Régie du bâtiment Québec

Direction des équipements sous pression

Montréal, 4 novembre 2023.

TANYA FRANCIS
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ONTARIO
CANADA M9W 6N9

Fabricant : OKLAHOMA SAFETY EQUIPMENT CO INC
1701 WEST TACOMA
BROKEN ARROW OK
USA 74013

Numéro de dossier : 945208
Numéro(s) de dessin(s) : Scope of registration 23 may 23

**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 : **0G14740.56.**

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, 2ième étage
Montréal (Québec) H2M 1L5
Téléphone : 514 873-2546
Sans frais : 1 866 262-2084
enregistrementdesplans@rbq.gouv.qc.ca
www.rbq.gouv.qc.ca

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Montréal, le 4 novembre 2023.

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Manufacturer : OKLAHOMA SAFETY EQUIPMENT CO INC
1701 WEST TACOMA
BROKEN ARROW OK
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OUR REFERENCE : 945208
Design number : Scope of registration 23 may 23

**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): **0G14740.56.**

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

**Montréal**
255, boul. Crémazie Est, 2ième étage
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Régie du bâtiment Québec

# Statutory Declaration Registration of Fittings

Building Act (B-1.1)
Regulation respecting pressure vessels (B-1.1, r. 6.1)
Boiler, pressure vessel, and pressure piping code (CSA B51)

**This declaration must be filled out and sent to the Régie du bâtiment du Québec (RBQ) by pressure fitting manufacturers when they make an application registration for fittings.**

**For more information on the application registration for fittings, consult the www.rbq.gouv.qc.ca/fittings-pv.**

## 1. Fittings to register

**List the fittings included in this declaration and that you wish to register.**

| N° | Description | Additional information (detail, calculations or approval sheets) |
|---|---|---|
| 1 | SAFETY RELIEF DEVICES | |
| 2 | SCOPE OF CRN, | |
| 3 | DRAWING, | |
| 4 | REPORTS | |
| 5 | COMPANY LOGO - SEE RIGHT | |

## 2. Declaration of the person in charge

**The person in charge is someone in a position of authority, such as a vice-president, a plant manager or a chief engineer.**

### 2.1 Design

I, the undersigned, Megan Miller (Name of the person in charge), Quality Assurance Manager (Title of the person in charge),
from Oklahoma Safety Equipment Company, Inc. (Company's name), located at 1701 West Tacoma, Broken Arrow, Oklahoma, 74012, USA (Plant's address)

hereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:

☒ comply with the requirements of the ANSI/ASME codes as to their dimensions, identification, material and purpose
or ASME SECTION VIII-1

☐ are not covered by the ANSI/ASME codes, but are in compliance with _____ (Name of code or standard)

code or standard and are designed according to the best current engineering practice, as proven by the enclosed approval report.

### 2.2 Manufacturing quality control

I further declare that the manufacture of these fittings is controlled by a quality control program that complies with the requirements of the following code: ASME UD (Name of code), and has been verified by ASME (Authorized agency).

Signature of the person in charge: Megan Miller | Date (yyyy-mm-dd): 2023-05-17

## 3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at BROKEN ARROW (Location) on 2023-05-17 (Date (yyyy-mm-dd)).

Signature of commissioner for oaths: Kristine M. Hutton

Date (yyyy-mm-dd): 2023-05-17

Stamp the seal:

KRISTINE M HUTTON
Notary Public in and for
STATE OF OKLAHOMA
Commission #19012756
Expires: December 27, 2023

## 4. Registration confirmation (for RBQ's use only)

As far as I know, this application complies with the requirements of the Act and with standard CSA B51, Part 1, section 4.2, and is accepted for registration in the class _____.

This registration expires in ten (10) years after the date of registration indicated above, and it must be validated again after this period.

| Canadian registration number (CRN): | Registration date (yyyy-mm-dd): |
|---|---|
| | Enregistré au Québec 0G14740.56 Régie du bâtiment Québec 10/13/2023 Revue par la RBQ RÉVISION |

### Documents to attach

Any application registration for fittings must include these documents:

- Statutory Declaration Registration of Fittings (2 copies)
- Detailed calculations or burst test report (1 copy)
- Detailed technical drawings or catalogues (2 copies)
- Example of the manufacturer's marking (1 copy)
- Proof that a valid and approved quality control program has been implemented (1 copy)
- Form Application for design registration (1 copy)

### Sending the form

This declaration is necessary to submit an application for design registration. Design registration applications must be sent by email only to enregistrementdesplans@rbq.gouv.qc.ca.

