



DET NORSKE VERITAS

FULL PRODUCT QUALITY MANAGEMENT CERTIFICATE - EC

Certificate No. 89256-2010-CE-IND-DNV
This Certificate consists of 5 pages

This is to certify that the Quality Management System of

Delval Flow Controls Pvt. Ltd.

Gat No.: 625/1/2, Kuruli, Tal.: Khed, Pune Nasik Highway, Pune – 410 501, India

for design, production and final product inspection/testing of

Pressure Accessories Butterfly and Ball Valves

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

Further details are given overleaf

Place and date:

Høvik, 2011-01-06

This Certificate is valid until:

2014-01-06

for DET NORSKE VERITAS AS

Spæren, Marianne
Certification Manager



Notified Body No.:
0575

Parthasarathy, Kannan
Technical Reviewer

Notice: The certificate is subject to terms and conditions overleaf. Any significant changes in design or construction may render this certificate invalid.

The digitally signed and electronically distributed document is the original and valid certificate. Ref.: www.dnv.com/digitalsignatures

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 300.000. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Cert. No.: 89256-2010-CE-IND-DNV
Project No.: PRJC-256073-2010-PRC-IND

Jurisdiction

Application of Council Directive 97/23/EC of 29 May 1997 on Pressure Equipment, adopted as regulation of 1999-06-09 no. 721 "Forskrift for Trykkpåkjent Utstyr" by the Norwegian Directorate of Civil Protection and Emergency Planning and by the Petroleum Safety Authority Norway.

Certificate history

Revision	Description	Issue Date
-	Original certificate	2011-01-06

Products covered by this Certificate

Sl. No.	Product	Product Version*	Size	Pressure Rating
1	Split Body Butterfly Valve	Series 40/ 41 (Cast Iron & Ductile Iron)	DN 50 to DN 250	PN 10
			DN 300 to DN 450	PN 6
			DN 500 to DN 600	PN 2.5
			Series 40/ 41	DN 50 to DN 600
2	High Pressure Teflon Butterfly Valve	Series 42/ 43 (Cast Iron & Ductile Iron)	DN 50 to DN 250	PN 10
			DN 300 to DN 450	PN 6
			DN 500 to DN 600	PN 2.5
			Series 42/ 43	DN 50 to DN 600
3	Wafer/ Lug/ Double Flanged Butterfly Valve	Series 44/ 45/ 46	DN 50 to DN 1200	Class 150
		Series 47/ 48/ 49	DN 50 to DN 600	Class 300
4	Wafer/ Lug Butterfly Valve	Series 4M/ 4N	DN 50 to DN 600	Class 600
		Series 50/ 52 (Cast Iron & Ductile Iron)	DN 50 to DN 250	PN 10
			DN 300 to DN 450	PN 6
			DN 500 to DN 600	PN 2.5
		Series 50/ 52	DN 50 to DN 300	Class 150
		DN 350 to DN 600	PN 16	
5	Wafer/ Flanged Butterfly Valve	Series 51/ 53 (Cast Iron & Ductile Iron)	DN 650 to DN 1000	PN 2.5
		Series 51/ 53	DN 650 to DN 1000	PN 10



