

## EU TYPE EXAMINATION CERTIFICATE - PRODUCTION TYPE

This is to certify that LRQA Nederland B.V., an Notified Body under the terms of the Pressure Equipment Directive 2014/68/EU, did (in accordance with Module B of the Directive) undertake a design examination on the stated pressure equipment to ensure conformity with the requirements of the Directive which apply. The pressure equipment identified below was shown to comply.

This certificate is issued to:

**APPLICANT:** **Hansen Technologies Corporation**  
**Location 1: 681 Commerce Street,**  
**Burr Ridge, IL 60527, USA**  
**Location 2: 3475 Old Maysville Rd.,**  
**Commerce, GA 30529, USA**

**PRODUCT DESCRIPTION:** **Refrigerant Pressure Relief Valve (Series: H56xx)**

**PRODUCT TYPE:** **Safety Accessory**

**DESIGN STANDARD:** **ASME B31.5: 2019 Edition, ASME Section VIII, Div. 1: 2021 Edition and ASME Section XIII: 2021 Edition**

The attached Schedule details the content of the Technical Documentation and Specified Standards and shall form a part of this certificate.

**"This Certificate is not valid for pressure equipment, the design, ratings or operational parameters of which have been varied from the specimen tested. The manufacturer shall notify LRQA Nederland B.V. of any modification or changes to the equipment to maintain a valid certificate."**

**"This certificate is valid for ten years from the date of issue."**

Certificate No.: 0343/PED/ROT/20020155/A

Original Approval: 25 March 2002

Current Certificate: 28 November 2022

Certificate Expiry: 24 November 2032

Notified Body No. 0343



P. Mintzaridis on behalf of LRQA Nederland B.V.

LRQA Nederland B.V. (Reg. no. 24247948) is a private limited company registered in the Netherlands with registered office at George Hintzenweg 77, 3068 AX Rotterdam. A subsidiary of LRQA Group Limited.

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## CERTIFICATE SCHEDULE 0343/PED/ROT/20020155/A

### Equipment data:

**Product Description:** Refrigerant Pressure Relief Valve (Series: H56xx)  
**Product Type:** Safety Accessory  
**Maximum Design Pressure:** 406.11 psig (28.00 barg)  
**Capacity:** ½" through 1½" (DN13 through DN40)

The undermentioned documents have been reviewed for compliance with the Pressure Equipment Directive 2014/68/EU and the following Design Standard(s):

ASME B31.5: 2019 Edition, ASME Section VIII, Div. 1: 2013 Edition  
 & ASME Section XIII :2021 Edition

### Technical File Contents

Title	Document Number	Date
As detailed in Design Appraisal Document - PRJ11100391213-020-1, issue 0, dated 23 November 2022.		
National Board NB18 Report	NB18	04 December 2020

### LRQA Reports

Title	Document Number	Date
Design Appraisal Document	PRJ11100391213-020-1, issue 0	23 November 2022
Inspection Certificate	PRJ11100391213	23 November 2022

Schedule Issue: 02  
 Date of Schedule Issue: 28 November 2022  
 Notified Body No.: 0343



P. Mintzaridis on behalf of LRQA Nederland B.V.

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## EU TYPE EXAMINATION CERTIFICATE - PRODUCTION TYPE

This is to certify that LRQA Nederland B.V., an Notified Body under the terms of the Pressure Equipment Directive 2014/68/EU, did (in accordance with Module B of the Directive) undertake a design examination on the stated pressure equipment to ensure conformity with the requirements of the Directive which apply. The pressure equipment identified below was shown to comply.

This certificate is issued to:

**APPLICANT:** **Hansen Technologies Corporation**  
**Location 1:** 681 Commerce Street,  
 Burr Ridge, IL 60527, USA  
**Location 2:** 3475 Old Maysville Rd.,  
 Commerce, GA 30529, USA

**PRODUCT DESCRIPTION:** **Cartridge Pressure Relief Valve (Series: EZ-SRV)**

**PRODUCT TYPE:** **Safety Accessory**

**DESIGN STANDARD:** **ASME B31.5: 2019 Edition, ASME Section VIII, Div. 1:  
 2021 Edition and ASME Section XIII: 2021 Edition**

The attached Schedule details the content of the Technical Documentation and Specified Standards and shall form a part of this certificate.

**"This Certificate is not valid for pressure equipment, the design, ratings or operational parameters of which have been varied from the specimen tested. The manufacturer shall notify LRQA Nederland B.V. of any modification or changes to the equipment to maintain a valid certificate."**

**"This certificate is valid for ten years from the date of issue."**

Certificate No.: 0343/PED/ROT/NAO0102531/1

Original Approval: 27 November 2012

Current Certificate: 28 November 2022

Certificate Expiry: 26 November 2032

Notified Body No. 0343



P. Mintzaridis on behalf of LRQA Nederland B.V.

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## CERTIFICATE SCHEDULE

### 0343/PED/ROT/NAO0102531/1

#### Equipment data:

**Product Description:** Cartridge Pressure Relief Valve (Series: EZ-SRV)

**Product Type:** Safety Accessory

**Maximum Design Pressure:** Series EZE, EZF 406.11 psig (28.00 barg)  
Series EZA, EZB, EZC, EZQL 600.00 psig (41.37 barg)