Documents must be in PDF format and in separate files.

**OKLAHOMA SAFETY EQUIPMENT COMPANY, INC. (OSECO)**
1701 WEST TACOMA
BROKEN ARROW, OKLAHOMA
74012, UNITED STATES

**23-May-23**



## SCOPE OF CRN REGISTRATION

| Product Description | Drawing | Disc Material(s) | Holder Material(s) | Size (inches) | Set Pressure Range | Flow Area | Certificate Number NB |
|---|---|---|---|---|---|---|---|
| LoKr Rupture Disc Device | LoKr Family Print Sht. 1 Rev. C | Hastelloy C, Inconel 600, Type 316 Stainless Steel, Monel, Nickel | ASME SB-574 N10276, SB-564 N10276 SB-164 N04400, SB-127 N04400 SB-564 N04400, SA-240 S31603 SA-182 S31603, SA-36 K02600 SA-516 K02700, SB-168 N06600 SB-163 N02200 | 1 | 15-2500 psi | 0.86 in^2 | 02620 |
| | | | | 1.5 | 10-2200 psi | 2.04 in^2 | 02619 |
| | | | | 2 | 10-2200 psi | 3.36 in^2 | 02619 |
| | | | | 3 | 10-2200 psi | 7.39 in^2 | 02619 |
| | | | | 4 | 10-1500 psi | 12.73 in^2 | 02619 |
| | | | | 6 | 10-750 psi | 28.89 in^2 | 02619 |
| | | | | 8 | 10-750 psi | 50.02 in^2 | 02619 |
| | | | | 10 | 10-500 psi | 78.85 in^2 | 02619 |
| | | | | 12 | 10-300 psi | 111.9 in^2 | 02619 |

**Note 1**: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

**Note 2:** Product shall be marked with the ASME Certification mark and UD Designator along with the Canadian Registration Number (CRN).

**Note 3**: See attached copy of National Board Listings applicable to this Canadian Registration Number (CRN).

## Design Name: HPSR (Liquid) NBCert # 01742

| Manufacturer/Assembler | Designators | Expiration Date |
|---|---|---|
| Manufacturer | UD | 10/16/2024 |

**Design Type**

[Rupture Disk Device] HPSR (Liquid)
Capacity Tests: Sec. UD at Oklahoma Safety Equipment Company, Inc. (OSECO) on October 1, 2018
Method of Establishing Relieving Capacity: Resistance Factor, 3 Size, Krl
Certified Value:13.500 Unitless
Media - Test: Air/Gas; Certified: Incompressible (Krl)
Set Pressure Definition: Burst Pressure
Designed by: Oklahoma Safety Equipment Company, Inc. (OSECO) {OSE}

| Inlet Size | Outlet Size | Flow Area | Orifice [designator] dia. | Lift | Set Pressure Range | Media | Designator |
|---|---|---|---|---|---|---|---|
| 1 NPS | | 0.31 in² | | | 2500-6000 psi | | UD |
| 2 NPS | | 0.994 in² | | | 2500-6000 psi | | UD |
| 3 NPS | | 2.074 in² | | | 2500-6000 psi | | UD |
| 4 NPS | | 3.715 in² | | | 2500-6000 psi | | UD |
| 6 NPS | | 7.52 in² | | | 2500-6000 psi | | UD |
| 8 NPS | | 13.17 in² | | | 2500-6000 psi | | UD |

## Design Name: HPSR-LP (Liquid) NBCert # 01843

| Manufacturer/Assembler | Designators | Expiration Date |
|---|---|---|
| Manufacturer | UD | 10/16/2024 |

**Design Type**

[Rupture Disk Device] HPSR-LP (Liquid)
HolderDesignation: WDA Welded Holder, HPRDI Insert Holder
Capacity Tests: Sec. UD at Oklahoma Safety Equipment Company, Inc. (OSECO) on October 1, 2018
Method of Establishing Relieving Capacity: Resistance Factor, 1 Size, Krl
Certified Value:24.000 Unitless
Media - Test: Air/Gas; Certified: Incompressible (Krl)
Set Pressure Definition: Burst Pressure
Designed by: Oklahoma Safety Equipment Company, Inc. (OSECO) {OSE}

| Inlet Size | Outlet Size | Flow Area | Orifice [designator] dia. | Lift | Set Pressure Range | Media | Designator |
|---|---|---|---|---|---|---|---|
| 1 NPS | | 0.31 in² | | | 500-700 psi | | UD |

