



DNV BUSINESS ASSURANCE

EC DESIGN - EXAMINATION CERTIFICATE

Certificate No. **4831-2014-CE-IND-ACCREDIA**

This certificate consists of 4 pages.

This is to certify that the design of the product(s)

Pressure Accessory

with name and/or type designation(s)

Ball Valves

manufactured by

Delval Flow Controls Pvt. Ltd.

Gat No.: 25, 37 and 43/1A, Village: Kavathe, Post: Javale, Tal: Khandala, Dist.: Satara,
Maharashtra - 412 801, India

has been assessed with respect to

*the conformity assessment procedure described in annex III (module B1)
of Directive 97/23/EC on pressure equipment, as amended, and found to comply.*

Further details are given in the following pages.



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

Giovanni Cortesi
Technical Reviewer

Place and date

Vimercate (MB), 2014-12-09

for the Notified Body 0496

DNV GL Business Assurance Italia S.r.l.

Renato Grottola
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DNV GL BUSINESS ASSURANCE ITALIA S.R.L. - CENTRO DIREZIONALE COLLEONI - PALAZZO SIRIO 2 - V.LE COLLEONI, 9 - 20864 AGRATE BRIANZA (MB) - ITALY
(FROM OCTOBER, 6th 2014 VIA ENERGY PARK, 14 - 20871 VIMERCATE (MB) - ITALY) - TEL. +39 039 68 99 905 - WWW.DNVBA.COM/IT



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Jurisdiction

Application of Pressure Equipment Directive 97/23/EC of the European Parliament and of the Council and Decreto Legislativo No. 93 of 25 February 2000.

Certificate history

Revision	Description	Issue date
00	Original certificate	2014-12-09

Products covered by this certificate

Product name	Product Version	Pressure Rating	Category	Applied product standards
Floating Ball Valves	Series 65 (Full bore type) Sizes: 1 1/2", 2", 2 1/2", 3", 4", 5", 6", 8", 10 & 12"	Class 150	Up to III	ASME B16.34, EN 12516-1, EN 12516-2, EN ISO 17292 and ASME VIII Div. 1
	Series 69 (Reduced bore type) Sizes: 1 1/2", 2", 2 1/2", 3", 4", 6", 8" & 12"	Class 150		
	Series 66 (Full bore type) Sizes: 1 1/2", 2", 2 1/2", 3", 4", 5" 6 & 8"	Class 300		
	Series 70 (Reduced bore type) Sizes: 1 1/2", 2", 3", 4" & 6"	Class 300		
	Series 67 (Full bore type) Sizes: 1 1/2", 2", 2 1/2", 3" & 4"	Class 600		
	Series 68 (Full bore type) Sizes: 1 1/2" & 2"	Class 900		
Trunnion Mounted Ball Valves	Sizes: 2", 3", 4", 6" 8", 12" & 16" (Full bore type)	Class 150	Up to III	ASME B16.34, EN 12516-1, EN 12516-2, EN ISO 17292 and ASME VIII Div. 1
	Size: 6" (Reduced bore type)	Class 150		
	Sizes: 2", 4", 6", 8" 10" & 12" (Full Bore)	Class 300		
	Size: 8" (Reduced bore type)	Class 300		
	(Full bore type) Sizes: 2", 3", 4", 6" 8, & 16"	Class 600		
	(Reduced bore type) Sizes: 2", 3", 4", 6" & 8"	Class 600		
	(Full Bore type) Sizes: 2", 3" & 4"	Class 900		
	(Full Bore type) Size: 3" & 4"	Class 1500		

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Design Data

Maximum allowable pressure (PS)	Minimum/maximum allowable temperature (TS)	Fluid	Fluid group
As per ASME B16.34	As per ASME B16.34	Liquid/gas	1/2

Applications/Limitations

- for valves of pressure ratings Class 600/ 900/ 1500/ 2500, casting quality factor not to exceed 100% may be applied if and only if the castings are examined in accordance with all the requirements of mandatory Appendix-7 of ASME Section VIII Div. 1 otherwise casting quality factor is limited to 80%;
- repair welding to be approved by Notified Body as per applicable code / permitted by the standard and by purchaser where applicable;
- pressure – temperature rating shall be as per ASME B16.34.

Documents reviewed

Documents reviewed are the ones shown in design verification report, document DVR-4831-2014-CE-IND-ACCREDIA dated 2014-09-19.

Particular material appraisal for pressurized parts

The materials listed below have been subject to Particular Material Appraisal as required by PED, Annex I, Sec. 4.2b. This Particular Material Appraisal covers materials for components to equipment described in this certificate.

Sl. No.	Material Specification	Material Grade	PMA Document No.	Revision
1.	ASTM A216	WCB	MSS – 400	03
2.	ASTM A352	LCB	MSS – 401	04
3.	ASTM A351	CF8M	MSS – 403	01
4.	ASTM A351	CF8	MSS – 404	01
5.	ASTM A351	CF3M	MSS – 405	01
6.	ASTM A351	CF3	MSS – 406	01
7.	ASTM A182	F316	MSS – 408	03
8.	ASTM A182	F316L	MSS – 409	03
9.	ASTM A182	F51	MSS – 410	01
10.	ASTM A479	410	MSS – 411	01
11.	ASTM A479	316	MSS – 414	01
12.	ASTM A479	316L	MSS – 415	01

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13.	ASTM A479	304	MSS – 416	01
14.	ASTM A479	304L	MSS – 417	01
15.	ASTM A193	B8	MSS – 419	01
16.	ASTM A193	B8M	MSS – 420	01
17.	ASTM A193	B7	MSS – 421	01
18.	ASTM A193	B7M	MSS – 422	01
19.	ISO 3506	A2-70	MSS – 430	02
20.	ASTM A995	4A	MSS – 432	00
21.	ASTM A995	5A	MSS – 433	00
22.	ASTM A995	6A	MSS – 434	00
23.	ASTM A320	L7	MSS – 437	00
24.	ASTM A320	L7M	MSS – 438	00
25.	ASTM A479	S31803	MSS – 439	00

Terms and conditions

The certificate is subject to the following terms and conditions:

- in case of damages caused by defective products, Council Directive 85/374/EEC, as amended, will apply;
- the certificate is only valid for the product(s) listed above;
- the certificate is concerned with the design of the product, only.

The following may render this certificate invalid:

- changes in the design or construction of the product(s);
- changes or amendments to the referenced directive(s);
- changes or amendments in the standard(s) which form the basis for documenting compliance with the essential requirements of the directive(s).

Conformity declaration and marking of product

This certificate does not give the manufacturer the right to CE mark and put on the market the product(s) listed on this certificate. Only after the product(s) have been found to comply with the requirements in a following Conformity Assessment Module D or F, the manufacturer may draw up an EC declaration of conformity and legally affix the CE mark followed by the identification number of the Notified Body involved in these modules.

END OF CERTIFICATE

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