

EU CERTIFICATE OF CONFORMITY

In accordance with the requirements of the Pressure Equipment Directive 2014/68/EU.

This is to certify that the Quality Management System of:

Flexcon Industries
300 Pond Street,
Randolph, MA 02368 USA

has been assessed against the requirements of Annex III, Module D of the above Directive and conforms to the requirements for the products shown below:

Pre-Pressurized Vessels and Utility Vessels

Approval is subject to the continued maintenance of the quality system in accordance with the requirements of the above Directive and continuing to comply with the EU Type Examination Certificate(s) as listed on the attached schedule.

Authorisation is hereby given to use the Notified Body Identification Number in accordance with the requirements of the specified Directive in relation to the products as identified above.

Certificate No.: 0343/PED/ROT/20040012/I
Original Approval: 27 April 2007
Current Issue: 12 May 2023
Certificate Expiry: 30 April 2026
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.

LRQA Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'LRQA'. LRQA assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant LRQA entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

CERTIFICATE SCHEDULE 0343/PED/ROT/20040012/I

In accordance with the requirements of the Pressure Equipment Directive
2014/68/EU

Products	Certificate Number	Issuing Notified Body	Expiry Date
Global Water Solutions Types - Steel			
MUPA types – Steel Diaphragm Expansion Vessels	0343/PED/ROT/NAO0302020/K	LRQA Nederland BV 0343	15 November 2024
MUPN types – Steel Diaphragm Expansion Vessels	0343/PED/ROT/NAO0302020/K	LRQA Nederland BV 0343	15 November 2024
MUFA types – Steel Diaphragm Flow Through Expansion Vessels	0343/PED/ROT/NAO0302020/K	LRQA Nederland BV 0343	15 November 2024
Global Water Solutions Types - Composite			
CUPA types – Composite Fiber-Wound Diaphragm Expansion Vessels	0343/PED/ROT/20040012/H	LRQA Nederland BV 0343	23 April 2027
CUFA types – Composite Fiber-Wound Flow Through Diaphragm Expansion Vessels	0343/PED/ROT/20040012/H	LRQA Nederland BV 0343	23 April 2027
CUTA types – Composite Fiber-Wound Utility Vessels	0343/PED/ROT/20040012/J	LRQA Nederland BV 0343	18 May 2029
CUTS types – Composite Fiber-Wound Utility Vessels	0343/PED/ROT/20040012/J	LRQA Nederland BV 0343	18 May 2029
Grundfos Types - Steel			
GT-D types – Steel Diaphragm Expansion Vessels	0343/PED/ROT/NAO0302020/K	LRQA Nederland BV 0343	15 November 2024
GT-DF types – Steel Diaphragm Flow Through Expansion Vessels	0343/PED/ROT/NAO0302020/K	LRQA Nederland BV 0343	15 November 2024
Grundfos Types - Composite			
GT-C types – Composite Fiber-Wound Diaphragm Expansion Vessels	0343/PED/ROT/20040012/H	LRQA Nederland BV 0343	23 April 2027
GT-CF types – Composite Fiber-Wound Flow Through Diaphragm Expansion Vessels	0343/PED/ROT/20040012/H	LRQA Nederland BV 0343	23 April 2027
GT-CA types – Composite Fiber-Wound Utility Vessels	0343/PED/ROT/20040012/J	LRQA Nederland BV 0343	18 May 2029
GT-CS types – Composite Fiber-Wound Utility Vessels	0343/PED/ROT/20040012/J	LRQA Nederland BV 0343	18 May 2029

Schedule Issue: 02

Date of Schedule Issue: 12 May 2023

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:

APPLICANT: Flexcon Industries
300 Pond Street,
Randolph, MA 02368, USA

PRODUCT DESCRIPTION: Pre-Pressurized Diaphragm Steel Expansion Vessels

PRODUCT TYPE: Pressure Vessels

DESIGN STANDARD: ANSI/WSC (Water System Council) PST2000:2016 Pressurized Water Tank Standard

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 LR NL 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/NAO0302020/K
Original Approval: 16 November 2004
Current Certificate: 15 December 2020
Certificate Expiry: 15 November 2024
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/HOU/NAO0302020/K issued on 16 December 2019 which is now under the responsibility of EU Notified Body No. 0343 (LRNL).