## Design Name: LoKr NBCert # 02619

| Manufacturer/Assembler | Designators | Expiration Date |
|---|---|---|
| Manufacturer | UD | 07/14/2028 |

**Design Type**

[Rupture Disk Device] LoKr
Capacity Tests: Sec. UD at Oklahoma Safety Equipment Company, Inc. (OSECO) {unknown test date}
Method of Establishing Relieving Capacity: Resistance Factor, 3 Size, Krg
Certified Value: 0.220 Unitless
Media - Test: Air/Gas, Water/Liquid (Kr test on Air/Gas); Certified: Compressible and Incompressible (Krgl)
Set Pressure Definition: Burst Pressure
Designed by: Oklahoma Safety Equipment Company, Inc. (OSECO) {OSE}

| Inlet Size | Outlet Size | Flow Area | Orifice [designator] dia. | Lift | Set Pressure Range | Media | Designator |
|---|---|---|---|---|---|---|---|
| 1.5 NPS | | 2.04 in² | | | 10-2200 psi | | UD |
| 10 NPS | | 78.85 in² | | | 10-500 psi | | UD |
| 12 NPS | | 111.9 in² | | | 10-300 psi | | UD |
| 2 NPS | | 3.36 in² | | | 10-2200 psi | | UD |
| 3 NPS | | 7.39 in² | | | 10-2200 psi | | UD |
| 4 NPS | | 12.73 in² | | | 10-1500 psi | | UD |
| 6 NPS | | 28.89 in² | | | 10-750 psi | | UD |
| 8 NPS | | 50.02 in² | | | 10-750 psi | | UD |

## Design Name: LoKr (1 in.) NBCert # 02620

| Manufacturer/Assembler | Designators | Expiration Date |
|---|---|---|
| Manufacturer | UD | 07/14/2028 |

**Design Type**

[Rupture Disk Device] LoKr (1 in.)
Capacity Tests: Sec. UD at Oklahoma Safety Equipment Company, Inc. (OSECO) {unknown test date}
Method of Establishing Relieving Capacity: Resistance Factor, 1 Size, Krgl
Certified Value: 0.210 Unitless
Media - Test: Air/Gas, Water/Liquid (Kr test on Air/Gas); Certified: Compressible and Incompressible (Krgl)
Set Pressure Definition: Burst Pressure
Designed by: Oklahoma Safety Equipment Company, Inc. (OSECO) {OSE}

| Inlet Size | Outlet Size | Flow Area | Orifice [designator] dia. | Lift | Set Pressure Range | Media | Designator |
|---|---|---|---|---|---|---|---|
| 1 NPS | | 0.86 in² | | | 15-2500 psi | | UD |

## Design Name: OPFTK+ NBCert # 00426

| Manufacturer/Assembler | Designators | Expiration Date |
|---|---|---|
| Manufacturer | UD | 06/20/2027 |

**Design Type**

[Rupture Disk Device] OPFTK+
HolderDesignation: OPK, Safety Cartridge
Capacity Tests: Sec. UD at National Board Testing Lab on February 19, 2010
Method of Establishing Relieving Capacity: Resistance Factor, 3 Size, Krgl
Certified Value: 2.770 Unitless
Media - Test: Air/Gas, Water/Liquid (Kr test on Air/Gas); Certified: Compressible and Incompressible (Krgl)
Set Pressure Definition: Burst Pressure
Designed by: Oklahoma Safety Equipment Company, Inc. (OSECO) {OSE}

| Inlet Size | Outlet Size | Flow Area | Orifice [designator] dia. | Lift | Set Pressure Range | Media | Designator |
|---|---|---|---|---|---|---|---|
| 1 NPS | | 0.792 in² | | | 100-1160 psi | | UD |
| 1.5 NPS | | 1.709 in² | | | 100-1087 psi | | UD |
| 10 NPS | | 67.64 in² | | | 50-274 psi | | UD |
| 12 NPS | | 99.28 in² | | | 50-250 psi | | UD |
| 2 NPS | | 2.899 in² | | | 100-1015 psi | | UD |
| 3 NPS | | 7.029 in² | | | 100-600 psi | | UD |
| 4 NPS | | 11.17 in² | | | 100-363 psi | | UD |