

Montréal, 30 janvier 2024.

CECYLIA GARBACZ  
TECHNICAL STANDARDS & SAFETY AUTHORITY  
345 CARLINGVIEW DRIVE  
TORONTO ONTARIO  
CANADA M9W6N9

Fabricant : CLARK RELIANCE CORPORATION  
16633 FOLTZ INDUSTRIAL PARKWAY  
STRONGSVILLE OHIO  
U.S.A. 44149

Numéro de dossier : 944647

Numéro(s) de dessin(s) : RELIANCE CATEGORY F SCOPE OF REGISTRATION

### **Objet : Enregistrement des plans et devis – Confirmation de l'enregistrement**

Bonjour,

Nous vous informons que votre demande d'enregistrement de plans et devis a été traitée et que cette conception a été enregistrée sous le numéro d'enregistrement canadien (NEC\CRN) suivant : **OF16005.56**.

Nous portons votre attention sur certaines exigences réglementaires concernant les installations sous pression, ainsi que des codes et normes qui y sont associés :

- Le fabricant doit maintenir un programme de contrôle de la qualité valide pour fabriquer un équipement selon ce NEC;
- Ce numéro d'enregistrement demeure valide tant et aussi longtemps que les paramètres de conception demeurent inchangés. Dans le cas d'accessoires, l'enregistrement est valide pour une durée de 10 ans à partir de la date d'enregistrement. Les documents de conception doivent alors être resoumis pour validation;
- Le fabricant doit nous transmettre une copie de la *Déclaration de conformité du constructeur (Manufacturer's Data Report)* pour chaque appareil ou chaudière fabriqué selon ce NEC dans les 30 jours suivant la signature de cette déclaration;
- Le numéro de dessin enregistré et le numéro de révision doivent être indiqués sur la déclaration de conformité pour les équipements fabriqués selon ce NEC.

Le présent avis d'approbation ne dégage pas le fabricant de ses responsabilités quant à la conception ou à la construction des équipements ou d'accessoires fabriqués selon un NEC.

Salutations distinguées,

Bureau d'expertise et d'homologation en équipements sous pression

#### **Montréal**

255, boul. Crémazie Est, 2<sup>ième</sup> étage

Montréal (Québec) H2M 1L5

Téléphone : 514 873-2546

Sans frais : 1 866 262-2084

[enregistrementdesplans@rbq.gouv.qc.ca](mailto:enregistrementdesplans@rbq.gouv.qc.ca)

[www.rbq.gouv.qc.ca](http://www.rbq.gouv.qc.ca)

Montréal, le 30 janvier 2024.

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U.S.A. 44149

OUR REFERENCE : 944647

Design number : RELIANCE CATEGORY F SCOPE OF REGISTRATION

**Subject: Design registration confirmation**

Hi,

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0F16005.56.**

The following is a reminder of your obligations regarding certain requirements of the regulation respecting pressure vessels, and the referenced codes and standards:

- The manufacturer must maintain a valid quality control program to manufacture equipment according to the CRN.
- The CRN remains valid as long as there are no changes to the design calculations that might affect the pressure boundary. The design registration of fittings expires 10 years after acceptance. It must, therefore, be resubmitted for validation.
- The manufacturer shall submit a copy of the *Manufacturer's Data Report* to us for each boiler or pressure vessel manufactured according to this CRN within 30 days following the signing of this report.
- The drawing number and the revision number registered under this CRN must be indicated on the *Manufacturer's Data Report* for equipment manufactured according to the CRN.

This notice of approval does not relieve the manufacturer of their responsibilities with respect to the design or fabrication of equipment manufactured according to this CRN.

Yours sincerely,

Bureau d'expertise et d'homologation en équipements sous pression

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

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



## STATUTORY DECLARATION Registration of Fittings

I, Steve McGuigan, Senior Engineering Manager  
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Clark Reliance LLC  
(Name of Manufacturer)

Located at 16633 Foltz Industrial Parkway Strongsville Ohio 44039 440-572-1500  
(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 BPVC Section I  
(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 \_\_\_\_\_ ISO 9001: 2015 which has been verified by the following authority, HSB (Hartford Steam Boiler).

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

(drawings, calculations, test reports, etc.)

Declared before me at CLARK-Reliance LLC in the City of Strongsville

the 15<sup>th</sup> day of December AD 2022.

Commissioner for Oaths:

Christine McCOMBS  
(Printed name)

Christine McCombs  
(Signature)



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

Steve McGuigan  
(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: \_\_\_\_\_

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.

# 2023 CRN: Reliance Category F Scope of Registration



## Flat Glass Gages:

Model Series	Body Material	Body Drawing	Assembly Drawing Prefix	Temperature Rating	Pressure Rating
FG400	ASTM A675 Gr.50	FG7093A	FG1164	456°F	450 psi
FG900	ASTM A675 Gr.50	AB-15411	B-7010	533°F	900 psi
FG1500	ASTM A675 Gr.50	AB-15414	D-8605	597°F	1500 psi
FG2000	ASTM A675 Gr.50	AB-15414	FG1179	636°F	2000 psi

## Reflex Gages (added in 2023):

Model Series	Body Material	Body Drawing	Assembly Drawing	Temperature Rating	Pressure Rating
RC#	SA-278 CL.30	B-18997	B-4366	406°F	250 psi
RS#	SA-516 Gr.70	AB-15410	B-12710	435°F	350 psi

## Simpliport Bi-Color Liquid Level Gages:

Model Series	Body Material	Casting Drawing	Assembly Drawing Prefix	Temperature Rating	Pressure Rating
P4000	SA-351 Gr.CF8 Ref. DWG PS7282-A	PS7303A	PS1483	597°F	1500
P4100			PS1491	695°F	3000

## Electrolev:

Model Series	Body Material	Body Drawing	Assembly Drawing Prefix	Temperature Rating	Pressure Rating
EL450	SA-106 Gr.B 2-1/2" XXS SMLS Pipe	A-15890	EL450	456°F	450
EL1000			EL1000	545°F	1000
EL1800			EL1800	621°F	1800
ELF3000			ELF3000	695°F	3000
ESB3000			ESB3000	695°F	3000

Body casting and material specification for the above valve series is designated by their body casting/forging drawings.