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**EU TYPE EXAMINATION CERTIFICATE
PRODUCTION TYPE (MODULE B)
FLEXCON INDUSTRIES
PRE-PRESSURISED DIAPHRAGM STEEL EXPANSION VESSELS
CERTIFICATE NO. 0343/PED/ROT/NAO0302020/K SCHEDULE**

Equipment data

GWS Model Number	GWS Type	Grundfos Model Number	Grundfos Type	Volume in Liters	Pressure Rating (bar)
GCB-100LV	MUPA-100-10	-		100	10
GCB-130LV	MUPA-130-10	GCB-GFS-130LV	GT-D-130 V	130	10
GCB-200LV	MUPA-200-10	GCB-GFS-200LV	GT-D-200 V	200	10
GCB-250LV	MUPA-250-10	GCB-GFS-240LV	GT-D-240 V	250	10
GCB-300LV	MUPA-300-10	GCB-GFS-300LV	GT-D-300 V	300	10
GCB-325LV	MUPA-325-10	GCB-GFS-450LV	GT-D-450 V	325	10
GCB-450LV	MUPA-450-10			450	10
GCB-60LV	MUPA-60-10			60	10
GCB-80LV	MUPA-80-10	GCB-GFS-80LV	GT-D-80 V	80	10
GCN-35GV	MUPN-130-8.6			130	8.6
GCN-50GV	MUPN-200-8.6			200	8.6
GCN-60GV	MUPN-250-8.6	GCN-GFS-60GV	GT-D-60GV	250	8.6
GCN-80GV	MUPN-300-8.6	GCN-GFS-80GV	GT-D-80GV	300	8.6
GCN-120GV	MUPN-450-8.6	GCN-GFS-120GV	GT-D-120GV	450	8.6
GCN-20GV	MUPN-80-8.6			80	8.6
GCN-25GV	MUPN-100-8.6			100	8.6
GFU-170LV	MUFA-170-8.6	GFU-GFS-170LV	GT-DF-170 V	170	8.6
GFU-325LV	MUFA-325-8.6	GFU-GFS-325LV	GT-DF-325 V	325	8.6
GFU-80LV	MUFA-80-8.6	GFU-GFS-80LV	GT-DF-80 V	80	8.6
GFU-450LV	MUFA-450-8.6			450	8.6

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

ANSI/WSC (Water System Council) PST2000:2016 Pressurized Water Tank Standard

Technical File Contents

Title	Document Number	Date
Design Technical File	PED 004 TCF, Rev. A	14 December 2016, 17 January 2017 & 29 July 2019

1 General Description, 2 Revision Log,
3 Scope, 4 Category of the Product,

5 Manufacturing Drawings & Specifications,
6 Bill of Materials, 7 PMAs, 8 Procedural
Specifications, 9 Design Calculations,
11 Declaration of Conformity, 12 Product
Technical Bulletin, 13 ESR Checklist, Risk
Assessment / Hazard Checklist of Pressure
Equipment

LR Reports

Title

Design Appraisal Document
Certificate of Inspection
Inspection Certificate

Document Number

NAO0302020/001/SMR, Issue 5
NAO0302020/01
PRJ11100228131


Date

07 December 2020
19 April 2004
23 October 2019

Schedule Issue: 01

Date of Schedule Issue: 15 December 2020

LR NL Notified Body Number 0343



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

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:

APPLICANT:	Flexcon Industries 300 Pond Street, Randolph, MA 02368, USA
PRODUCT DESCRIPTION:	CUPA, CUFA, GT-C & GT-CF Fiber-Wound Composite Pre-Pressurized Diaphragm Expansion Tanks
PRODUCT TYPE:	Pressure Vessels
DESIGN STANDARD:	ANSI/WSC (Water System Council) PST2000:2016 Pressurized Water Tank Standard and ASME Code, Section X; 2019 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 LR NL 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/20040012/H

Original Approval: 24 April 2007

Current Certificate: 15 December 2020

Certificate Expiry: 23 April 2027

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/20040012/H issued on 23 April 2017 which is now under the responsibility of EU Notified Body No. 0343 (LRNL).