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6	Double Flanged Butterfly Valve	Series 55	DN 650 to DN 1200	Class 150
			DN 1300 to DN 2200	PN 10
7	High Flow Butterfly Valve	Series 56/ 57 (Cast Iron & Ductile Iron)	DN 50 to DN 250	PN 10
			DN 300 to DN 450	PN 6
			DN 500 to DN 600	PN 2.5
		Series 56/ 57	DN 50 to DN 300	Class 150
			DN 350 to DN 600	PN 16
8	Triple Eccentric Butterfly Valve	Series 4A/ 4B/ 4C	DN 50 to DN 600	Class 150
		Series 4D/ 4E/ 4F	DN 50 to DN 600	Class 300
9	Floating Ball Valve – RB/ FB	Series 65/ 69	DN 15 to DN 300	Class 150
		Series 66/ 70	DN 15 to DN 200	Class 300
		Series 67/ 71	DN 15 to DN 200	Class 600
		Series 68/ 72	DN 25 to DN 80	Class 900
10	Screwed End Ball Valve – RB/ FB	Series 64	DN 15 to DN 50	Class 150/ 300/ 400 (1000 WOG)
11	Trunnion Mounted Ball Valve – 2 Piece – RB/ FB	Series 7A/ 7B/ 7C/ 7D	DN 50 to DN 300	Class 150/ 300/ 600/ 900
		Series 7E	DN 50 to DN 150	Class 1500
12	Trunnion Mounted Ball Valve – 3 Piece – RB/ FB	Series 8A/ 8B/ 8C	DN 350 to DN 600	Class 150/ 300/ 600
		Series 8D	DN 350 to DN 450	Class 900
		Series 8E	DN 200 to DN 400	Class 1500

* - Valve series not marked with 'Cast Iron & Ductile Iron' are manufactured from raw material grades listed in ASME B16.34 & EN 12516 – 1.

Applied Standards

ASME B16.34, ASME B16.10, ASME B16.5, ASME B16.47, ASME B16.1, ASME B16.42, ASME Sec. VIII Div. 1, API 609, API 6D, API 598, API 607, API 6FA, EN 12516, EN 12266, EN 593, EN 558, EN 1092 -1 & 2, EN ISO 17292, EN ISO 10497, EN ISO 5211, ISO 5752.

Sites covered by this Certificate

Site Name	Address
Delval Flow Controls Pvt. Ltd.	Gat No.: 625/1/2, Kuruli, Tal.: Khed, Pune Nasik Highway, Pune – 410 501, India



Applications/Limitations

- Intended for Group 1 and 2 fluids. Pressure Equipment Category I to III.
- Pressure equipment complying with Article 3, Para 3 shall not bear CE marking according to Pressure Equipment Directive.
- Regarding any welding or welding repair where permitted by applicable Standard. For PED Category II & III, the welding procedure and personnel qualification as applicable as per Annex I clause 3.1.2 of PED 97/23/EC must be approved by a notified body or a recognised third party organization.

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	PMA Document No.	Revision
1	ASTM A216 Gr. WCB	MSS – 400	03
2	ASTM A352 Gr. LCB	MSS – 401	04
3	ASTM A351 Gr. CF8M	MSS – 403	01
4	ASTM A351 Gr. CF8	MSS – 404	01
5	ASTM A351 Gr. CF3M	MSS – 405	01
6	ASTM A351 Gr. CF3	MSS – 406	01
7	ASTM A351 Gr. CN7M	MSS – 407	01
8	ASTM A182 Gr. F316	MSS – 408	03
9	ASTM A182 Gr. F316L	MSS – 409	03
10	ASTM A182 Gr. F51	MSS – 410	01
11	ASTM A479 Type 410	MSS – 411	01
12	ASTM A479 Type 316	MSS – 414	01
13	ASTM A479 Type 316L	MSS – 415	01
14	ASTM A479 Type 304	MSS – 416	01
15	ASTM A479 Type 304L	MSS – 417	01
16	ASTM A193 Gr. B8	MSS – 419	01
17	ASTM A193 Gr. B8M	MSS – 420	01
18	ASTM A193 Gr. B7	MSS – 421	01
19	ASTM A193 Gr. B7M	MSS – 422	01
20	EN 1561 Gr. EN-GJL-250 (EN-JL-1040)	MSS – 429	02
21	ISO 3506 – 1 Gr. A2-70	MSS – 430	02
22	EN 1561 Gr. EN-GJL-250 (EN-JL-1040)	MSS – 431	00



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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, 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 the local DNV Office of any intended updating of the quality system and DNV 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 DNV reserves the right, on a spot basis or based on suspicion, to pay unannounced visits.

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 producer may draw up an EC declaration of conformity and legally affix the CE mark followed by the Notified Body identification number of DNV 0575.

END OF CERTIFICATE