

## EU TYPE EXAMINATION CERTIFICATE DESIGN 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 Design 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:**

**ALBAJES, S.L.**

Passeig Ferrocarrils Catalans, 177  
08940 Cornellà de Llobregat (Barcelona), Spain

**Product description:**

**Safety accessory**

**Product type:**

**Safety Valves**

Family 1 // Fig. 378 and 371 // LV-LM-BV-BM // Relief Opening  
Family 2 // Fig. 375, 376, 385 and 386 // Total opening  
Family 3 // Fig. 395, 396, 397 and 398 // Total opening

**Design standard:**

**EN 12516-3 A/C2013 and EN-ISO 4126-1:2013+A2:2019**

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/1005 ENG (\*)

Original Approval: 12 November 2020

Current Certificate: 12 November 2020

Certificate Expiry: 29 April 2030

LRE Notified Body Number 0094



Cristel López, Decision Maker

(\*)This certificate transfers LRV Ltd (UK NoBo 0038) certificate No 0038/PED/MAD/1005 ENG issued on 30 April 2020 which is now under the responsibility of EU Notified Body No 0094 (LRE)

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**ALBAJES, S.L.**  
Passeig Ferrocarrils Catalans, 177  
08940 Cornellà de Llobregat (Barcelona), Spain

**Safety Accessory**

### CERTIFICATE NO. 0094/PED/MAD/1005 ENG SCHEDULE

#### Equipment data

Type: **SAFETY VALVES**

Maximum Design Pressure and Capacity:

Family	Figure	DN Size		PN
1	368 // 371 BSP / NPT MxH	1/2" x 1/2"	2" x 2"	12 // 16 bar
		3/4" x 3/4"	2 1/2" x 2 1/2"	
2	375 // 376 BSP / NPT MxH	1" x 1"	3" x 3"	25 bar
		1 1/4" x 1 1/4"		
2	385 // 386 BSP / NPT MxH	1 1/2" x 1 1/2"		25 bar
		1/4" x 3/4"	1 1/4" x 1 1/2"	
2	375 // 376 BSP / NPT MxH	3/8" x 3/4"	1 1/4" x 2"	25 bar
		1/2" x 3/4"	1 1/2" x 1 1/2"	
2	385 // 386 BSP / NPT MxH	3/4" x 3/4"	1 1/2" x 2"	25 bar
		1" x 1 1/4"	2" x 2"	
2	375 // 376 BSP / NPT MxH	1 1/4" x 1/4"		25 bar
		1 1/4" x 1/4"		
3	395 // 396 BSP / NPT MxH	Min. 3/8" x 1/2"	Max. 4" x 4"	16 // 25 bar
		1 1/4" x 1 1/2"	1 1/2" x 2"	
3	397 // 398 Flange x H Flange DIN BSP / NPT	1 1/4" x 2"	2" x 2"	16 // 25 bar
		1 1/2" x 1 1/2"	2" x 2"	
3	397 // 398 Flange x H Flange DIN BSP / NPT	1 1/4" x 1 1/2"	1 1/2" x 2"	16 // 25 bar
		1 1/4" x 2"	2" x 2"	
3	397 // 398 Flange x H Flange DIN BSP / NPT	1 1/2" x 1 1/2"		16 // 25 bar
		1 1/2" x 1 1/2"		

