



**Celebrating 20 years
1995 – 2015**

**9410 - 20 Ave N.W.
Edmonton, Alberta, Canada T6N 0A4
Tel: (780) 437-9100 / Fax: (780) 437-7787**

February 14, 2015

Attention: Tanya Francis
TECHNICAL STANDARDS & SAFETY AUTHORITY
3300 BLOOR STREET WEST
14 FLOOR CENTRE TOWER
TORONTO, ON M8X 2X4

The design submission, tracking number 2015-00951, originally received on February 04, 2015 was surveyed and accepted for registration as follows:

CRN : 0H17409.52

Accepted on: February 14, 2015

Reg Type: New Design

Expiry Date: January 19, 2025

Drawing No. : SCOPE CRN-ED-MTL Rev 3 As Noted

Fitting type: EDUCTORS

Design registered in the name of : CLARK-RELIANCE CORPORATION

Description	MAWP	Design Temperature
se scope for rating		

The registration is conditional on your compliance with the following notes:

"This submission has been accepted for registration based review and acceptance of the design under CRN 0H17409.5 by another jurisdiction, in accordance with the Association of Chief Inspectors Policy on Reciprocal Recognition of Design Review for Fitting Design Registration."

This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form. This registration is valid only 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.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

Sincerely,

GRYNCHUK, MILLA



STATUTORY DECLARATION Registration of Fittings

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.

JACOBY-TARBOX®
A PRODUCT OF CLARK-RELIANCE

or



or

JRG/JT

or

JT

I, Steven R. McGuigan,
Research and Development Manager
 (company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)
 of The Clark-Reliance Corporation
 (name of manufacturer)
 located at 16633 Foltz Parkway, Strongsville, OH 44149 USA
 (plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- ☒ comply with the requirements of ASME B16.5 & 24, B31.1, B31.3 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 _____ 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 manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, HSB Registration Services as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are Category H

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

See Index of attachments for complete design package documents

DECLARED before me at CLARK-Reliance in the State of OHio
 this 9th day of December, 2014
 (Month) (Year)
 (print) Christine McCombs
 (sign) Christine McCombs
 (A Commissioner for Oaths)

Steven R. McGuigan
 (Signature of Applicant)
 MY COMMISSION EXPIRES JANUARY 2015
 COUNTY PUBLIC, LOHAIN COUNTY, OHIO
 CHRISTINE MCCOMBS

For Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category H

Registration Number: OH 17409.52

Date Registered: FEB 14 2015

(For the Administrator/Chief Inspector of Alberta)

Expiry Date: 2025-01-19

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"

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

models :
SL, ML, HL, SB, H & MLE,
MLH, VLS.
LW

ASNA
SAFETY CODES ACT - PROVINCE OF ALBERTA
REGISTRATION OF FITTINGS
0H17409.52
REGISTRATION NO.
DWG. NO. or CAT. NO. *scope CRN-ED-MTL, Rev 3*
TYPE OF FITTINGS *Eductors*
FEB 14 2015
Date
INITIALS
MILLA GRAYNICHUK, P.Eng.
DESIGN SURVEY ENGINEER