



To:	TSSA	From:	Janet Townsend
Company:	The Clark-Reliance Corporation	Phone:	416-747-4291
Pages:	6	Location:	Toronto
Our File:	ANR-3449	Date:	February 20, 2015

Your File: 1569034

Subject: Request for Design Registration

Dear Ms. Francis,

CSA has reviewed the documentation submitted by TSSA on behalf of The Clark-Reliance Corporation. These fittings have been registered by CSA for the Province of Québec. In accordance with an agreement between CSA, the Provinces of Québec and Saskatchewan; this registration is recognized by Quebec and Saskatchewan. These fittings are acceptable for use in these Provinces. The letters CSA will be applied as a prefix to the CRN indicate which fittings have been registered in this manner. A copy of the stamped Statutory Declaration is attached.

The CRN is CSA-0H17409.56.

The cost for this service is \$ 760.00 plus HST.

A copy of the Statutory Declaration with an original stamp affixed will be forwarded to you along with our invoice by regular mail.

Yours truly

A handwritten signature in blue ink that reads 'Janet Townsend'.

Janet Townsend

Account Manager

CSA Group

janet.townsend@csagroup.org

www.csagroup.org



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

JACOBY-TARBOX® or

A PRODUCT OF CLARK-RELIANCE



or JRG/JT or JT

STATUTORY DECLARATION Registration of Fittings

I, Steven R. McGuigan, Research and Development Manager
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of The Clark-Reliance Corporation
(Name of Manufacturer)

Located at 16633 Foltz Parkway, Strongsville, OH 44149 USA +1 (440) 591-9503
(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 B16.5, B31.1, B31.3, B16.24

(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 ISO9001:2008 which has been verified by the following authority, HSB Registration Services

The items covered by this declaration, for which I seek registration, are category H type fittings. In support of this application, the following information and/or test data are attached as follows:
ISO Certificate, CSA-B51-09 Certificate, See index of attachments page

(drawings, calculations, test reports, etc.)

Declared before me at CLARK-Reliance in the State of OHIO
the 9th day of December AD 2014.

Commissioner for Oaths:

Christine McCombs
(Printed name)

Christine McCombs
CHRISTINE MCCOMBS
NOTARY PUBLIC, LORAIN COUNTY, OHIO

St. R. McGuigan
(Signature of Declarer)

MY COMMISSION EXPIRES 9 JULY 2015 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 H

CRN: CSA-OH17409.56

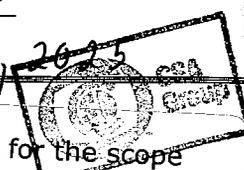
Registered by: B. SANDHU

Dated: FEB. 12. 2015

NOTE: This registration expires on Jan. 19, 2025

CSA Group
REGISTERED
C.R.N.: CSA-OH17409.56
Signed: Bikramjit Anand
Date: 12 Feb 2015
178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