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

**EN 12516-3 A/C2013 and EN-ISO 4126-1:2013+A2:2019**

#### Technical File Contents

Document Title	Doc. Number	Issue/ Rev.	Examined Date
Campana salida 3" Fig. 370/371	P37100300200	03-07-08	10-03-2020
Campana salida 3" Fig. 368/369	P36800300200	10-07-08	10-03-2020
Pie de 3" Valv. Seg. Fig. 368/371	P36830000100	24-04-08	10-03-2020
Campana salida 2 ½" Fig. 370/371	P37100240200	03-07-08	10-03-2020
Campana salida 2 ½" Fig. 368	P36800240200	10-07-08	10-03-2020
Pie de 2 ½" Valv. Seg. Fig. 368/371	P36824000100	24-04-08	10-03-2020
Campana salida 2" Fig. 371	P37100200210	07-07-08	10-03-2020
Campana 2" Fig. 368	P36800200210	29-01-09	10-03-2020
Pie de 2" Valv. Seg. Fig. 368/371	P36820000110	24-04-08	10-03-2020
Campana salida 1 ½" Fig. 371	P37100140210	07-07-08	10-03-2020
Campana 1 ½" Fig. 368	P36800140210	10-07-08	10-03-2020
Pie de 1 ½" Valv. Seg. Fig. 368/371	P36814000110	24-04-08	10-03-2020
Campana salida 1 ¼" Fig. 371	P37100120210	03-07-08	10-03-2020
Campana 1 ¼" Fig. 368	P36800120210	10-07-08	10-03-2020
Pie de 1 ¼" Valv. Seg. Fig. 368/371	P36812000110	24-04-08	10-03-2020
Campana salida 1" Fig. 371	P37100100210	03-07-08	10-03-2020
Campana 1" Fig. 368	P36800100210	17-07-08	10-03-2020
Pie de 1" Valv. Seg. Fig. 368/371	P36810000110	24-04-08	10-03-2020
Campana salida ¾" Fig. 371	P37100060210	03-07-08	10-03-2020
Campana ¾" Fig. 368	P36800060210	17-07-08	10-03-2020
Pie de ¾" Valv. Seg. Fig. 368/371	P36806000110	24-04-08	10-03-2020
Campana salida ½" Fig. 371	P37100040210	03-07-08	10-03-2020
Campana ½" Fig. 368	P36800040210	10-07-08	10-03-2020
Pie de ½" Valv. Seg. Fig. 368/371	P36804000110	24-04-08	10-03-2020
Campana salida ¾" Fig. 375/376/377/378	P37500060220	07-03-07	10-03-2020
Pie de Valv. Seg. ¼" x ¾" Fig. 375/376/385/386	P38502060120	14-04-08	10-03-2020
Campana salida ¾" Fig. 375/376/377/378	P37500060220	07-03-07	10-03-2020
Pie de Valv. Seg. 3/8" x ¾" Fig. 375/376/385/386	P38503060120	14-04-08	10-03-2020
Campana salida ¾" Fig. 375/376/377/378	P37500060220	07-03-07	10-03-2020

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### CERTIFICATE NO. 0094/PED/MAD/1005 ENG SCHEDULE

Document Title	Doc. Number	Issue/ Rev.	Examined Date
Pie de Valv. Seg. ½" x ¾" Fig. 375/376/385/386	P38504060120	14-04-08	10-03-2020
Campana salida ¾" Fig. 375/376/377/378	P37500060220	07-03-07	10-03-2020
Pie de Valv. Seg. ¾" x ¾" Fig. 375/376/385/386	P38506060120	16-04-08	10-03-2020
Campana salida 1 ¼" Fig. 375/376/377/378	P37500120220	03-11-08	10-03-2020
Pie de Valv. Seg. 1" x 1 ¼" Fig. 375/376/385/386	P38510120120	30-09-08	10-03-2020
Campana salida 1 ¼" Fig. 375/376/377/378	P37500120220	03-11-08	10-03-2020
Pie de Valv. Seg. 1 ¼" x 1 ¼" Fig. 375/376/385/386	P38512120120	16-04-08	10-03-2020
Campana salida 1 ½" Fig. 375/376/377/378	P37500140220	01-02-13	10-03-2020
Campana salida 2" Fig. 375/376/377/378	P37500200220	01-02-13	10-03-2020
Pie 1 ¼" x 1 ½" y 1 ¼" x 2" Fig. 376/376/385/386	P38512200120	03-02-13	10-03-2020
Campana salida 1 ½" Fig. 375/376/377/378	P37500140220	01-02-13	10-03-2020
Campana salida 2" Fig. 375/376/377/378	P37500200220	01-02-13	10-03-2020
Pie 1 ½" x 2" y 1 ½" x 1 ½" Fig. 376/376/385/386	P3854200120	24-04-08	10-03-2020
Campana salida 2" Fig. 375/376/377/378	P37500200220	01-02-13	10-03-2020
Pie de Valv. Seg. 2" x 2" Fig. 375/376/385/386	P38520200120	24-04-08	10-03-2020
Campana salida ½" Fig. 395/396/385/386/387/388/397/398	P39500040200	07-03-07	10-03-2020
Pie de Valv. Seg. 3/8" x ½" Fig. 385/386	P38503040120	14-04-08	10-03-2020
Campana salida ½" Fig. 395/396/385/386/387/388/397/398	P39500040200	07-03-07	10-03-2020
Pie de Valv. Seg. ½" x ½" Fig. 385/386	P38504040120	14-04-08	10-03-2020
Campana salida ¾" Fig. 395/396/385/386/387/388/397/398	P39500060200	07-03-07	10-03-2020
Pie de Valv. Seg. ½" x ¾" Fig. 385/386	P38504060120	14-04-08	10-03-2020
Campana salida ¾" Fig. 395/396/385/386/387/388/397/398	P39500060200	07-03-07	10-03-2020
Pie de Valv. Seg. ¾" x ¾" Fig. 375/376/385/386	P38506060120	16-04-08	10-03-2020
Campana salida 1" Fig. 395/396/385/386/387/388/397/398	P39500100200	07-03-07	10-03-2020
Pie de Valv. Seg. ¾" x 1" Fig. 385/386	P38506100120	30-09-08	10-03-2020
Campana salida 1" Fig. 395/396/385/386/387/388/397/398	P39500100200	07-03-07	10-03-2020
Pie de Valv. Seg. 1" x 1" Fig. 385/386	P38510100120	30-09-08	10-03-2020
Campana 1 ¼" Fig. 395/396/385/386/387/388/397/398	P39500120200	09-09-90	10-03-2020
Pie de Valv. Seg. 1" x 1 ¼" Fig. 375/376/385/386	P38510120120	30-09-08	10-03-2020

