

## EU TYPE EXAMINATION CERTIFICATE PRODUCTION TYPE

This is to Certify that Lloyd's Register España, S.A. Notified Body for the R.D. 709/2015, which transpose the Pressure Equipment Directive 2014/68/UE, did (in accordance with Module B of the Directive) undertake a 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:** **INDUSTRIAS IBAIONDO, S.A.**  
**Plentzia Bidea nº3**  
**48100 – Mungia (Bizkaia)**

**Product description:** **PRESSURE VESSEL**  
**Product type:** **CLOSED EXPANSION VESSELS BDH FAMILY (Experimental)**

**Design standard:** **EN13831:2007, 6.2 Experimental**

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 LRE of any modification or changes to the equipment in order to maintain a valid certificate."**

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

Certificate No: 0094/PED/MAD/4692 ENG (\*)  
Original Approval: 09 December 2020  
Current Certificate: 09 December 2020  
Certificate Expiry: 28 October 2028

LRE Notified Body Number 0094



Aitziber Gorriño-Beaskoa, Decision Maker

(\*) This certificate transfers LRV Ltd (UK NoBo 0038) certificate No 0038/PED/MAD/4692 ENG issued on 29 October 2018 which is now under the responsibility of EU Notified Body No 0094 (LRE).

## EU TYPE EXAMINATION CERTIFICATE PRODUCTION TYPE

**INDUSTRIAS IBAIONDO, S.A.**  
**Plentzia Bidea n.º3**  
**48100 – Mungia (Bizkaia)**  
**PRESSURE VESSEL**

### CERTIFICATE NO. 0094/PED/MAD/4692 ENG SCHEDULE

#### Equipment Data –BDH FAMILY (Experimental)

Type	Maximum Design Pressure	Volume	Design Temperature
200-DX (304L)	10 bar(g)	200 l	-10 °C / +100°C
300-DX (304L)	10 bar(g)	300 l	-10 °C / +100°C
400-DX (304L)	10 bar(g)	400 l	-10 °C / +100°C
500-DX (304L)	10 bar(g)	500 l	-10 °C / +100°C
500-DX (316L)	10 bar(g)	500 l	-10 °C / +100°C
600-DX (304L)	10 bar(g)	599 l	-10 °C / +100°C
600-DX (316L)	10 bar(g)	599 l	-10 °C / +100°C

**Note: Range of approval above detailed is subject to limits detailed in Design Appraisal Documents: DA18-0048.**

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

**EN13831:2007, 6.2 Experimental**

#### Technical File Contents

##### FAMILIY BDH (Experimental) Documents:

	Revision	Data
3-8559 / Deposito Hidroneumatico Vertical Acero Inoxidable AISI 304L // Volumen 200 lts a 10 bar	e	03-10-2018
3-7309 / Deposito Hidroneumatico Vertical Acero Inoxidable AISI 304L // Volumen 300 lts a 10 bar	d	03-10-2018

## EU TYPE EXAMINATION CERTIFICATE PRODUCTION TYPE

INDUSTRIAS IBAIONDO, S.A.  
Plentzia Bidea nº3  
48100 – Mungia (Bizkaia)  
PRESSURE VESSEL

### CERTIFICATE NO. 0094/PED/MAD/4692 ENG SCHEDULE

#### FAMILY BDH (Experimental) Documents:

	Revision	Data
3-8561 / Deposito Hidroneumatico Vertical Acero Inoxidable AISI 304L // Volumen 400 lts a 10 bar	e	03-10-2018
3-8562 / Deposito Hidroneumatico Vertical Acero Inoxidable AISI 304L // Volumen 500 lts a 10 bar	e	03-10-2018
3-11767 / Deposito Hidroneumatico Vertical Acero Inoxidable AISI 316L // Volumen 500 lts a 10 bar	--	03-10-2018
3-8563 / Deposito Hidroneumatico Vertical Acero Inoxidable AISI 304L // Volumen 599 lts a 10 bar	d	03-10-2018
3-11768 / Deposito Hidroneumatico Vertical Acero Inoxidable AISI 316L // Volumen 599 lts a 10 bar	--	03-10-2018
Point 2.1 // Diseño Experimental	--	03-10-2018
Acumulador Hidroneumático de Membrana // Resultado de Análisis de Riesgos	0	03-10-2018
Acumulador Hidroneumático de Membrana // Listado de Comprobación Requisitos Esenciales de Seguridad	--	03-10-2018
Point 1.6 // Instrucciones de uso y seguridad	--	03-10-2018

#### LR Reports

Title	Document Reference	Date
Visit Report	PRJ 11070413/2	11/09/2018
Design Appraisal Document	DA18-0048 Issue 00	02/10/2018

Schedule Issue: 01  
Date of Schedule Issue: 09 December 2020  
LRE Notified Body Number 0094



Aitziber Gorriño-Beaskoa, Decision Maker