

EC Type Examination Certificate

This is to certify that Lloyd's Register Verification, a Notified Body under the terms of:
The Pressure Equipment Directive 97/23/EC;
The Pressure Equipment Regulations 1999, UK Statutory Instrument 1999 No. 2001 as amended by S.I. 2002 No. 1267 and S.I. 2015 No. 399 did (in accordance with Module B of the Directive) undertake an EC 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: **Albajes S.L.**
Paseo Ferrocarriles Catalanes, 177
08940 Cornellá de Llobregat (España)

Product description: Accesorio a presión

Product type: Safety Valves Families 1, 2 & 3. Fig: 368, 371, 375, 376, 385, 386, 395, 396, 397 y 398

Design standard: EN 12516-3 A/C: 2003 & ISO 4126-1:2004

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 in order to maintain a valid certificate."

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

Certificate No: 0038/PED/MAD/1005
Original Approval: 18 February 2010
Current Certificate: 28 April 2016
Certificate Expiry: 18 February 2020
LRV Notified Body Number 0038



Teresa Souto on behalf of Lloyd's Register Verification

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EC Type Examination (Module B)

Albajes S.L.
Paseo Ferrocarriles Catalanes, 177
08940 Cornellá de Llobregat (España)

Pressure vessel

Certificate No. 0038/PED/MAD/1005 Schedule

Equipment data

Type: Safety valves Families 1, 2 & 3. Fig: 368, 371, 375, 376, 385, 386, 395, 396, 397 and 398

Maximum Working Pressure: Several pressures (following table below)

Capacity: Several volumes (following table below)

Family	Figure	DN		PN
1	368/371 BSP MxH	3/8" x 3/8" 1/2" x 1/2" 3/4" x 3/4" 1" x 1" 1" 1/4 x 1" 1/4	1" 1/2" x 1/2" 2" x 2" 2" 1/2" x 2" 1/2" 3" x 3"	12/16
2	375/376 BSP/NPT MxH	1/4" x 3/4" 3/8" x 3/4" 1/2" x 3/4" 1 1/4" x 1 1/2" 1 1/4" x 2" 1 1/2" x 1 1/2"	3/4" x 3/4" 1" x 1" 1/4" 1" 1/4" x 1/4" 1 1/2" x 2" 2" x 2"	25
	385/386 BSP/NPT MxH	Mínima 3/8" x 1/2"	Máxima 4" x 4"	25
3	395/396 BSP/NPT M x H	Mínima 3/8" x 1/2"	Máxima 4" x 4"	16/25
	397/398 Brida x H Brida DIN BSP/NPT	DN15 x 3/4" ND20 x 1" ND 25 x 1" 1/4 ND32 x 1" 1/2" DN40 x 2"	DN50 x 2" 1/2" DN65 x 3" DN80 x 4" DN100 x 4"	16/25

The undermentioned documents have been reviewed for compliance with the Pressure Equipment Directive 97/23/EC and following Design Code(s):

EN 12516-3 A/C: 2003 & ISO 4126-1:2004

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Technical File Contents

Document number	Title	Date
Fig. 368 BM Rev. 0	Safety Valve Bronze metal seal	15.02.2010
Fig. 368 BV Rev. 0	Safety Valve Bronze Vitón seal	15.02.2010
Fig. 368 LM Rev. 0	Safety Valve Brass metal seal	15.02.2010
Fig. 368 LV Rev. 0	Safety Valve Brass Vitón seal	15.02.2010
Fig. 371 BM Rev. 0	Safety Valve Bronze metal seal	15.02.2010
Fig. 371 BV Rev. 0	Safety Valve Bronze Vitón seal	15.02.2010
Fig. 371 LM Rev. 0	Safety Valve Brass metal seal	15.02.2010
Fig. 371 LV Rev. 0	Safety Valve Brass metal seal	15.02.2010
Fig. 375 Rev. 0	Safety Valve "ALPER" total INOX c/Metal	15.02.2010
Fig. 376 Rev. 0	Safety Valve "ALPER" total INOX c/Metal	15.02.2010
Fig. 385a Rev. 0	Safety Valve "ALPER" Mixta	15.02.2010
Fig. 385b Rev. 0	Safety Valve "ALPER" Mixta	15.02.2010
Fig. 386a Rev. 0	Safety Valve "ALPER" Mixta	15.02.2010
Fig. 386b Rev. 0	Safety Valve "ALPER" Mixta	15.02.2010
Fig. 395 aM Rev. 0	Safety Valve "ALPER" c/Metal	15.02.2010
Fig. 395 aP Rev. 0	Safety Valve "ALPER" c/PTFE	15.02.2010
Fig. 395 bM Rev. 0	Safety Valve "ALPER" c/Metal	15.02.2010
Fig. 395 bP Rev. 0	Safety Valve "ALPER" c/PTFE	15.02.2010
Fig. 396 aM Rev. 0	Safety Valve "ALPER" c/Metal	15.02.2010
Fig. 396 aP Rev. 0	Safety Valve "ALPER" c/PTFE	15.02.2010
Fig. 396 bM Rev. 0	Safety Valve "ALPER" c/Metal	15.02.2010
Fig. 396 bP Rev. 0	Safety Valve "ALPER" c/PTFE	15.02.2010
Fig. 397 M Rev. 0	Safety Valve "ALPER" c/Metal	15.02.2010
Fig. 397 P Rev. 0	Safety Valve "ALPER" c/PTFE	15.02.2010
Fig. 398 M Rev. 0	Safety Valve "ALPER" c/Metal	15.02.2010
Fig. 398 P Rev. 0	Safety Valve "ALPER" c/PTFE	15.02.2010
Fig. 375 a Rev. 1	Safety Valve "ALPER" total INOX c/Metal	28.04.2015

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Pressure vessel

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Document number	Title	Date
Fig. 375 b Rev. 1	Safety Valve "ALPER" total INOX c/Metal	28.04.2015
Fig. 376 a Rev. 1	Safety Valve "ALPER" total INOX c/Metal	28.04.2015
Fig. 376 b Rev. 1	Safety Valve "ALPER" total INOX c/Metal	28.04.2015
---	Determination of reduced discharge coefficient for gases steams and liquids	15.02.2010
---	Annex 1: Spreadsheets for the obtention of discharge coefficient for gases and steams	15.02.2010
---	Annex 2: Experimental test data air evacuation	15.02.2010
---	Annex 3: Spreadsheets for the obtention of discharge coefficient for liquids	15.02.2010
---	Risk analysis	15.02.2010
---	Instructions	15.02.2010
---	Check list Essential Safety Requirements	15.02.2010

LR Reports

Title	Document Number	Date
Inspection Report	BCL8090558	18/02/2010
Check List	BCL8090558	18/02/2010
Design Appraisal Document	ZAR8090416/RL/1	15/02/2010
Inspection Report	BCL8150520	28/04/2015
Design Appraisal Document	ZAR8152085/RL/1	28/07/2015

Schedule Issue: 01
Date of Schedule Issue: 28 April 2015
LRV Notified Body Number 0038



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