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**EU TYPE EXAMINATION CERTIFICATE
PRODUCTION TYPE (MODULE B)
FLEXCON INDUSTRIES
CUPA, CUFA, GT-C & GT-CF FIBER WOUND COMPOSITE PRE-
PRESSURIZED DIAPHRAGM EXPANSION TANKS
CERTIFICATE NO. 0343/PED/ROT/20040012/H SCHEDULE**

Equipment data

GLOBAL Water Solutions					
Base Item	Type (potable) no RCP	Description	Liter	Gallon	Pressure Rating (bar)
C2B-60LV	CUPA-60-8.6	60 liter tank	60	15.85	8.6
C2B-80LV	CUPA-80-8.6	80 liter tank	80	21.13	8.6
C2B-100LV	CUPA-100-8.6	100 liter tank	100	26.42	8.6
C2B-130LV	CUPA-130-8.6	130 liter tank	130	34.34	8.6
C2B-200LV	CUPA-200-8.6	200 liter tank	200	52.83	8.6
C2B-250LV	CUPA-250-8.6	250 liter tank	250	66.04	8.6
C2B-300LV	CUPA-300-8.6	300 liter tank	300	79.25	8.6
C2B-350LV	CUPA-350-8.6	350 liter tank	350	92.46	8.6
C2B-450LV	CUPA-450-8.6	450 liter tank	450	118.88	8.6
CFB-60LV	CUFA-60-8.6	60 liter tank	60	15.85	8.6
CFB-80LV	CUFA-80-8.6	80 liter tank	80	21.13	8.6
CFB-350LV	CUFA-150-8.6	150 liter tank	150	39.63	8.6
CFB-200LV	CUFA-200-8.6	200 liter tank	200	52.83	8.6

GRUNDFOS						
Base Item	Type (potable) no RCP	Type (Grundfos liter V)	Description	Liter	Gallon	Pressure Rating (bar)
C2B-GFS-60LV	CUPA-60-8.6	GT-C-60 V	60 liter tank	60	15.85	8.6
C2B-GFS-80LV	CUPA-80-8.6	GT-C-80 V	80 liter tank	80	21.13	8.6
C2B-GFS-100LV	CUPA-100-8.6	GT-C-100 V	100 liter tank	100	26.42	8.6
C2B-GFS-130LV	CUPA-130-8.6	GT-C-130 V	130 liter tank	130	34.34	8.6
C2B-GFS-200LV	CUPA-200-8.6	GT-C-200 V	200 liter tank	200	52.83	8.6
C2B-GFS-250LV	CUPA-250-8.6	GT-C-250 V	250 liter tank	250	66.04	8.6
C2B-GFS-300LV	CUPA-300-8.6	GT-C-300 V	300 liter tank	300	79.25	8.6
C2B-GFS-350LV	CUPA-350-8.6	GT-C-350 V	350 liter tank	350	92.46	8.6
C2B-GFS-450LV	CUPA-450-8.6	GT-C-450 V	450 liter tank	450	118.88	8.6
C2B-GFS-60LV	CUFA-60-8.6	GT-CF-60 V	60 liter tank	60	15.85	8.6
C2B-GFS-80LV	CUFA-80-8.6	GT-CF-80 V	80 liter tank	80	21.13	8.6
C2B-GFS-130LV	CUFA-150-8.6	GT-CF-150 V	150 liter tank	150	39.63	8.6
C2B-GFS-200LV	CUFA-200-8.6	GT-CF-200 V	200 liter tank	200	52.83	8.6

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

ANSI/WSC (Water System Council) PST2000:2016 Pressurized Water Tank Standard and ASME Code, Section X: 2019 Edition


Technical File Contents

Title	Document Number	Date
Design Technical File	PED 002FW Design Technical File Doc. #1 Rev. A	14 December 2016 & 17 January 2017
1 General Description, 2 Revision Log, 3 Scope, 4 Category of the Product, 5 Manufacturing Drawings & Specifications, 6 Bill of Materials, 7 PMAs, 8 Procedural Specifications, 9 Design Calculations, 11 Declaration of Conformity, 12 Product Technical Bulletin, 13 ESR Checklist, Risk Assessment / Hazard Checklist of Pressure Equipment		

LR Reports

Title	Document Number	Date
Design Appraisal Document	NAO0302020/002/BRG, Issue 4	07 December 2020
Certificate of Inspection	NAO0302020/003	07 December 2006
Inspection Certificate	NAO0302020/5	21 April 2017

