



REGISTRATION OF A PRESSURE FITTING DESIGN

May 22, 2025

TSSA
345 Carlingview Dr.
Toronto, ON
Canada
M9W 6N9

Attention: Cecylia Garbacz

File Number: 102917

Re: Manufacturer: Clark Reliance

Item: Transmitters

Catalog or Drawing: Per Scope of Registration & Cover Letter

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:

0F11916.53

Expiry Date: 2027-10-23

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:

Addition to existing registration. Addition of new company logos and changes to product nomenclature.

Conditional upon compliance with the notes on the revised TSSA registration.

A valid quality control program must be maintained at the production facility for the fitting registration to remain valid until the expiry date.

NOTE: You cannot save the DATA you entered on this form, you must print a copy and FAX it or MAIL it!



Technical Standards and Safety Authority
345 Carlingview Drive
Toronto, Ontario M9W 6N9
www.tssa.org

Sho

will

JERGUSON
A PRODUCT OF CLARK-RELIANCE

PENBERTHY

ERNST
INSTRUMENTS

STATUTORY DECLARATION Registration of Fittings

I, JASON HUFF, MANAGER OF QA, QUALITY CONTROL

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of CLARK RELIANCE LLC

(Name of Manufacturer)

Located at 16633 FOLTZ PARKWAY, STRONGSVILLE, OH 44149

(Plant Address)

440-227-0966

(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

(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 Mfg's Std/ASME as applicable 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

which has been verified by the following authority, HSB Registration Services

The items covered by this declaration, for which I seek registration, are category F type fittings. In support of this application, the following information and/or test data are attached as follows:

Product Literature, Drawings, Calculations

(drawings, calculations, test reports, etc.)

Declared before me at CLARK RELIANCE LLC in the State of OHIO

the 4th day of March AD 20 25

Commissioner for Oaths:

Christine McCombs

(Printed name)

Christine McCombs

(Signature)



CHRISTINE MCCOMBS
Notary Public
State of Ohio
My Comm. Expires
July 9, 2025

[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 _____.

CRN: _____

Registered by: _____

Dated: _____

		Technical Safety Authority of Saskatchewan
Registration No.	<u>0F11916.53</u>	
File No.	<u>102917</u>	
	☒ Registered	
Date:	<u>May 22, 2025</u>	
Expiry Date:	<u>October 23, 2027</u>	
Codes & Standards Compliance Office		

NOTE: This registration expires on: _____

*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.

Products for Registration

In Red are the following are the Jerguson **[Penberthy]** products for which design registration is sought:
[***NOTE: For all Penberthy Additions, designated by red Brackets [...], there is no design change. These are pure rebrands of existing approved products.]

In Blue are the following are the Ernst Instruments **(Ernst Instruments)** products for which design registration is sought: [***NOTE: For all Ernst Instruments Additions, designated by blue Parentheses (...), there is no design change. These are pure rebrands of existing approved products.]

Flat Glass Gages Series

300L (H12-R, H12-T)
20 / EFI S, EFI ST, EFI X, EFI XT (H13B-R, H13B-T)
30
32 (H14B-R, H14B-T)
40 [H]
51
L10 [LC]
103R
R103R
103T
R103T
123R
R123R
123T
R123T
SG - # - # - 9B
RJSG - # - # - 9B
SG - # - # - 11B
RJSG - # - # - 11B
SG - # - # - 16B
RJSG - # - # - 16B
W20 [MW] / EFI S-1100W-1108W, EFI ST-1200W-1208W (H11B-R, H11B-T)
W300L
RW400

 Technical Safety Authority of Saskatchewan	
Registration No.	0F11916.53
File No.	102917
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Codes & Standards Compliance Office	

Flat Glass Gage Valves Series

60 / EFI 423-426, EFI 433-436 (V11B-460)
70
70L [720 / 730 / 520 / 530]
70H
84H
87H
80H
80HO
80V
80VO
90
140 / EFI 323-326, EFI 331-336 (V11B-450)



360
633
R633
637
R637
739
R739
7311
R7311
7325
R7325

	Technical Safety Authority of Saskatchewan
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Tubular Gages and Valves Series

