

Montréal, 15 mai 2023.

KRISTINE TREPANIER
ABSA
9410 - 20 AVENUE
EDMONTON AB
CANADA T6N 0A4

Fabricant : HAYDEN INDUSTRIAL PRODUCTS
1393 E SAN BERNARDINO AVE
SAN BERNARDINO CA
USA 92408

Numéro de dossier : 946012
Numéro(s) de dessin(s) : Scope Water Gage Valves Components

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 : **0C24476.56**.

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 de conception doivent alors être resoumis pour validation;
- Le fabricant doit nous transmettre une copie de l' *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.

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

Montréal, le 15 mai 2023.

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Manufacturer : HAYDEN INDUSTRIAL PRODUCTS
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OUR REFERENCE : 946012
Design number : Scope Water Gage Valves Components

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): **0C24476.56**.

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 equipment 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

Montréal

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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 C 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 15th 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.

CRN: Reliance Category C Scope of Registration

Water Gage Valves Components:

Casting/ Forging	Material	Valve Series	Drawing	Max ID/NPS Size	Min. Thick.	Max Pressure Rating	Ref. Ass'y Dwg	Standard Used to Confirm Min. Wall within Press. Rating Allowable
Dwg = C-19095	SA-105 Steel	800	SG754-1	Ø1.07"	.336"	900#	SG1820	ASME B16.34-2020
		700	SG777- 1MSW	Ø1.07"	.336"	1500#	SG1805	
Dwg = B-18827	SB-61 Bronze	600	AB19343-1	NPS 3/4"	.220"	300#	BG1030	ASME B16.24-2021
		500						
		400						
Dwg = A-3724		600	A-3724	NPS 3/4"	0.28"			
Dwg = A7457	600	BG7011	NPS 3/4"	0.168"				

Ball Check Components (Used with RSG854 and RSG777 valves):

Reference Drawing	Material	Max ID/Size	Min. Thickness	Max Pressure Rating	Relative Valve Series	Reference Drawings Ass'y and Components	Standard Used to Confirm Min. Wall within Press. Rating Allowable
A-14348	SA-106	Ø.502"	.373"	900# And 1500#	800 and 700	DD7005-A SG1846 (1:2) SG1846 (2:2) SG1846W T-1648-A	ASME B16.34- 2020
DD7003- A	SA-479 304SS	Ø.91"	.600"				
DD7004- A	SA-479 304SS	Ø1.07"	.668"				

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

Package for Minimum wall locations and references to ASME B16.34 Table 3 and ASME B16.24 Table 8.1.2-2 is attached. This package includes all the drawings listed in the above tables.

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.