Detailed drawing list is on next page.

All welds for adaptors, flanges, couplings are to be a minimum thickness of  $T_b + 1/16''$  and designated by WPS 1-1-101 and WPS 1-1-102.  $T_b$  is thickness of base material.

**Prismatic Series Glass Gage Drawings (added 2023):**

Description	Drawing	Rev
RC# Series Prismatic Cast Gage Assembly	B-4366	16
RS# Series Prismatic Steel Gage Assembly	B-12710	5
Cast Gage Body - Casting	B-18997	0
Cast Gage Body - Casting	B-4320	5
Steel Gage Body	AB-15410	3
Cover Plate	A-3749U	3
Clamp	A4892	14
Grafoil Gasket	V-13143	1
Glass	V-16757	10
Cushion Gasket	V-18980	2

**Simpliport P4000/P4100 Series Ported Gage Drawings:**

Description	Drawing	Rev
P4000 Simpliport Gage Assembly	PS1483-A	2
P4000 Simpliport Gage Weldment	PS1483-AW	2
P4100 Simpliport Gage Assembly	PS1491-A	4
P4100 Simpliport Gage Weldment Arrangement #1	PS1491-AW1	4
P4100 Simpliport Gage Weldment Arrangement #2	PS1491-AW2	4
P4100 Simpliport Gage Weldment Arrangement #3	PS1491-AW3	4
P4100 Simpliport Gage Weldment Arrangement #4	PS1491-AW4	4
Casting	PS7303A	4
Body	PS7282-A	4
Flange	A5819	13

**FG400 Series Flat Glass Gage Drawings:**

Description	Drawing	Rev
FG450 Series Flat Glass Gage Assembly	FG1164-A	8
FG450 Series Flat Glass Gage Weldment	FG1164-AW	8
Gage Body	FG7093A	2
Cover Plate	A-3749U	3
Clamp	A4892	14
Grafoil Gasket	V-13143	1
Mica Shield	B-7701	9
Glass	V-16758	6
Cushion Gasket	V-18980	2

**FG900 Series Flat Glass Gage Drawings:**

Description	Drawing	Rev
FG900 Series Flat Glass Gage Assembly	B-7010	17
FG900 Series Flat Glass Gage Weldment	B7010-AW	17
Gage Body	AB-15411	7
Cover Plate	A-3749U	3
Clamp	A4892	14
Grafoil Gasket	V-13143	1
Mica Shield	B-7701	9
Glass	V-16758	6
Cushion Gasket	V-18980	2

**FG1500 Series Flat Glass Gage Drawings:**

Description	Drawing	Rev
FG1500 Series Flat Glass Gage Assembly	D-8605	13
FG1500 Series Flat Glass Gage Weldment	D-8605-AW	13
Gage Body	AB-15414	7
Cover Plate	A-3749U	3
Clamp	A-8585	7
Grafoil Gasket	V-13143	1
Mica Shield	P-8092	10
Glass	V-16758	6
Cushion Gasket	V-18980	2

**FG2000 Series Flat Glass Gage Drawings:**

Description	Drawing	Rev
FG2000 Series Flat Glass Gage Assembly	FG1179-A	4
FG2000 Series Flat Glass Gage Weldment	FG1179-AW	4
Gage Body	AB-15414	7
Flange	A5819	13
Cover Plate	A-3749U	3
Clamp	A-8585	7
Grafoil Gasket	V-13143	1
Mica Shield	P-8092	10
Glass	V-15841	2
Cushion Gasket	V-18980	2

**Electrolev Probe Column Drawings:**

Description	Drawing	Rev
EL450 Assembly	EL450	1
EL450 Weldment	EL450W	0
EL1000 Assembly	EL1000	1
EL1000 Weldment	EL1000W	0
EL1800 Assembly	EL1800	1
EL1800 Weldment	EL1800W	0
ELF3000 Assembly	ELF3000	1
ELF3000 Weldment	ELF3000W	0
ESB3000 Assembly	ESB3000	1
ESB3000 Weldment	ESB3000W	1
Electrolev Body Drawing (used across all models)	A-15890	9
Electrolev Top and Bottom Cap	A15892	5
T Probe Assembly	EA1000B	2
V Probe Assembly	AB-10498	2
ZG Probe Assembly	AB18600	9
FG Probe Assembly	AB18603	9
FSB Probe Assembly	MS1217-A	2
FBRZ Probe Assembly	MS1215-A	2
ZBRZ Probe Assembly	MS1216-A	2
FG Probe Body	A-18606	9
ZG Probe Body	AB-18601	6
V Probe Body	B-8903-1	0
FBRZ Probe Body	EL7149-A	5
FSB Probe Body	EL7457-A	3
T Probe Body	MS-1002-A	2
ZBRZ Probe Body	MS7198-A	2