

July 16, 2025

Attention: Cecylia Garbacz
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

The design submission, Tracking Number 2025-03285, Web Portal Number 2025-S2694, originally received on May 15, 2025 was surveyed and accepted for registration as follows:

CRN : 0F11916.52 **Accepted on:** July 16, 2025
Reg Type: ADDITION TO ACC. FITTING **Expiry Date:** October 23, 2027
Drawing No. : Products for Registration & Cover Letter Attached As Noted
Fitting type: Level Gage
Design registered in the name of : CLARK RELIANCE LLC

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

- This revision of CRN includes update to CRN for inclusion of additional company logos and changes to product nomenclature. This registration does not cover new models, design or technical changes. Please see cover letter and updated scope attached as 'part of CRN' for further details.
- Per the manufacturer's confirmation, it is our understanding that the pressure ratings for tubular gauges limited by the tubular glass.

As indicated on Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction is ASME B31.3/ B31.1.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration or AB-351 Declaration of Conformity as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.
- 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 or AB-351 Declaration of Conformity form.
- This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, 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.

If you have any question don't hesitate to contact me by phone at (587) 943-8741 or fax (403) 291-4545 or e-mail Zhangl@absa.ca.

Sincerely,



ZHANG, LILI, P. Eng.
DOP Cert. No. D00010626

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 F

CRN: _____

Registered by: _____

Dated: _____

NOTE: This registration expires on: 2027-10-23

2025-03285

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: 0F11916.52

**See acceptance letter for
conditions of registration.**

Date: 2025-07-16

By: [Signature]

LILI ZHANG, P. Eng.
DOP: D00010626

This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

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

PV 09553 (04/17)

2025-03285



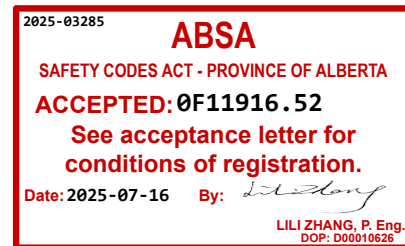
Products for Registration

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



This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

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)

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



360
633
R633
637
R637
739
R739
7311
R7311
7325
R7325

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

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 - # - # - # - # - # - # - # - # - #

2025-03285

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

2025-03285

Types & Connections to Suit All Requirements



No. 125
Straight pattern -
bar stock body
and seat



No. 136
Offset pattern
forged body
integral bonnet
and seat



No. 56
Offset pattern
forged body union
bonnet renewable
seat

These tubular glass gage cocks represent years of experience in the manufacture of gage cocks and offer a variety of types and connections to suit all requirements.

PRESSURE RATINGS

Maximum working pressure dependent on length and resultant pressure rating of glass. See table.

No. 125 Standard

- 1/2" & 3/4" non-union rigid vessel connection.
- Straight pattern body.
- Plain closing stem.
- Stainless steel ballcheck to shut-off in event of a tube breakage
- Valves can be used with 4 guard rods.

No. 136 Standard

- 1/2" or 3/4" NPT union gage connection.
- Integral bonnet.
- Plain closing stem only.
- Valves can be used with heavy duty plastic protector or 4 guard rods.
- Stainless steel ballcheck to shut-off flow in event of tube breakage.
- Offset bodies permit swabbing of glass when plugs are removed from vent and drain.

No. 56 Standard

- 1/2" or 3/4" NPT union gage connection.
- Renewable regrindable stainless steel seat.
- Sleeve construction to allow for optional:
 - (a) quick closing - 90° from full open to tight closing using lever and chain;
 - (b) backseating stem to protect packing
- Valves can be used with heavy-duty plastic protector or 4 guard rods.
- Stainless steel ballcheck to shut-off flow in event of tube breakage.
- Offset bodies permit swabbing of glass when plugs are removed from vent and drain.