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### CERTIFICATE NO. 0094/PED/MAD/1005 ENG SCHEDULE

Document Title	Doc. Number	Issue/ Rev.	Examined Date
Campana 1 ¼" Fig. 395/396/385/386/387/388/397/398	P39500120200	09-09-90	10-03-2020
Pie de Valv. Seg. 1 ¼" x 1 ¼" Fig. 375/376/385/386	P38512120120	16-04-08	10-03-2020
Campana 1 ½" Fig. 395/396/385/386/387/388/397/398	P39500140200	29-04-08	10-03-2020
Pie de Valv. Seg. 1 ¼" x 1 ½" Fig. 385/386	P38512140120	16-04-08	10-03-2020
Campana 2" Fig. 395/396/385/386/387/388/397/398	P39500200200	29-04-08	10-03-2020
Pie de Valv. Seg. 1 ½" x 2" Fig. 385/386	P38514200120	24-04-08	10-03-2020
Campana 2" Fig. 395/396/385/386/387/388/397/398	P39500200200	29-04-08	10-03-2020
Pie de Valv. Seg. 2" x 2" Fig. 385/386	P38520200120	24-04-08	10-03-2020
Campana 2 ½" Fig. 395/396/385/386/387/388/397/398	P39500240200	29-04-08	10-03-2020
Pie de Valv. Seg. 2" x 2 ½" Fig. 385/386	P38520240120	24-04-08	10-03-2020
Campana 3" Fig. 395/396/385/386/387/388/397/398	P39500300200	29-04-08	10-03-2020
Pie de Valv. Seg. 2 ½" x 3" Fig. 385/386	P38524300120	24-04-08	10-03-2020
Campana 4" Fig. 395/396/385/386/387/388/397/398	P39500400200	29-04-08	10-03-2020
Pie de Valv. Seg. 3" x 4" Fig. 385/386	P38530400120	24-04-08	10-03-2020
Campana 4" Fig. 395/396/385/386/387/388/397/398	P39500400200	29-04-08	10-03-2020
Pie de Valv. Seg. 4" x 4" Fig. 385/386	P38540400120	24-04-08	10-03-2020
Campana ½" Fig. 395/396/385/386/387/388/397/398	P39500040200	07-03-07	10-03-2020
Pie de Valv. Seg. ½" x ½" Fig. 395/396	P39504040100	14-04-08	10-03-2020
Campana ¾" Fig. 395/396/385/386/387/388/397/398	P39500060200	07-03-07	10-03-2020
Pie de Valv. Seg. ½" x ¾" Fig. 395/396	P39504060100	14-04-08	10-03-2020
Campana ¾" Fig. 395/396/385/386/387/388/397/398	P39500060200	07-03-07	10-03-2020
Pie de Valv. Seg. ¾" x ¾" Fig. 395/396	P39506060100	16-04-08	10-03-2020
Campana 1" Fig. 395/396/385/386/387/388/397/398	P39500100200	07-03-07	10-03-2020
Pie de Valv. Seg. ½" x 1" Fig. 395/396	P39504100100	30-09-08	10-03-2020
Campana 1" Fig. 395/396/385/386/387/388/397/398	P39500100200	07-03-07	10-03-2020
Pie de Valv. Seg. ¾" x 1" Fig. 395/396	P39506100100	30-09-08	10-03-2020
Campana 1" Fig. 395/396/385/386/387/388/397/398	P39500100200	07-03-07	10-03-2020
Pie de Valv. Seg. 1" x 1" Fig. 395/396	P39510100100	30-09-08	10-03-2020
Campana 1 ¼" Fig. 395/396/385/386/387/388/397/398	P39500120200	09-09-90	10-03-2020
Pie de Valv. Seg. 1" x 1 ¼" Fig. 395/396	P39510120100	30-09-08	10-03-2020
Campana 1 ¼" Fig. 395/396/385/386/387/388/397/398	P39500120200	09-09-90	10-03-2020
Pie de Valv. Seg. 1 ¼" x 1 ¼" Fig. 395/396	P39512120100	16-04-08	10-03-2020
Campana 1 ½" Fig. 395/396/385/386/387/388/397/398	P39500140200	29-04-08	10-03-2020
Pie de Valv. Seg. 1 ¼" x 1 ½" Fig. 395/396	P39512140100	16-04-08	10-03-2020
Campana 1 ½" Fig. 395/396/385/386/387/388/397/398	P39500140200	29-04-08	10-03-2020

