



14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario
Canada M8X 2X4
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772
www.tssa.org

January 21, 2014

CHRISTIAN BLATHERWICK
ASHCROFT INC.
250 E MAIN STREET
STRATFORD CT 06614
US

Service Request Type: BPV-Fitting Registration
Service Request No.: 1320482
Your Reference No.: ISO-RING TYPE 80, TYPE 81
Registered to: ASHCROFT INC.

Dear CHRISTIAN BLATHERWICK,


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

CRN No.: 0F16596.5
Main Design No.: Ashcroft ISO-RING Type 80 (Wafer) & Type 81 (Bolt Thru)
Expiry Date: 21-Jan-2024

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. 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,



Mark Valcic P. Eng.
Engineer BPV
Tel.: 416-734-3494
Fax: 416-231-6183
Email: mvalcic@tssa.org

250 East Main Street

Stratford, CT 06614

USA

Tel: 203-378-8281

Fax: 203-385-0408

Email: info@ashcroft.com

www.ashcroftinc.com

Ms. Cathy Turylo
Manager, Engineering Services
Boilers and Pressure Vessels Safety
Technical Standards & Safety Authority
3300 Bloor Street West
14th Floor, Centre Tower
Toronto, Ontario
Canada M8X 2X4

December 4, 2013

CRN: OF16596.5

RE: National Registration Addendum ISO-Ring products Type 80, Type 81

Dear Ms. Turylo,

The attached forms are in support of national registration of above captioned Canadian Registration per CSA B51, Category F Fittings.

Please find enclosed the following documentation:

1. TSSA Registration Service Application (1 original)
2. Statutory Declarations for TSSA, ABSA, and the Uniform Statutory Declaration Form, Manitoba Statutory Declaration form (2 originals of each signed and notarized)
3. Proof of Quality Control Certificates
4. Design calculations (8 sets of documentation)
5. Scope of Registration summary
6. Expedited engineering services request (1 copy)

Yours Truly,



Christian Blatherwick
Project Engineer
203-385-0342 (Phone)
203-385-0347 (Fax)
christian.blatherwick@ashcroft.com

ASHCROFT

HEISE

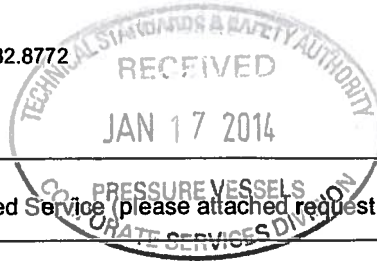
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Technical Standards and Safety Authority
 14th Floor - Centre Tower
 3300 Bloor Street West
 Toronto, Ontario M8X 2X4
 Customer Service: 1.877.682.8772
 Fax: 416.231.6183
 www.tssa.org



Mail

**National Design Registration
 Application for a CRN**
Technical Standards and Safety Act
 Boilers and Pressure Vessels Regulation

INTAKE GROUP	
Date:	
SR #:	1320482-ONT
Agent:	1320486-MATV

Date of Application (mm/dd/yyyy): 12/10/13

Expedited Service (please attached request form)

Please indicate the type of design: Boiler Pressure Vessel Fitting

Existing CRN: _____ (if applicable)

Section A: Submitter	Section B: Invoicee	Same as: <input checked="" type="checkbox"/> A <input type="checkbox"/> C <input type="checkbox"/> D
Company Name: Ashcroft Inc.	Company Name:	
Address: 250 East Main Street	Address:	
City/Town: Stratford Province/State: CT	City/Town: Province/State:	
Postal/Zip Code: 06614 Country: USA	Postal/Zip Code: Country:	
Telephone: 203-385-0342 Fax: 203-385-0347	Telephone: Fax:	
Contact Name: Christian Blatherwick, Project Engineer	Contact Name:	
E-mail: christian.blatherwick@ashcroft.com	E-mail:	
Job No./Reference: ISO-Ring Type 80, Type 81	Purchase Order No.:	
Drawing/Catalog No.: ISO01-REV0; SOR-ISO01-REV0		

Acct/Cust No.: <u>A 18746 e. 48423</u>	Acct/Cust No.:		
Section C: Owner of Design/CRN	Section D: Manufacturer	Same as: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> D	Same as: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C
Company Name:	Company Name: <u>Stratford, CT</u>		
Address:	Address: <u>Brazill</u>		
City/Town: Province/State:	City/Town: Province/State:		
Postal/Zip Code: Country:	Postal/Zip Code: Country:		
Telephone: Fax:	Telephone: Fax:		
Contact Name:	Contact Name:		
E-mail:	E-mail: <u>18746 e. 48423</u>		
Acct/Cust No.:	Acct/Cust No.: <u>418280 e. 794167</u>		

Registration required in the following jurisdictions:

<input checked="" type="checkbox"/> Ontario	<input checked="" type="checkbox"/> Saskatchewan	<input checked="" type="checkbox"/> New Brunswick	<input checked="" type="checkbox"/> Newfoundland and Labrador
<input checked="" type="checkbox"/> British Columbia	<input checked="" type="checkbox"/> Manitoba	<input checked="" type="checkbox"/> Nova Scotia	<input checked="" type="checkbox"/> Yukon
<input checked="" type="checkbox"/> Alberta	<input checked="" type="checkbox"/> Quebec	<input checked="" type="checkbox"/> Prince Edward Island	<input checked="" type="checkbox"/> Northwest Territories
			<input checked="" type="checkbox"/> Nunavut

Deposit included: CDN \$600.00 - Ontario and up to 2 additional provinces CDN \$1,200.00 - Ontario and 3 or more additional provinces

Cheque No. _____ Amount \$ _____

(Deposit to be applied to the incurred fees when all jurisdictions are complete – any charges over and above deposit amount will be invoiced at that time.)