Cut Lengths for Tubular Glass

Model	Centerline factor to calculate exact lengths					
	Visible Range		Tubular Glass		Guard Rods	
	in	mm	in	mm	in	mm
56	-4.625	-117	-1.375	-35	-2.125	-54
136	-4.625	-117	-1.375	-35	-2.125	-54
125	-3.750	-95	-1.875	-48	-2.125	-54

Liquid Level Valves

Options for #136 & #56 Tubular Gage Assemblies

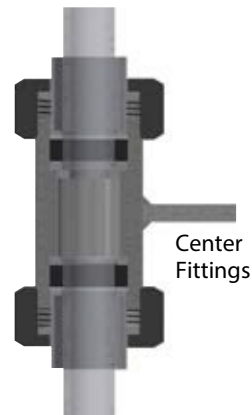


Plastic
Tubular
Guards

Standard
Guard
Rods

Guard Rods

- Standard
- Plastic Tubular



Center
Fittings

Center Fittings

Recommended for longer assemblies

- Max 144" centers with 2 center fittings
- 136 / 56 valves, 5/8" or 3/4" OD Glass
- CS/316SS and All 316SS options



Teflon® Packing

EPDM
Packing

Glass Packing

- Buna
- Teflon®
- EPDM – black rubber



Tubular
Glass

Tubular Glass Options

- Heat Treated High Pressure - 5/8" & 3/4"
- Pyrex® Red-Line - 5/8" & 3/4"
- Pyrex Heavy Wall - 3/4" Only
- Polycarbonate - 3/4" Only
- PCTFE - 3/4" Only

Maximum Working Pressures - High Pressure, Redline and Heavy Wall Glass										
Glass length (in)	Glass OD (in)	High Pressure			Redline			Heavy Wall		
		150 degF Max PSI	425 degF Max PSI	Steam Service Max PSI	150 degF Max PSI	425 degF Max PSI	Steam Service Max PSI	150 degF Max PSI	425 degF Max PSI	Steam Service Max PSI
8	5/8	435	320	300	370	285				
	3/4	425	315	300	360	280	600	350	300	
10	5/8	420	315	300	345	280				
	3/4	410	310	300	340	275	600	345	300	
12	5/8	410	305	300	335	280				
	3/4	400	300		330	275	600	340	300	
14	5/8	390	295		325	275				
	3/4	385	290		320	270	600	335	300	
16	5/8	375	285		315	270				
	3/4	370	280		310	265	600	325	300	
18	5/8	360	280		305	265				
	3/4	355	275		300	260	600	320	300	
20	5/8	350	270		290	265				
	3/4	345	265		285	260	600	315	300	
24	5/8	320	255		265	255				
	3/4	315	250		260	250	580	300		
30	5/8	280	not recommended		235	not recommended				
	3/4	275	not recommended		230	not recommended	550	not recommended		
36	5/8	245	not recommended		205	not recommended				
	3/4	240	not recommended		200	not recommended	500	not recommended		
48	5/8	195	not recommended		165	not recommended				
	3/4	190	not recommended		160	not recommended	340	not recommended		
60	5/8	150	not recommended		125	not recommended				
	3/4	145	not recommended		125	not recommended	N/A	N/A		
72	5/8	100	not recommended		90	not recommended				
	3/4	100	not recommended		90	not recommended	N/A	N/A		

HSB Registration Services

Certificate of Registration

This is to certify that:

Clark-Reliance, LLC
16633 Foltz Parkway, Strongsville, OH 44149

Has established and applied a
Quality Management System
for:

**Design, Development, Production of Fabricated Metal Products
and Design of Filters associated with the Power and Process
Industry**

***Proof has been furnished that the requirements according to
ISO 9001:2015
are fulfilled.***



Signed on behalf of HSB Registration Services

595 E. Swedesford Road Wayne, Pennsylvania 19087
Validity may be confirmed via email at ISO_Registrations@hsb.com

Certificate Number: Q 1718

IAF Code(s): 4,17,18,19

Initial Audit Date: June 6, 2019

Effective Date: July 2, 2025

Expiration Date: July 1, 2028



HSB's Accreditation No: MSCB-187

Certificate Number: Q 1718
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