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Document Title	Doc. Number	Issue/ Rev.	Examined Date
Pie de Valv. Seg. 1 ½" x 1 ½" Fig. 395/396	P39514140100	23-04-08	10-03-2020
Campana 2" Fig. 395/396/385/386/387/388/397/398	P39500200200	29-04-08	10-03-2020
Pie de Valv. Seg. 1 ½" x 2" Fig. 395/396	P39514200100	23-04-08	10-03-2020
Campana 2" Fig. 395/396/385/386/387/388/397/398	P39500200200	29-04-08	10-03-2020
Pie de Valv. Seg. 2" x 2" Fig. 395/396	P39520200100	24-04-08	10-03-2020
Campana 2 ½" Fig. 395/396/385/386/387/388/397/398	P39500240200	29-04-08	10-03-2020
Pie de Valv. Seg. 2" x 2 ½" Fig. 395/396	P39520240100	24-04-08	10-03-2020
Campana 3" Fig. 395/396/385/386/387/388/397/398	P39500300200	29-04-08	10-03-2020
Pie de Valv. Seg. 2 ½" x 3" Fig. 395/396	P39524300100	24-04-08	10-03-2020
Campana 4" Fig. 395/396/385/386/387/388/397/398	P39500400200	29-04-08	10-03-2020
Pie de Valv. Seg. 3" x 4" Fig. 395/396	P39530400100	24-04-08	10-03-2020
Campana 4" Fig. 395/396/385/386/387/388/397/398	P39500400200	29-04-08	10-03-2020
Pie de Valv. Seg. 4" x 4" Fig. 395/396	P39540400100	24-04-08	10-03-2020
Campana ¾" Fig. 395/396/385/386/387/388/397/398	P39500060200	07-03-07	10-03-2020
Pie de Valv. Seg. DN15 (½" x ¾") Fig. 397/398	P39704060100	24-04-08	10-03-2020
Campana 1" Fig. 395/396/385/386/387/388/397/398	P39500100200	07-03-07	10-03-2020
Pie de Valv. Seg. DN20 (¾" x 1") Fig. 397/398	P39706100100	30-09-08	10-03-2020
Campana 1 ¼" Fig. 395/396/385/386/387/388/397/398	P39500120200	09-09-90	10-03-2020
Pie de Valv. Seg. DN25 (1" x 1 ¼") Fig. 397/398	P39710120100	30-09-08	10-03-2020
Campana 1 ½" Fig. 395/396/385/386/387/388/397/398	P39500140200	29-04-08	10-03-2020
Pie de Valv. Seg. DN32 (1 ¼" x 1 ½") Fig. 397/398	P39712140100	16-04-08	10-03-2020
Campana 2" Fig. 395/396/385/386/387/388/397/398	P39500200200	29-04-08	10-03-2020
Pie de Valv. Seg. DN40 (1 ½" x 2") Fig. 397/398	P39714200100	24-04-08	10-03-2020
Campana 2 ½" Fig. 395/396/385/386/387/388/397/398	P39500240200	29-04-08	10-03-2020
Pie de Valv. Seg. DN50 (2" x 2 ½") Fig. 397/398	P39720240100	24-04-08	10-03-2020
Campana 3" Fig. 395/396/385/386/387/388/397/398	P39500300200	29-04-08	10-03-2020
Pie de Valv. Seg. DN65 (2 ½" x 3") Fig. 397/398	P39724300100	24-04-08	10-03-2020
Campana 4" Fig. 395/396/385/386/387/388/397/398	P39500400200	29-04-08	10-03-2020
Pie de Valv. Seg. DN80 (3" x 4") Fig. 397/398	P39730400100	24-04-08	10-03-2020
Campana 4" Fig. 395/396/385/386/387/388/397/398	P39500400200	29-04-08	10-03-2020
Pie de Valv. Seg. DN100 (4" x 4") Fig. 397/398	P39740400100	24-04-08	10-03-2020
Campana 2" Fig. 375/376/377/378	P37500200220	01-02-13	10-03-2020
Campana 1 ½" Fig. 375/376/377/378	P37500140220	01-02-13	10-03-2020
Campana ¾" Fig. 375/376/377/378	P37500060220	28-11-11	10-03-2020
Cálculos Resistencia Mecánica de la Envolvente	Figure 368-371	--	10-03-2020