***Note:** See the attachment for the scope of the registration



Jacoby-Tarbox Eductor CRN - Material Data & Scope Definition

CRN-ED-MTL Rev 3

Date: January 17, 2015

Material	ASTM	Grade	ASME Standard	Max Press. @ 100F (38C)		Max Temp.		Size Range
	Spec			psig	Bar g	F	C	
Carbon steel	ASTM A216	WCB	ASME B16.5	285	19.7	500	260	1/2" through 4"
316 SS	ASTM A351	CF8M	ASME B16.5	275	19.0	500	260	1/2" through 4"
B62 Bronze	ASTM B62	(UNS C83600)	ASME B16.24	225	15.5	450	232	1/2" through 2"
Alternates								
B61 Bronze	ASTM B61	(UNS C92200)	ASME B16.24	225	15.5	450	232	1/2" through 2"
Alloy Steel	ASTM A352	LCB	ASME B16.5	265	18.3	500	260	1/2" through 4"
Alloy Steel	ASTM A352	LCC	ASME B16.5	290	20.0	500	260	1/2" through 4"
Alloy Steel	ASTM A217	WC6	ASME B16.5	290	20.0	500	260	1/2" through 4"
Alloy Steel	ASTM A217	WC9	ASME B16.5	290	20.0	500	260	1/2" through 4"
Alloy Steel	ASTM A217	C5	ASME B16.5	290	20.0	500	260	1/2" through 4"
304 SS	ASTM A351	CF8	ASME B16.5	275	19.0	500	260	1/2" through 4"
304L SS	ASTM A351	CF3	ASME B16.5	275	19.0	500	260	1/2" through 4"
316L SS	ASTM A351	CF3M	ASME B16.5	275	19.0	500	260	1/2" through 4"
317 SS	ASTM A351	CG8M	ASME B16.5	275	19.0	500	260	1/2" through 4"
Duplex	ASTM A351	CK3MCuN	ASME B16.5	290	20.0	500	260	1/2" through 4"
Duplex	ASTM A351	CD3MWCuN	ASME B16.5	290	20.0	500	260	1/2" through 4"
Duplex	ASTM A351	CE8MN	ASME B16.5	290	20.0	500	260	1/2" through 4"
Duplex	ASTM A351	CD4MCu	ASME B16.5	290	20.0	500	260	1/2" through 4"
Super Duplex	ASTM A351	CN3MN	ASME B16.5	260	17.9	500	260	1/2" through 4"
Alloy 20	ASTM A351	CN7M	ASME B16.5	230	15.9	500	260	1/2" through 4"



ATTACHMENT TO
C.R.N. CSA-0H17409.56
 Signed: P. B. Ramjit Sandhu
 178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

THIS IS PART OF
CRN 0H17409.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

**HSB REGISTRATION SERVICES
595 E. SWEDES FORD ROAD
WAYNE, PENNSYLVANIA 19087**

Certificate of Registration

This is to certify that:

**Clark-Reliance Corporation
Main Office**

16633 Foltz Parkway, Strongsville, OH 44149

16433 Foltz Parkway, Strongsville, OH 44149

Innovation Machining Center

5656 Innovation Drive, Valley City, Ohio 44280

Has established and applied a Quality Management System for:

**Design, Development, Production and Installation of
Fabricated Metal Products and After Market Filter
Products Associated with the Power and Process Industry**

*Proof has been furnished that the requirements according to
ISO 9001:2008
are fulfilled.*

EA Code: 17

Certificate Number: HQ Q 218

Initial Audit Date: November 18, 1998

Effective Date: February 18, 2014

Expiration Date: February 17, 2017

Revision Date:




Signed on behalf of HSB Registration Services

Certificate Number: HQ Q 218

Page 1 of 1



Certificate of Achievement

Awarded To:

Clark Reliance Corporation

*16633 Foltz Parkway
Strongsville, Ohio 44149*

*For the successful quality program audit to the
requirements of CSA-B51-09 Annex F*

**Scope: Construction of Pressure Vessel and Assembly of
associated Pressure Piping**

*Certificate Issued: March 2011
Certificate Expires: March 2016*

A handwritten signature in cursive script that reads "Catherine A. Coseno". The signature is written in black ink and is positioned above a horizontal line.

*Catherine A. Coseno
Vice President – Code Services*

*Audit performed by:
James Gurganus
The Hartford Steam Boiler
Inspection and Insurance Company of
Connecticut.*



Saskatchewan
Municipal
Government

Saskatchewan

Protection Services
330 - 1851 Victoria Avenue
Regina, Saskatchewan
S4P 3V7

787-4509

April 23, 1998

Re: Fittings Registration

The Province of Saskatchewan will be participating with Quebec, Manitoba and the Canadian Standards Association (CSA) in a pilot project for the registration of fittings. We will recognize registrations done by CSA and accept such fittings for use in Saskatchewan.

The letters CSA will be applied as a prefix to the CRN to indicate which fittings have been registered in this manner. I would appreciate if you could inform your clients of this additional marking requirement.

You may also inform your clients that fittings registered by CSA are accepted for use in Saskatchewan.

Yours truly,

N. Surtees, P. Eng.
Executive Director