Schedule Issue: 01
Date of Schedule Issue: 15 December 2020
LR NL Notified Body Number 0343


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

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:

APPLICANT: Flexcon Industries
300 Pond Street,
Randolph, MA 02368, USA

PRODUCT DESCRIPTION: CUTA, CUTS, GT-CA & GT-CS Fiber-Wound Composite Utility Vessels

PRODUCT TYPE: Pressure Vessels

DESIGN STANDARD: ANSI/WSC (Water System Council) PST2000:2016 Pressurized Water Tank Standard and ASME Code, Section X; 2019 Edition

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

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

Certificate No: 0343/PED/ROT/20040012/J
Original Approval: 19 May 2009
Current Certificate: 15 December 2020
Certificate Expiry: 18 May 2029
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/20040012/J issued on 31 December 2019 which is now under the responsibility of EU Notified Body No. 0343 (LRNL).

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**EU TYPE EXAMINATION CERTIFICATE
PRODUCTION TYPE (MODULE B)
FLEXCON INDUSTRIES
CUTA, CUTS, GT-CA & GT-CS FIBER WOUND COMPOSITE UTILITY
VESSELS
CERTIFICATE NO. 0343/PED/ROT/20040012/J SCHEDULE**

Equipment data

GLOBAL Water Solutions					
Base Item	Type (potable) no RCP	Description	Liter	Gallon	Pressure Rating (bar)
CUB-115LV	CUTA-115-6.9	115-liter tank	115	30.38	6.9
CUB-150LV	CUTA-150-6.9	150-liter tank	150	39.63	6.9
CUB-300LV	CUTA-300-6.9	300-liter tank	300	79.25	6.9
CUB-450LV	CUTA-450-6.9	450-liter tank	450	118.88	6.9
CSN-150LV	CUTS-150-6.9	150-liter tank	150	39.63	6.9
CSN-300LV	CUTS-300-6.9	300-liter tank	300	79.25	6.9
CSN-450LV	CUTS-450-6.9	450-liter tank	450	118.88	6.9

GRUNDFOS						
Base Item	Type (potable) no RCP	Type (Grundfos liter V)	Description	Liter	Gallon	Pressure Rating (bar)
CUB-GFS-115LV	CUTA-115-6.9	GT-CA-115 V	115-liter tank	115	30.38	6.9
CUB-GFS-150LV	CUTA-150-6.9	GT-CA-150 V	150-liter tank	150	39.63	6.9
CUB-GFS-300LV	CUTA-300-6.9	GT-CA-300 V	300-liter tank	300	79.25	6.9
CUB-GFS-450LV	CUTA-450-6.9	GT-CA-450 V	450-liter tank	450	118.88	6.9
CSN-GFS-150LV	CUTS-150-6.9	GT-CS-150 V	150-liter tank	150	39.63	6.9
CSN-GFS-300LV	CUTS-300-6.9	GT-CS-300 V	300-liter tank	300	79.25	6.9
CSN-GFS-450LV	CUTS-450-6.9	GT-CS-450 V	450-liter tank	450	118.88	6.9

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

ANSI/WSC (Water System Council) PST2000:2016 Pressurized Water Tank Standard and
ASME Code, Section X: 2019 Edition

Technical File Contents

Title

Design Technical File
1 General Description, 2 Revision Log,
3 Scope, 4 Category of the Product,
5 Manufacturing Drawings & Specifications,
6 Bill of Materials, 7 PMAs, 8 Procedural
Specifications, 9 Design Calculations,

Document Number

PED 002FWUT Design File Doc#1 Rev. B

Date

20 May 2019

11 Declaration of Conformity, 12 Product
Technical Bulletin, 13 ESR Checklist, Risk
Assessment / Hazard Checklist of Pressure
Equipment

LR Reports

Title

Design Appraisal Document
Certificate of Inspection
Inspection Certificate

Document Number

NAO0302020/003/GVG, Issue 2
NAO0302020/006
PRJ11100228131

Date

07 December 2020
09 April 2009
23 October 2019

Schedule Issue: 01

Date of Schedule Issue: 15 December 2020

LR NL Notified Body Number 0343



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