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Document Title	Doc. Number	Issue/ Rev.	Examined Date
Cálculos Resistencia Mecánica de la Envolvente	Figure 375-376	--	10-03-2020
Cálculos Resistencia Mecánica de la Envolvente	Figure 385-386	--	10-03-2020
Cálculos Resistencia Mecánica de la Envolvente	Figure 395-396	--	10-03-2020
Cálculos Resistencia Mecánica de la Envolvente	Figure 397-398	--	10-03-2020
Hojas de Cálculo Coeficiente de Descarga Fig. 375, 385, 376, 386, 395, 396, 397y 398	Anexo 1	--	10-03-2020
Datos Experimentales de las pruebas de Evacuación Aire	Anexo 2	--	10-03-2020
Hojas de Cálculo para obtener Coeficiente de Descarga reducido para líquidos	Anexo 3	--	10-03-2020
Ensayos de Producción Hidrostáticos	Point 6	--	10-03-2020
Programa de Pruebas y Ensayos Parciales según Norma EN ISO 4126-2013+A2:2019 y Norma EN 12516-3	--	--	10-03-2020
Análisis de Riesgos // Válvulas de Seguridad 395, 396, 397, 398, 375, 376, 368 y 371	--	0	10-03-2020
Instrucciones de Almacenamiento, Montaje y Mantenimiento de Válvulas de Seguridad	--	--	10-03-2020
Lista de Comprobación de Requisitos Esenciales de Seguridad // Válvulas de Seguridad 395, 396, 397, 398, 375, 376, 368 y 371	RES	05-10-2015	10-03-2020
PMA's Rg-5, Rg-7, 1.4404, A-351 CF8M, CW614N, CB752S, CB753S, CB754S, Rg-10, Rg-12	PMA's	2	10-03-2020

### LR Reports

Title	Document Number	Date
Inspection Report	PRJ11100255321	30-04-2020
Design Approval Document	DA20-0040	26-02-2020

Schedule Issue: 01  
Date of Schedule Issue: 12 November 2020  
LRE Notified Body Number 0094



Cristel López, Decision Maker