56 [N2] / EFI 243-246 (T16-432, T16-433)
125
136 [K2] – EFI 203-206 (T16-430, T16-431)
VA
VB
VC
VE

THIS IS PART OF CRN

0F11916.5ADD4

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

Magnicator / EFI Magna

MII - # - # - # - # - # - # - # - # - # - #
MII - EFI - MAGNA - # - # - # - # - # - # - # - # - # - #
[PMG - # - # - # - # - # - # - # - # - # - #]
(F11, F12, F13, F14)

Mini-Magnicator / EFI Mini-Magna

MM - # - # - # - # - # - # - # - # - # - #
MM4 - EFI - MINI - MAGNA - # - # - # - # - # - # - # - # - # - #
(F21, F22, F23, F24)

MGWR Chamber

MGWR - # - # - # - # - # - # - # - # - # - #

Bypass Chamber

BPC - # - # - # - # - # - # - # - # - # - #

Anderson Separators® Clark Steam Traps™ Ernst Flow Industries® Enervac™ HYCOA® Jacoby-Tarbox®
Jerguson® Magne-Sonics® National Filtration Systems® Oil Filtration Systems® Reliance® Boiler Trim™

February 13, 2025

Dear TSSA Design Review Engineer:

Clark Reliance (42800) recently acquired the “Penberthy” brand name as part of an acquisition. We would like to add the Penberthy brand to our current Category F CRN’s (see Design Registration attachment) and update them with Penberthy-brand specific model numbers. [While the CRN is being updated, we would also like to add the Ernst Instruments brand and the related brand-specific model numbers \(no new designs are involved\).](#)

The designs will not change at all, just the labeling.

As shown in the marked-up Design Registration (CRN 0F11916.5R1), we would like to:

- Add the **Penberthy** / **Ernst Instruments** logos to the Statutory Declaration
- Change “300L” to “300L / **H12-R, H12-T**”
- Change “20 / EFI S, EFI ST, EFI X, EFI XT” to “20 / EFI S, EFI ST, EFI X, EFI XT / **H13B-R, H13B-T**”
- Change “32” to “32 / **H14B-R, H14B-T**”
- Change “40” to “40 / **H**”
- Change “L10” to “L10 / **LC**”
- Change “W20 / EFI S-1100W-1108W, EFI ST-1200W-1208W” to “W20 / EFI S-1100W-1108W, EFI ST-1200W-1208W / **MW / H11B-R, H11B-T**”
- Change “60 / EFI 423-426, EFI 433-436” to “60 / EFI 423-426, EFI 433-436 / **V11B-460**”
- Change “70L” to “70L / **720 / 730 / 520 / 530**”
- Change “140 / EFI 323-326, EFI 331-336” to “140 / EFI 323-326, EFI 331-336 / **V11B-450**”
- Change “56 / EFI 243-246” to “56 / EFI 243-246 / **N2 / T16-432, T16-433**”
- Change “136 – EFI 203-206” to “136 / EFI 203-206 / **K2 / T16-430, T16-431**”
- Add “**PMG - # - # - # - # - # - # - # - # - #**” and “**F11, F12, F13, F14**” as additional options under “Magnicator / EFI Magna”
- Add “**F21, F22, F23, F24**” as additional options under “Mini-Magnicator / EFI Mini-Magna”

The current Design Registrations contain other Clark Reliance brand specific model numbers. The [new](#) model numbers we want to add are strictly to ensure continuity in the market. The similar Penberthy designs will be retired and the Clark Reliance designs will remain the same, only with Penberthy branding/labelling and model number designations.

We would like the Design Registrations to be updated across all provinces. Please advise if Annex B is required for British Columbia based on the limited scope of the revision request.

Thank you for your assistance with this matter!

Best Regards,

Scott Bly
Clark Reliance
Director of Engineering

 Technical Safety Authority of Saskatchewan	
Registration No.	0F11916.53
File No.	102917
Registered	
Date:	May 22, 2025
Expiry Date:	October 23, 2027
Codes & Standards Compliance Office	



REGISTRATION OF A PRESSURE FITTING DESIGN

April 8, 2025

TSSA
345 Carlingview Dr.
Toronto, ON
Canada
M9W 6N9

Attention: Cecylia Garbacz

File Number: 102652

Re: Manufacturer: Clark Reliance LLC

Item: Transmitters

Catalog or Drawing: MTT CRN Rev. 1

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:

0F11916.53

Expiry Date: 2027-10-23

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:

Addition to existing registration. Conditional upon compliance with the notes on the TSSA registration.