Return mail address: A B C Optional: Courier Collect Courier name: _____

Account No.: _____

Signed: [Signature] Date (mm/dd/yyyy): 12/10/13

Date: <u>Jan 21, 2014</u> (mm/dd/yyyy)	Reviewing Engineer: <u>Mark Valcic</u>	CRN Issued: <u>0F16596.5</u>
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TECHNICAL STANDARDS & SAFETY AUTHORITY
 14th Floor, Centre Tower
 3300 Bloor Street West
 Toronto, Ontario
 Canada M8X 2X4

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, Philip Reed Quality Assurance Manager
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Ashcroft, Inc
(Name of Manufacturer)

Located at 250 Main Street, Stratford, CT, USA 203-385-0318 203-385-0662
(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 ASME B31.3
(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 9001:2008 which has been verified by the following authority, Lloyd's Register Quality Assurance

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:

ISO-RING, TYPE 80 (WAFER), TYPE 81 (BOLT THRU); scope of registration summary: SOR-ISO01-REV0
(drawings, calculations, test reports, etc.)

Declared before me at Stratford, CT in the County of Fairfield.
 the 8 day of January AD 20 14.

Commissioner for Oaths:

Olimpia DeCrescenzo
(Printed name)

O.M. DeCrescenzo
(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 F1.

CRN: OF16596.5
 Registered by: MARK VALCIC, P.ENG
 Dated: JAN 21, 2014

NOTE: This registration expires on JAN 21, 2014

Technical Standards and Safety Authority **Boilers and Pressure Vessels Safety Program**

REGISTERED

C.R.N.: OF16596.5

Signed: [Signature]

Date: JAN 21, 2014

PV 09553 (06/04) NOTE: SEE ATTACHMENT FOR DETAILS. Mark Valcic Jan 21/14

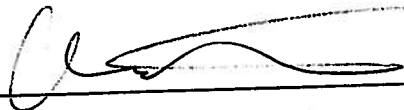
ASHCROFT Incorporated
250 Main Street, Stratford, CT, 06614, USA

SOR-ISO01-REV0 Ashcroft ISO-RING Type 80 (Wafer), Type 81 (Bolt Thru)

ISO-Ring Products	Materials of construction	Max. Pressure (psi)	Max. Temp. (°F)	Code of Construction
Type 80 (Wafer)	A 240, 316L UNS S31603	750	-20 to 750 [3]	ASME B31.3 - 2012
Type 81 Class 150 (Bolt thru)		290		
Type 81 Class 300 (Bolt Thru)	A 516 GRADE 70 UNS K02700	750		

1. Consult manufacturer before use
2. Consult catalogue for intermediate temperatures and pressures and other options
3. A240 316L UNS S31603 permissible lower temperature -70 °F.
4. Based upon ISO01-REV0 code calculations.

Approved by: Chris Blatherwick

Signed: 

Date: 12/10/13

THIS IS PART OF
CRN 0716596.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program
Wale Jm 21/14



TECHNICAL STANDARDS & SAFETY AUTHORITY
 14th Floor, Centre Tower
 3300 Bloor Street West
 Toronto, Ontario
 Canada M8X 2X4

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, Philip Reed Quality Assurance Manager
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Willy Instrumentos De Medicao E Controle LTDA.
(Name of Manufacturer)

Located at Rua Joao Pessoa, 620, Centro, 09520-000 - Sao Caetano Do Sul/SP, Brazil 203-385-0318 203-385-0662
(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 ASME B31.3
(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 9001:2008 which has been verified by the following authority, Bureau Veritas.

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:

ISO-RING, Type 80 (WAFER), TYPE 81 (BOLT THRU), scope of registration summary SOR-ISO01-REV0
(drawings, calculations, test reports, etc.)

Declared before me at Stratford in the State of CT

the 8 day of January AD 20 14.

Commissioner for Oaths:

Olimpia De Crescenzo
(Printed name)

O.M. De Crescenzo
(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: OF16596.5

Registered by: MARK VALCIC, P.Eng.

Dated: JAN 21, 2014

NOTE: This registration expires on JAN 21, 2024

Technical Standards and Safety Authority **Boilers and Pressure Vessels Safety Program**

REGISTERED

C.R.N.: OF16596.5

Signed: [Signature]

Date: JAN 21, 2014

PV 09553 (06/04) NOTE: SEE ATTACHMENT FOR DETAILS. [Signature] JAN 21/14


ASHCROFT Incorporated
250 Main Street, Stratford, CT, 06614, USA

SOR-ISO01-REV0 Ashcroft ISO-RING Type 80 (Wafer), Type 81 (Bolt Thru)

ISO-Ring Products	Materials of construction	Max. Pressure (psi)	Max. Temp. (°F)	Code of Construction
Type 80 (Wafer)	A 240, 316L UNS S31603 A 516 GRADE 70 UNS K02700	750	-20 to 750 [3]	ASME B31.3 - 2012
Type 81 Class 150 (Bolt thru)		290		
Type 81 Class 300 (Bolt Thru)		750		

1. Consult manufacturer before use
2. Consult catalogue for intermediate temperatures and pressures and other options
3. A240 316L UNS S31603 permissible lower temperature -70 °F.
4. Based upon ISO01-REV0 code calculations.

Approved by: Chris Blatherwick

Signed: 

Date: 12/10/13

THIS IS PART OF
CRN 0716596.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program
W. White Jan 21/14