

October 13, 2023

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

The design submission, Tracking Number 2023-05869, Web Portal Number 2023-S3847, originally received on September 25, 2023 was surveyed and accepted for registration as follows:

CRN : 0G14740.52 **Accepted on:** October 13, 2023

Reg Type: ADDITION TO ACC. FITTING **Expiry Date:** July 16, 2031

Drawing No. : SCOPE OF CRN REGISTRATION

Fitting type: LoKr Rupture Disc Device

Design registered in the name of : OKLAHOMA SAFETY EQUIPMENT COMPANY (OSECO)

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

As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction is SECTION VIII, DIV. 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 (780) 433-0281 ext 3337 or fax (780) 437-7787 or e-mail Dick@absa.ca.

Sincerely,



POON, ASHLING, P. Eng.
DOP Cert. No. D00007936



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, Megan Miller, Quality Assurance Manager
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Oklahoma Safety Equipment Company, Inc.
(Name of Manufacturer)

Located at 1701 West Tacoma, Broken Arrow, Oklahoma, 74012, USA 1-918-259-7199
(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 SECTION VIII-1
(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 ASME UD _____ which has been verified by the following authority, ASME _____.

The items covered by this declaration, for which I seek registration, are category G - SAFETY RELIEF DEVICES type fittings. In support of this application, the following information and/or test data are attached as follows: **
SCOPE OF CRN REGISTRATION, DRAWING, REPORT
(drawings, calculations, test reports, etc.)

Declared before me at BROKEN ARROW in the County TULSA
 the 17 day of May AD 2023.



Commissioner for Oaths:
KRISTINE M. HUTTON
(Printed name)
Kristine M. Hutton
(Signature)

Megan Miller
(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 'G'.

CRN: _____
 Registered by: _____
 Dated: 2023-10-13

ABSA
 SAFETY CODES ACT - PROVINCE OF ALBERTA
ACCEPTED: OG1474Q 52
 See acceptance letter for conditions of registration.
 Date: 2023-10-13 By: Tik Shan Poon
ASHLING POON, P. Eng. DOP: D0007936

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.

NOTE: This registration expires on: 2031-07-16

*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request. ** LoKr Rupture Disc Device, see attached Scope of CRN Registration

CHRISTINE M. HUTTON
Notary Public in and for
STATE OF OKLAHOMA
Commission Expires 12/31/2023
Notary Number 123456789





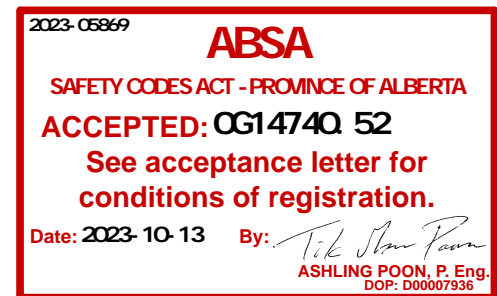
SCOPE OF CRN REGISTRATION

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).



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

Design Name: HPSR (Liquid) NBCert # 01742

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

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 in ²			2500-6000 psi		UD
2 NPS		0.994 in ²			2500-6000 psi		UD
3 NPS		2.074 in ²			2500-6000 psi		UD
4 NPS		3.715 in ²			2500-6000 psi		UD
6 NPS		7.52 in ²			2500-6000 psi		UD
8 NPS		13.17 in ²			2500-6000 psi		UD

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

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

Manufacturer UD 10/16/2024

Design Type

[Rupture Disk Device] HPSR-LP (Liquid)
Holder Designation: 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 in ²			500-700 psi		UD

Design Name: LoKr NBCert # 02619

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

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 in ²			10-2200 psi		UD
10 NPS		78.85 in ²			10-500 psi		UD
12 NPS		111.9 in ²			10-300 psi		UD
2 NPS		3.36 in ²			10-2200 psi		UD
3 NPS		7.39 in ²			10-2200 psi		UD
4 NPS		12.73 in ²			10-1500 psi		UD
6 NPS		28.89 in ²			10-750 psi		UD
8 NPS		50.02 in ²			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 in ²			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+
 Holder Designation: 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 in ²			100-1160 psi		UD
1.5 NPS		1.709 in ²			100-1087 psi		UD
10 NPS		67.64 in ²			50-274 psi		UD
12 NPS		99.28 in ²			50-250 psi		UD
2 NPS		2.899 in ²			100-1015 psi		UD
3 NPS		7.029 in ²			100-600 psi		UD
4 NPS		11.17 in ²			100-363 psi		UD