A valid quality control program must be maintained at the production facility for the fitting registration to remain valid until the expiry date.

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: Clark Reliance LLC

Manufacturers Address: 16633 Foltz Parkway, Strongsville, Ohio, 44149

Plant Locations: Strongsville, Ohio, USA

Category of Fittings to be registered. Circle one Category only

- A** Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers
B Flanges: all flanges
C Valves: all line valves
D Expansion joints, flexible connections, and hose assemblies: all types
E Strainers, filters, separators, and steam traps
F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters
G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs
H Pressure retaining components that do not fall into one of the above categories
N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ , (Meeting CNSC or ASME requirements)

Title of the Standard of Construction

Proprietary Standard supported by ASME; calculations where applicable

Show Manufacturers Name, Trademark, or Logo as it will appear on the product

ERNST
INSTRUMENTS

JERGUSON
A PRODUCT OF CLARK RELIANCE

PENBERTHY

Type of Construction

Forged ☐ Welded ☐ Wrought ☐
 Cast ☐ Other ☐
 Describe other:

List of supporting documentation and identification of the actual items to be registered:

Product Literature
 Drawings
 Calculations

Declaration:

I, Jason Huff (see note 3) employed by Clark Reliance LLC and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by HSB Registration Services as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]

Declared before me at CLARK RELIANCE LLC

This 4th day of MARCH AD 2025

Commissioner of Oaths

Or Notary Public: (sign) [Signature]

(Affix Official seal to the right)



CHRISTINE MCCOMBES
 Notary Public
 State of Ohio
 My Comm. Expires
 July 9, 2025

This space for Regulatory Authority use.

This registration must be revalidated after ten (10) years from the date of acceptance.

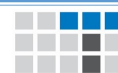
CRN: _____

FID#: _____

Notes:

- All Fittings shall be registered in the name of the Manufacturer.
- Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
- The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.
- Quality Control programs shall be resubmitted for validation.

