

FULL QUALITY ASSURANCE CERTIFICATE

Certificate No.: 4490-2014-CE-RGC-ACCREDIA

Initial date:
10 October, 2008Valid:
16 April, 2017– 15 April, 2020

This certificate consists of 3 pages

This is to certify that the quality system of

JDV control Valves Co., Ltd.

No. 6-1& No. 7, Qingnian Rd., Yangmei Distric, Taoyuan City, Taiwan

has been assessed and found to comply with respect to the conformity assessment procedure described in:

ANNEX III MODULE H OF DIRECTIVE 2014/68/EU ON PRESSURE EQUIPMENT

This certificate is valid for the following scope:

Type of Pressure Equipment	Pressure Accessories
Product Name	Ball, Check, Gate, Globe and Butterfly Valves

Place and date:
Vimercate 11 April, 2017

SGQ N°003 A PRD N°003 B
SGA N°003 D SSI N°002 G
SCR N°004 F FSM N°001 I

Membro di MLA EA per gli schemi di accreditamento SGQ,
SGA, PRD, PRS, ISP e LAB, di MLA IAF per gli schemi di
accreditamento SGQ, SGA, SSI, FSM e PRD
e di MRA ILAC per gli schemi di accreditamento LAB

For the notified body 0496:
**DNV GL Business Assurance Italia
S.r.l.**

Nicola Privato
Management Representative

Certificate No.: 4490-2014-CE-RGC-ACCREDIA
 Place and date: Vimercate (MB) 11 April, 2017
 Revision No: 01

Jurisdiction

Application of Directive 2014/68/EU and Decreto Legislativo n.26 of 15 February 2016.

Certificate history

Revision	Description	Issue date
0.0	Certificate PED-H-139 issued by Det Norske Veritas AS, Norway	2008-10-10
0.1	Certificate 104542-2011-CE-RGC-DNV issued by Det Norske Veritas AS, Norway	2011-10-10
00	This certificate No. 4490-2014-CE-RGC-ACCREDIA	2014-05-01
01	Re-certification	2017-04-11

Products covered by this certificate

Type of valves	Design Code	Size ²⁾³⁾	Class		Accepted for		Material in valve body	
					PED Cat.	Fluid	Material ¹⁾	Temperature range °C ⁴⁾
Ball	EN 13709 ASME B16.34 EN 12516-1,- 2 EN 12213-4	DN 25 ↓ DN600	#150 ↓ #1500	PN10 ↓ PN100	III	Group I and II	A105 A182 F51 A216 WCB A217 WC6 A217 WC9 A351 CF3 A351 CF3M A351 CF8 A351 CF8M A351 CG8M A352 LCB A352 LCC A995 CD3MN	0 - 425 0 - 315 0 - 425 0 - 595 0 - 595 Min. ⁵⁾ - 425 Min. ⁵⁾ - 455 Min. ⁵⁾ - 538 Min. ⁵⁾ - 538 Min. ⁵⁾ - 538 -46 - 345 -46 - 345 0 - 50
Check	BS 1868 ASME B16.34 EN12516-1 - 2 EN 12213-4	DN 25 ↓ DN600	#150 ↓ #1500	PN10 ↓ PN100	III	Group I and II		
Gate	EN 1171:2002 EN 1984:2000 ASME B16.34 API 600 EN 12516-1,- 2 EN 12213-4	DN 25 ↓ DN600	#150 ↓ #1500	PN10 ↓ PN100	III	Group I and II		
Globe	BS 1873 ASME B16.34 EN 12516-1,- 2 EN12213-4	DN 25 ↓ DN600	#150 ↓ #1500	PN10 ↓ PN100	III	Group I and II		
Butterfly	API 609	DN 50 ↓ DN600	#150 ↓ #600		III	Group I and II		

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Notes:

- 1) Material must comply with the relevant PMA documents (Particular Material Appraisal).
- 2) The range of sizes shall not exceed the limitations specified in applied design standard/code.
- 3) Valves with nominal diameter DN25 or smaller are covered by Article 4 Paragraph 3 in PED. Those valves shall not be CE-marked and are therefore excluded from this certificate.
- 4) Some material grades are accepted used for temperature ranges outside the temperature ranges as specified below provided criteria in the PMA-document are considered.
- 5) Minimum temperature is limited to criteria in applied design standard/code.

Sites covered by this certificate

Site name	Site Address	Audited by	Date	Report ref
JDV CONTROL VALVE CO. LTD.,	No.6-1 & No.7, Qingnian Rd.Yangmei Distric, Taoyuan City, Taiwan.	Euler Chen in Taiwan DNVGL	9, 10 January, 2017	PRJC-269440 on 10 January, 2017

Applications/limitations

- The seal pressure - temperature rating shall be larger than the maximum temperature of valve.
- The pressure - temperature rating of a valve is lower of body material temperature-pressure rating and seal temperature- pressure rating.
- For valves with PTFE seals, design temperature is 180°C.

Performed audits

Assessment has been carried out on the production site by DNVGL Business Assurance Co., (Taiwan), as described in Assessment Report dated 2017-1-10.

The following may render this certificate invalid:

- changes in the quality system affecting production;
- periodical audits not held within the allowed time window.

Terms and conditions for the certificate

Valid terms and conditions are found in the DNV GL 's PED Certification Rules

END OF CERTIFICATE