



# DNV BUSINESS ASSURANCE

## FULL QUALITY ASSURANCE CERTIFICATE – EC

*Certificate No. 76547-2010-CE-IND-ACCREDIA*

*This certificate consists of 5 pages*

*This is to certify that the quality management system of*

***VAAS Automation Private Limited***

***No.73, Seevaram Village, Old Mahabalipuram Road, Chennai - 600 096 - India***

*for design, production, final product inspection and testing of*

***Ball valves***

*has been assessed with respect to  
the conformity assessment procedure described in annex III (Module H)  
of Directive 97/23/EC on Pressure Equipment, as amended, and found to comply.*

*Further details are given in the following pages*

*Initial certification date*

**2010-04-21**

*This certificate is valid until*

**2016-04-20**



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, PMS, 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

*Place and date*

**Agrate Brianza, 2013-05-08**

*for the Notified Body 0496*

**Det Norske Veritas Italia S.r.l.**

**Giovanni Cortesi**  
*Technical Reviewer*

**Renato Grottola**  
*Management Representative*

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### Jurisdiction

Application of Directive 97/23/EC and Decreto Legislativo No. 93 of 25 February 2000

### Certificate history

Revision	Description	Issue date
01	Re-certification by Det Norske Veritas Italia S.r.l.	2013-05-08
00	Original certificate issued by Det Norske Veritas AS, Norway	2010-04-21

### Products covered by this certificate

No.	Product description	Product version	Pressure rating	Scheme	Category	CAM
1	Ball Valve – Single Piece RB Flanged (Series 32)	DN 32 to DN 250	Class 300	PED (97/23/EC)	Category III	CAM H
2	Ball Valve – Single Piece RB Flanged (Series 31)	DN 32 to DN 300	Class 150	PED (97/23/EC)	Category III	CAM H
3	Ball Valve - Three piece RB/FB – Welded, screwed & Flanged (Series 47)	DN 32 to DN 50	Class 600	PED (97/23/EC)	Category III	CAM H
		DN 65 to DN 150	Class 300			
4	Ball Valve - Two Piece FB – Flanged (Series 73)	DN 32 to DN 300	Class 150	PED (97/23/EC)	Category III	CAM H
5	Ball Valve - Two Piece FB – Flanged (Series 74)	DN 32 to DN 300	Class 300	PED (97/23/EC)	Category III	CAM H
6	Ball Valve- Three piece RB/FB – Screwed, Welded, Flanged (Series 27)	DN 32 to DN 65	Class 2500	PED (97/23/EC)	Category III	CAM H
		DN 80 to DN 150	Class 1500			
7	Ball Valve – Two piece FB – Flanged (Series 90)	DN 32 to DN 50	PN 40	PED (97/23/EC)	Category III	CAM H
		DN 65 to DN 250	PN 16			
8	Ball Valve – Two piece FB – Flanged (Series 75)	DN 65 to DN 300	Class 150	PED (97/23/EC)	Category III	CAM H
9	Ball Valve – Three piece RB/FB-3/4 way (Series 61)	DN 32 to DN 150	Class 150	PED (97/23/EC)	Category III	CAM H
10	Ball Valve – Three piece – Bioprocessing Equipment Clean valve – BWO, ETO, TC, SMS, etc. (Series 48)	DN 32 to DN 100	Class 800 derated according to end connection	PED (97/23/EC)	Category III	CAM H

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DET NORSKE VERITAS ITALIA S.r.l. - CENTRO DIREZIONALE COLLEONI - PALAZZO SIBIO - V.LE COLLEONI 9 - 20864 AGRATE BRIANZA (MB) - ITALY - TEL. 039.68 99 905 - WWW.DNVBA.COM/IT



Certificate No. 76547-2010-CE-IND-ACCREDIA

No.	Product description	Product version	Pressure rating	Scheme	Category	CAM
11	Ball Valves – Single RB – Flanged (Series 35)	DN 32 to DN 300	Class 150	PED (97/23/EC)	Category III	CAM H
12	Ball Valve – Three Piece RB/ FB – Screwed, Welded, Flanged (Series 45)	DN 32 to DN 150	1000 WOG	PED (97/23/EC)	Category III	CAM H