11/2016



Technical Safety Authority of Saskatchewan

Registration No. OF11916.53

File No. 102652

Registered

Date: April 8, 2025

Expiry Date: October 23, 2027

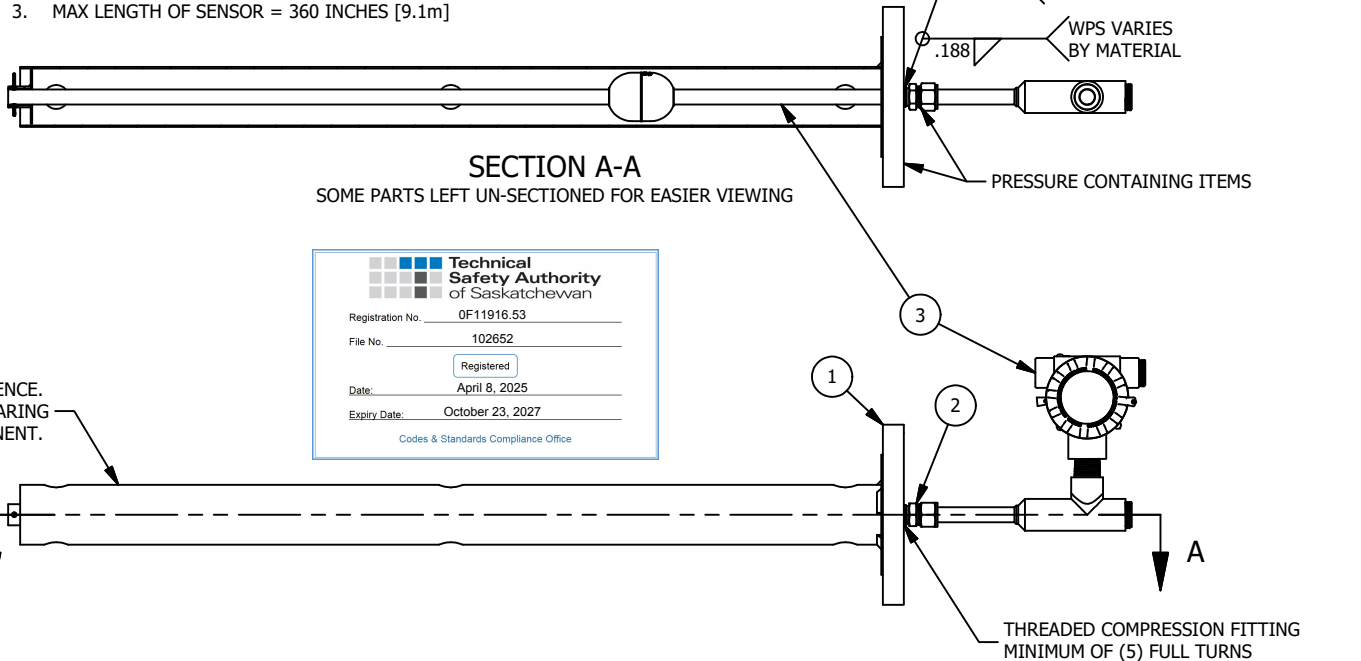
Codes & Standards Compliance Office

JMTT - ### - ###/#### - ### + #### - #### - ####
PMTT - ### - ###/#### - ### + #### - #### - ####

BILL OF MATERIAL				
NO.	PART NO.	REMARKS	MATERIAL	SPECIFICATION
1	VARIOUS FLANGES	SEE NOTE 2	SEE NOTE 2b	SEE NOTE 2b
2	COMPRESSION FITTING	SEE NOTE 3	316SS	
3	JMT OR PMT SERIES TRANSMITTER	SEE NOTE 4	316LSS	

MAGNETOSTRICTIVE TRANSMITTER, IN-TANK SERIES RATINGS

1. MAX TEMPERATURE: 300°F [140°C]
2. MAX PRESSURE: 750 PSI @ 100°F [5.2 MPa @ 37°C]
OPERATING PRESSURES DICTATE FLANGE RATING TO USE.
3. MAX LENGTH OF SENSOR = 360 INCHES [9.1m]



STILLING WELL SHOWN AS REFERENCE.
THIS IS NOT A PRESSURE BEARING
COMPONENT.



DRAWING NOTES:

1. ANY PART(S) SHOWN BUT NOT LISTED IN BOM ARE NON PRESSURE CONTAINING.
2. FLANGE INFORMATION:
 - a. OPERATING PRESSURE OF FLANGE CLASS, BY MATERIAL, SHALL EXCEED OPERATING PRESSURE AT OPERATING TEMPERATURE.
 - b. FLANGES MUST CONFORM TO ASME B16.5
3. COMPRESSION FITTING INFORMATION:
 - a. THROUGH BORE FOR Ø5/8" TUBING. WILL HAVE A 1/2" NPT OR 1/2" MALE SOCKET WELD.
 - b. TYPE OF COMPRESSION FITTING (NPT OR MSW) BASED ON OPERATING PRESSURE UP TO 750 PSI.
4. MAGNETOSTRICTIVE TRANSMITTER SENSOR INFORMATION:
 - a. Ø5/8" TUBING HAS .065 WALL WITH END WELDED TO PLUG MACHINED FROM 316LSS BAR.
 - b. ALL PRESSURE BOUNDARY WELDS HAVE LIQUID DYE PENETRATION TESTING (LDPT) PERFORMED.

1	01/22/2025	ADD IN NEW MODEL SERIES FOR PENBERTHY, ADJUSTED DRAWING NUMBER: CDC-25-007	TBL
0	08/28/2024	NEW RELEASE FOR CRN SUBMISSION.: CDC-24-186	TBL
REV	DATE	REVISION	BY



MAGNETOSTRICTIVE TRANSMITTER IN-TANK SERIES CRN INFORMATION

DRAWN: TBL	DRAWING NO.: #MTT CRN	REV.: 1
CHECKED: MBV		
DATE: 08/28/2024		
CDC: 1 CDC 25-007 : TBL : 01/22/2025		TOLERANCES (U.O.N.): 3 Decimal Places: ± .005" 2 Decimal Places: ± .010" Fractions: ± .015" Machined Holes: ± .005" Angles: ± 1° Finish Marks: ± .125 RMS See PES-004 for details
MATERIAL: SEE BOM		
PART NUMBER:		
N/A		

THIS DRAWING CONTAINS MATERIAL THAT IS CONFIDENTIAL AND/OR PRIVILEGED FOR THE SOLE USE OF THE INTENDED RECIPIENT. ANY REVIEW, RELIANCE OR DISTRIBUTION BY OTHERS OR FORWARDING WITHOUT EXPRESS PERMISSION IS STRICTLY PROHIBITED.