

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: ZETKAMA Sp. z o.o.
ul. 3 Maja 12, 57-410 Ścinawka Średnia
Poland

PRODUCT DESCRIPTION: Safety Valves

PRODUCT TYPE: 240, 270, 610, 630 (details specified below)

DESIGN STANDARD: EN ISO 4126-1:2013

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."

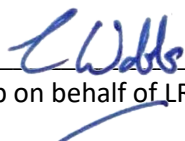
Certificate No.: 0343/ROT/PED/PRJ11100349250/1

Original Approval: 01.03.2022

Current Certificate: 01.03.2022

Certificate Expiry: 28.02.2032

Notified Body No. 0343



Chris Webb on behalf of LRQA Nederland B.V.

CERTIFICATE SCHEDULE

0343/ROT/PED/PRJ11100349250/1

Equipment data:

Product Description: Safety Valves
 Product Type: 240, 270, 610, 630
 Maximum Design Pressure: details specified below
 Capacity: details specified below

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

EN ISO 4126-1:2013

Technical File Contents

Title	Document Number	Date
As listed in Design Appraisal Document	BPA2203902/1	28.02.2022
As listed in List of Documents to certificate 0343/ROT/PED/PRJ11100349250/1		01.03.2022

LRQA Reports

Title	Document Number	Date
Design Appraisal Document	BPA2203902/1	28.02.2022
Visit Report	PRJ11100349250 KAT2100489B/1	10.12.2021
Visit Report	PRJ11100349250 KAT2100489B/2	11.02.2022

Schedule Issue: 1
 Date of Schedule Issue: 01.03.2022
 Notified Body No.: 0343



 Chris Webb 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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Valves characteristic and executions:

Nowy typ zaworu New type valve		Uszczelnienie Seal	DN	Kdr			Stary typ zaworu Old type valve		
				Pary i gazy Steam and gases	Z ograniczeniem skoku With stroke limitation				
					Ciecze Liquids	Pary i gazy Steam and gases			
240F E	PN40	240F E01-1 H	m-m	20-200	Kdr = 0,25	-----	Nie dotyczy Not applicable	2302	P
		240F E51-1 P	m-m	20-65	Kdr = 0,4			Nie dotyczy Not applicable	
		240F E51-1 H	m-m						
240A C	PN16	240A C01-1 E	m-m	15-200	Kdr = 0,25	Kdr = 0,006	Nie dotyczy Not applicable	2501	P
		240A C02-1 E	m-m						G
		240A C05-1 E	m-m						WM
		240A C07-1 E	m-m						GWM
240A C	PN16	240A C51-1 E	m-m	15-65	Kdr = 0,4	Kdr = 0,3	Nie dotyczy Not applicable	Nie dotyczy Not applicable	
		240A C52-1 E	m-m						
		240A C55-1 E	m-m						
		240A C57-1 E	m-m						
240A C	PN16	240A C01-2 E	NBR	15-125	Kdr = 0,25	Kdr = 0,006	Nie dotyczy Not applicable	2501.11A	P
		240A C01-3 E	EPDM						G
		240A C02-2 E	NBR						WM
		240A C02-3 E	EPDM						GWM
		240A C05-2 E	NBR						
		240A C05-3 E	EPDM						
		240A C07-2 E	NBR						
240A C07-3 E	EPDM								
240C E	PN40	240C E01-1 E	m-m	20-200	Kdr = 0,25	Kdr = 0,006	Nie dotyczy Not applicable	2501S	P
		240C E02-1 E	m-m						G
		240C E05-1 E	m-m						WM
		240C E07-1 E	m-m						GWM
240C E	PN40	240C E51-1 E	m-m	20-65	Kdr = 0,4	Kdr = 0,3	Nie dotyczy Not applicable	Nie dotyczy Not applicable	
		240C E52-1 E	m-m						
		240C E55-1 E	m-m						
		240C E57-1 E	m-m						
240C E	PN40	240C E01-2 E	NBR	20-125	Kdr = 0,25	Kdr = 0,006	Nie dotyczy Not applicable	2501S.11A	P
		240C E01-3 E	EPDM						G
		240C E02-2 E	NBR						WM
		240C E02-3 E	EPDM						GWM
		240C E05-2 E	NBR						
		240C E05-3 E	EPDM						
		240C E07-2 E	NBR						
240C E07-3 E	EPDM								