**Applied standards:**

ASME B16.34, EN 12516-1, BS EN ISO 17292, ASME B16.10, ASME B16.25, EN 12266-1 & 2, API 598, API 607, EN 1983, EN 12982, EN 558-2, EN 12627, EN ISO 10497

**Applications/Limitations:**

- intended for group 1 and 2 fluids. Pressure equipment category I to III;
- pressure equipment complying with article 3, paragraph 3 shall not bear CE marking according to pressure equipment directive;
- all bought-out components used shall be in compliance with applicable EU Directive(s).

**Sites covered by this certificate**

Site name	Address
Vaas Automation Private Limited	No. 73, Seevaram Village, Old Mahabalipuram Road, Chennai - 600 096 - India

**Performed audit**

The assessment of the manufacturer's quality system has been carried out to verify that the relevant requirements relating to the above listed products have been implemented. The assessment has been performed as described in the related report dated 2013-03-28.

**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

No.	Material standard	Material grade	Issue date	Revision
1	ASTM A352	LCB	2010-05-14	0
2	ASTM A351	CF8M	2010-05-14	0
3	ASTM A351	CF8	2010-05-14	0
4	ASTM A351	CF3M	2010-05-14	0
5	ASTM A351	CF3	2010-05-14	0

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Certificate No. 76547-2010-CE-IND-ACCREDIA

No.	Material standard	Material grade	Issue date	Revision
6	ASTM A351	CD4MCu	2010-05-14	0
7	ASTM A351	CN7M	2010-05-14	0
8	DIN 17440	1.4404	2010-05-14	0
9	DIN 17445	1.4408	2010-05-14	0
10	ASTM A494	CW12MW	2010-05-14	0
11	ASTM A494	CW-6MC	2010-05-14	0
12	ASTM A494	CX2MW	2010-05-14	0
13	ASTM A494	M-35-1	2010-05-14	0
15	ASTM A105	Not applicable	2010-05-14	0
16	ASTM A182	F304	2010-05-14	0
17	ASTM A182	F304L	2010-05-14	0
18	ASTM A182	F316	2010-05-14	0
19	ASTM A182	F316L	2010-05-14	0
20	ASTM A479	316L	2010-05-14	0
21	ASTM A479	316	2010-05-14	0
22	ASTM A479	304L	2010-05-14	0
23	ASTM A479	304	2010-05-14	0
24	ASTM A193	B8M, B7M	2010-05-14	0
25	ASTM A193	B8, B7	2010-05-14	0
26	ASTM A312	TP316L	2010-05-14	0
27	ASTM A312	TP304L	2010-05-14	0
28	ASTM A216	WCB	2010-05-14	0
29	ISO 3506	A2 - 70	2012-08-23	0
30	ASTM A276	304	2012-08-27	0

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### 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 products and/or manufacturing premises listed above;
- the manufacturer shall fulfil the obligations arising out of the quality system as approved and uphold it so that it remains adequate and efficient;
- the manufacturer shall inform Det Norske Veritas AS – India Branch of any intended updating of the quality system and Det Norske Veritas AS – India Branch will assess the changes and decide if the certificate remains valid;
- periodical audits will be held, in order to verify that the manufacturer maintains and applies the quality system. Det Norske Veritas AS – India Branch reserves the right, on a spot basis or based on suspicion, to pay unannounced visits;
- Det Norske Veritas AS – India Branch must be informed of any sub-suppliers for main pressure retaining parts.

The following may render this certificate invalid:

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

### Conformity declaration and marking of product

When meeting with the terms and conditions above, the manufacturer may draw up an EC declaration of conformity and legally affix the CE mark followed by the Notified Body identification number (0496) of Det Norske Veritas Italia S.r.l.

**END OF CERTIFICATE**

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