



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

June 01, 2015

STEVEN MCGUIGAN
CLARK-RELIANCE CORP
16633 FOLTZ INDUSTRIAL PKWY
STRONGSVILLE OH 44149
US

Service Request Type.: BPV-National MB
Service Request No.: 1569038
Your Reference No.: JT EDUCTORS
Registered to.: CLARK-RELIANCE CORP

Dear STEVEN MCGUIGAN,

Please find enclosed the original response from MB, registered under the CRN No.: 0H17409.54.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_ BPV Engineering
Tel. 416-734-3423
Fax 416-231-6183
Email :tfrancis@tssa.org



Inspection and Technical Services Manitoba
500 - 401 York Avenue
Winnipeg Manitoba R3C 0P8
T (204) 945-3373
F (204) 948-2309
www.firecomm.gov.mb.ca/codes_steam_pressure.html

April 7, 2015

TSSA
3300 Bloor St. W, Center Tower, 14th Floor
Toronto, ON
M8X 2X4

Attn: Tanya Francis

REGISTRATION OF VALVES AND FITTINGS

Manufacturer: CLARK-RELIANCE CORP.

The design(s) for the following Valves/Fittings has been received by us and has been examined and accepted for registration in the Province of Manitoba as follows.

DRAWING / CATALOGUE	CRN	FILE
Scope: CRN-ED-MTL REV. 3; Models: SL, ML, HL, SG, HG, MLE, MLH & VLJ.	0H17409.54	35006

An invoice covering survey and registration fees is enclosed.

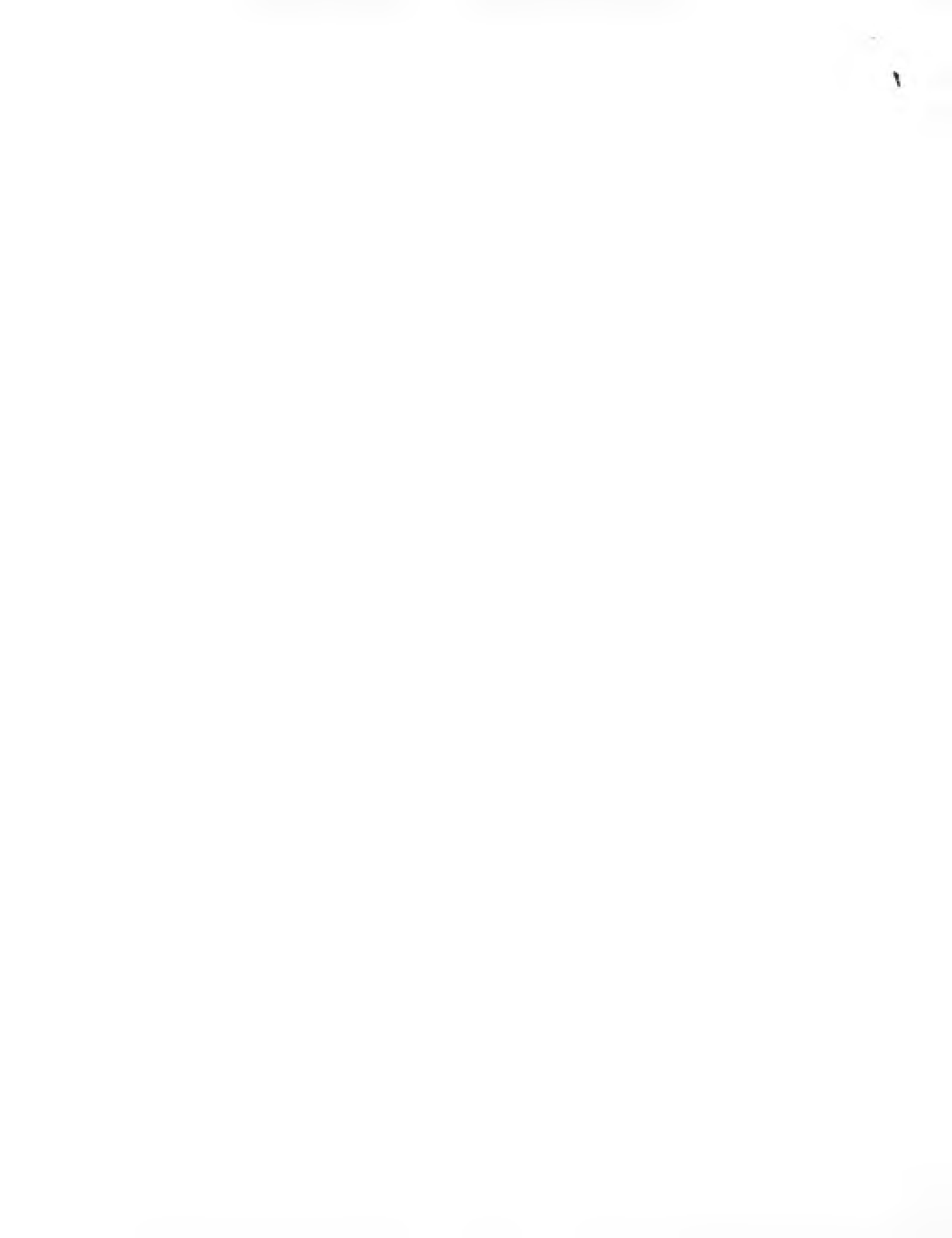
NOTE: CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: TSSA. See attached stamped "this is part of CRN" for scope of registration. This registration expires January 19, 2025.

This registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

The registration of this design does not relieve the manufacturer, the owner or his agent of the responsibility for the design or construction of a fitting in accordance with the applicable Acts, Codes and Standards. Inspection and Technical Services assumes no responsibility by registering designs, examining plans and/or inspecting equipment or facility.

Yours truly,

Ryan Orlesky, C.E.T.
Design Surveyor
Office of the Fire Commissioner
Inspection and Technical Services Manitoba
500 - 401 York Avenue
Winnipeg, Manitoba, R3C 0P8
Phone: 204-945-3373
Email: ryan.orlesky@gov.mb.ca





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
 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 - LOUISIANA

[Signature]
(Signature of Declarer)

MY COMMISSION EXPIRES 9 JULY 2016 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: 0417409.54
 Registered by: RYAN ORLESKY
 Dated: APRIL 7, 2015



NOTE: This registration expires on JAN 19, 2025



**CERTIFIED
TRUE COPY**

Date: Jan 19/15

Signature: [Handwritten Signature]

Colleen Anne Ratcliff, a Commissioner, etc.,
City of Toronto, for the Technical Standards
& Safety Authority.
Expires July 24, 2016.

Jacoby-Tarbox Eductor CRN - Material Data & Scope Definition

CRN-ED-MTL Rev 3

Date: January 17, 2015

Material	ASTM Spec	Grade	ASME Standard	Max Press. @ 100F (38C)		Max Temp.		Size Range
				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"