**Capacity:** ½" through 1½" (DN13 through DN40)

The undermentioned documents have been reviewed for compliance with the Pressure Equipment Directive 2014/68/EU and the following Design Standard(s):

ASME B31.5: 2019 Edition, ASME Section VIII, Div. 1: 2013 Edition  
& ASME Section XIII :2021 Edition

#### Technical File Contents

Title	Document Number	Date
As detailed in Design Appraisal Document -	-	-
PRJ11100391213-020-1, issue 0, dated		
23 November 2022.		
National Board NB18 Report	NB18	04 December 2020

#### LRQA Reports

Title	Document Number	Date
Design Appraisal Document	PRJ11100391213-020-1, issue 0	23 November 2022
Inspection Certificate	PRJ11100391213	23 November 2022
Inspection Certificate	NAO0102531/1	17 October 2012

Schedule Issue: 02

Date of Schedule Issue: 28 November 2022

Notified Body No.: 0343



P. Mintzaridis on behalf of LRQA Nederland B.V.

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## EU TYPE EXAMINATION CERTIFICATE - PRODUCTION TYPE

This is to certify that Lloyd's Register Nederland B.V., a Notified Body under the terms of:  
The Pressure Equipment Directive 2014/68/EU, did (in accordance with Module B of the Directive)  
undertake an EU Type Examination on the stated pressure equipment to ensure its conformity with the  
requirements of the Directive which apply to it. The equipment identified below was shown to comply.

This certificate is issued to:

<b>APPLICANT:</b>	<b>Hansen Technologies Corporation</b> <b><u>Location 1:</u> 681 Commerce Street,</b> <b>Burr Ridge, IL 60527, USA</b> <b><u>Location 2:</u> 3475 Old Maysville Rd.,</b> <b>Commerce, GA 30529, USA</b>
<b>PRODUCT DESCRIPTION:</b>	<b>Refrigerant Float Switch (Series: HLL and CHLL)</b>
<b>PRODUCT TYPE:</b>	<b>Safety Accessory</b>
<b>DESIGN STANDARD:</b>	<b>ASME B31.5: 2013 Edition &amp;</b> <b>ASME Section VIII, Div. 1: 2013 Edition</b>

The attached Schedule details the content of the Technical Documentation and Specified Standards  
and shall form a part of this certificate.

**"This Certificate is not valid for pressure equipment, the design, ratings or operational  
parameters of which have been varied from the specimen tested. The manufacturer shall  
notify LRV of any modification or changes to the equipment to maintain a valid certificate."**

**"This certificate is valid for ten years from the date of issue."**

Certificate No: 0343/PED/ROT/20020155/C

Original Approval: 24 October 2003

Current Certificate: 9 December 2020

Certificate Expiry: 23 October 2023

LR NL Notified Body Number 0343

  
Chris Webb on behalf of Lloyd's Register Nederland B.V.

*This certificate transfers LRV Ltd. (UK Notified Body 0038) Certificate No 0038/PED/20020155/C issued on 09 March 2016  
which is now under the responsibility of EU Notified Body No. 0343 (LRNL).*

Lloyd's Register Nederland B.V. (Reg. no. 24247948) is a private limited company registered in the Netherlands with registered office at K.P. Van Der Mandelelaan 41 A, 3062MB  
Rotterdam. A subsidiary of Lloyd's Register Group Limited

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's  
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liability is exclusively on the terms and conditions set out in that contract.

This is a copy of an electronic document. In the event of any conflict or ambiguity between the copy and the electronic document,  
LRNL/RY/CD/PED/ - Production/Transfer/November 2020/REV 0  
which is retained and published by Lloyd's Register, the original electronic and certified version shall always prevail.

**EU TYPE EXAMINATION CERTIFICATE  
PRODUCTION TYPE (MODULE B)  
HANSEN TECHNOLOGIES CORPORATION  
REFRIGERANT FLOAT SWITCH (SERIES: HLL and CHLL)  
CERTIFICATE NO. 0343/PED/ROT/20020155/C SCHEDULE**

**Equipment data**

**Type:** Safety Accessory  
**Maximum Design Pressure:** 27.0 Barg and 40.0 Barg  
**Capacity:** 4"

The undermentioned documents have been reviewed for compliance with the Pressure Equipment Directive 2014/68/EU and following Design Standard(s):

ASME B31.5: 2012 Edition & ASME Section VIII, Div. 1: 2013 Edition

**Technical File Contents**

Title	Document Number	Date
Technical File	EF109, Rev. C	-
<ul style="list-style-type: none"> <li>- Product Description;</li> <li>- Product categorization and module selection;</li> <li>- Sample bill of material;</li> <li>- Essential Safety Requirements;</li> <li>- Risk Assessment;</li> <li>- Design Calculations;</li> <li>- Particular Material Appraisal;</li> <li>- Declaration of Conformity;</li> <li>- Product bulletins;</li> <li>- Sample drawings;</li> </ul>		

**LR Reports**

Title	Document Number	Date
Design Appraisal Document	NAO0102531/004/BRG Issue 4	22 October 2013

Schedule Issue: 01  
Date of Schedule Issue: 9 December 2020  
LR NL Notified Body Number 0343

  
 Chris Webb on behalf of Lloyd's Register Nederland B.V.  
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