets the requirements of the <b>Boiler a</b> sstration in Category	nd Pressure Vessel Safety Act and
	Technical Safety Authority of Saskatchevvan  0F8388.53	(Date Registered – MM DD YYYY) (For the Administrator / Chief Inspector)	(Expiry Date – MM DD YYYY)
	File No13350		