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240F E	PN40	240F E01-1 E	m-m	20-200	Kdr = 0,25	Kdr = 0,006	Nie dotyczy Not applicable	2502	P
		240F E02-1 E	m-m						G
		240F E05-1 E	m-m						WM
		240F E07-1 E	m-m						GWM
240F E	PN40	240F E51-1 E	m-m	20-65	Kdr = 0,4	Kdr = 0,3	Nie dotyczy Not applicable	Nie dotyczy Not applicable	
		240F E52-1 E	m-m						
		240F E55-1 E	m-m						
		240F E57-1 E	m-m						
240F E	PN40	240F E51-1 N	m-m	20-65	Kdr = 0,4	Kdr = 0,3	Nie dotyczy Not applicable	Nie dotyczy Not applicable	
		240F E52-1 N	m-m						
240F E	PN40	240E E01-2 E	NBR	20-125	Kdr = 0,25	Kdr = 0,006	Nie dotyczy Not applicable	2502.11A	P
		240E E01-3 E	EPDM						G
		240E E02-2 E	NBR						
		240E E02-3 E	EPDM						WM
		240E E05-2 E	NBR						
		240E E05-3 E	EPDM						
		240E E07-2 E	NBR						GWM
		240E E07-3 E	EPDM						
240R E	PN40	240R E01-1 E	m-m	20-200	Kdr = 0,25	Kdr = 0,006	Nie dotyczy Not applicable	2502CrNi	P
		240R E02-1 E	m-m						G
240R E	PN40	240R E51-1 E	m-m	20-65	Kdr = 0,4	Kdr = 0,3)	Nie dotyczy Not applicable	Nie dotyczy Not applicable	
		240R E52-1 E	m-m						
270F E	PN40	270F E51-1 E	m-m	20-50	Kdr = 0,4	Kdr = 0,3	Nie dotyczy Not applicable	Nie dotyczy Not applicable	
		270F E52-1 E	m-m						
270R E	PN40	270R E51-1 E	m-m	20-50	Kdr = 0,4	Kdr = 0,3	Nie dotyczy Not applicable	Nie dotyczy Not applicable	
		270R E52-1 E	m-m						
610A C	PN16	610A C01-1 E	m-m	20-150	Kdr = 0,72 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 1,4 bar Kdr = 0,78 b ₁ =10% for p > 1,4 bar	-----	Nie dotyczy Not applicable	6101	P
610A C	PN16	610A C01-2 E	NBR	20-100	Kdr = 0,72 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 1,4 bar Kdr = 0,78 b ₁ =10% for p > 1,4 bar	-----	Nie dotyczy Not applicable	6101.11A	P
		610A C01-3 E	EPDM						
610C E	PN40	610C E01-1 E	m-m	20-150	Kdr = 0,72 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 1,4 bar Kdr = 0,78 b ₁ =10% for p > 1,4 bar	-----	Nie dotyczy Not applicable	6101S	P

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610C E	PN40	610C E01-2 E	NBR	20-100	Kdr = 0,72 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 1,4 bar Kdr = 0,78 b ₁ =10% for p > 1,4 bar	-----	Nie dotyczy Not applicable	6101S.11A	P
		610C E01-3 E	EPDM						
610F E	PN40	610F E01-1 H	m-m	20-150	Kdr = 0,72 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 1,4 bar Kdr = 0,78 b ₁ =10% for p > 1,4 bar	-----	Nie dotyczy Not applicable	6102	P
610F F	PN63	610F F01-1 S	m-m	20-400	DN20-150 Kdr = 0,78 b ₁ =10% for p > 1,4 bar DN200 Kdr = 0,70 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 1,4 bar Kdr = 0,74 b ₁ =10% for p > 1,4 bar DN300-400 Kdr = 0,54 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 1,4 bar Kdr = 0,70 b ₁ =10% for p > 1,4 bar	-----	Nie dotyczy Not applicable	6103	P
630A C	PN16	630A C01-1 E	m-m	20-150	Kdr = 0,72 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 1,4 bar Kdr = 0,78 b ₁ =10% for p > 1,4 bar	-----	Nie dotyczy Not applicable	6301	P
		630A C02-1 E	m-m						G
		630A C05-1 E	m-m						WM
		630A C07-1 E	m-m						GWM
630A C	PN16	630A C01-2 E	NBR	20-100	Kdr = 0,72 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 1,4 bar Kdr = 0,78 b ₁ =10% for p > 1,4 bar	-----	Nie dotyczy Not applicable	6301.11A	P
		630A C01-3 E	EPDM						G
		630A C02-2 E	NBR						WM
		630A C02-3 E	EPDM						
		630A C05-2 E	NBR						
		630A C05-3 E	EPDM						GWM
		630A C07-2 E	NBR						
630A C07-3 E	EPDM								
630A C	PN16	630A C01-4 E	EPDM + membr	20-100	Kdr = 0,72 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 1,4 bar	Kdr = 0,5	Kdr = 0,36	6301M	P

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					Kdr = 0,78 b ₁ =10% for p > 1,4 bar				
630C E	PN40	630C E01-1 E	m-m	20-150	Kdr = 0,72 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 1,4 bar Kdr = 0,78 b ₁ =10% for p > 1,4 bar	Kdr = 0,01 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 6 bar Kdr = 0,28 b ₁ =10% for p > 6 bar	Kdr = 0,36	6301S	P
		630C E02-1 E	m-m						G
		630C E03-1 E	m-m						C
		630C E04-1 E	m-m						CG
		630C E05-1 E	m-m						WM
		630C E06-1 E	m-m						CWM
		630C E07-1 E	m-m						GWM
		630C E08-1 E	m-m						CGWM
630C E	PN40	630C E01-2 E	NBR	20-100	Kdr = 0,72 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 1,4 bar Kdr = 0,78 b ₁ =10% for p > 1,4 bar	Kdr = 0,01 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 6 bar Kdr = 0,28 b ₁ =10% for p > 6 bar	Kdr = 0,36	6301S.11A	P
		630C E01-3 E	EPDM						G
		630C E02-2 E	NBR						C
		630C E02-3 E	EPDM						CG
		630C E03-2 E	NBR						WM
		630C E03-3 E	EPDM						CWM
		630C E04-2 E	NBR						GWM
		630C E04-3 E	EPDM						CGWM
		630C E05-2 E	NBR						
		630C E05-3 E	EPDM						
		630C E06-2 E	NBR						
		630C E06-3 E	EPDM						
		630C E07-2 E	NBR						
		630C E07-3 E	EPDM						
630C E08-2 E	NBR								
630C E08-3 E	EPDM								
630F E	PN40	630F E01-1 E	m-m	20-150	Kdr = 0,72 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 1,4 bar Kdr = 0,78 b ₁ =10% for p > 1,4 bar	-----	Nie dotyczy Not applicable	6302	P
		630F E02-1 E	m-m						G
		630F E05-1 E	m-m						WM
		630F E07-1 E	m-m						GWM
630F E	PN40	630F E01-2 E	NBR	20-100	Kdr = 0,72 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 1,4 bar Kdr = 0,78 b ₁ =10% for p > 1,4 bar	-----	Nie dotyczy Not applicable	6302.11A	P
		630F E01-3 E	EPDM						G
		630F E02-2 E	NBR						WM
		630F E02-3 E	EPDM						GWM
		630F E05-2 E	NBR						
		630F E05-3 E	EPDM						
		630F E07-2 E	NBR						
		630F E07-3 E	EPDM						

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630R E	PN40	630R E01-1 E	m-m	20-150	Kdr = 0,72 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 1,4 bar Kdr = 0,78 b ₁ =10% for p > 1,4 bar	-----	Nie dotyczy Not applicable	6302CrNi	P
		630R E02-1 E	m-m						G
630F E	PN40	630F E01-4 E	EPDM + membr	20-100	Kdr = 0,72 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 1,4 bar Kdr = 0,78 b ₁ =10% for p > 1,4 bar	Kdr = 0,5	Kdr = 0,36	6302M	P
630F F	PN63	630F F01-1 R	m-m	20-400	DN20-150 Kdr = 0,78 b ₁ =10% for p > 1,4 bar DN200 Kdr = 0,70 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 1,4 bar Kdr = 0,74 b ₁ =10% for p > 1,4 bar DN300-400 Kdr = 0,54 b ₁ =0,1 bar for p ≤ 1 bar b ₁ =10% for 1 < p ≤ 1,4 bar Kdr = 0,70 b ₁ =10% for p > 1,4 bar	-----		6303	P
		630F F02-1 R	m-m						G
		630F F05-1 R	m-m						WM
		630F F07-1 R	m-m						GWM

Execution:

- 01 - normal type for gases and vapors;
- 02 - gas tight type for gases and vapors
- 03 - type with limited disc leap for liquids, gases and vapors
- 04 - gas tight type with limited disc leap for liquids, gases and vapors
- 05 - marine type for gases and vapors
- 06 - marine type with limited disc leap for liquids, gases and vapors
- 07 - marine type, gas-tight for gases and vapors
- 08 - marine type, gas-tight with limited disc leap for liquids, gases and vapors
- 51 - type with extended seat for gases and vapors
- 52 - type with extended seat, gas tight type for gases and vapors
- 55 - type with extended seat, marine type for gases and vapors
- 57 - type with extended seat, marine type, gas-tight for gases and vapors

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Sealing:

- 1 - metal-metal
- 2 - NBR
- 3 - EPDM

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