



DEMBLA VALVES PRIVATE LIMITED
1-ADARSH INDUSTRIAL ESTATE,
POKHRAN ROAD NO. 1,
UPVAN, THANE,
MAHARASHTRA, 400 606, India

Reference: ASu/280553
Project Number: 1634965

18 October 2007

Attn: Mr. Vijay Budhlani
Vice President

Butterfly Valve (Additional)
Model: 741W (7400 series)
Type Approval – Design Assessment (DA)

Gentlemen:

We have your application for type approval by email dated 20 July 2007 to our Mumbai office and your letter received by our Mumbai office on 27 September 2007 submitting the CD of documents for the additional material on the above subject. In this regard, we are pleased to advise that we have completed the design assessment phase of the type approval process.

Enclosed is your original copy of the revised "**Design Assessment (DA) Certificate Attachment for Listing**" which supersedes the previous one issued by our letter of Reference No. 210286 dated 20 December 2006. In addition, please confirm that the contents in the attachment are correct. If negative, please advise us of the correct information.

Please note that it is your responsibility to submit the revised plans due to the intentional design or rating changes and/or updating of the applicable standard except for ABS Rules.

An electronic of the drawing stamped to indicate our review is being returned.

An invoice to cover the cost of the design assessment phase of the type approval process will follow separately.

If we may be of further assistance, please do not hesitate to contact Akihiko Suzuki at 81-45-441-1112 or the undersigned at 81-45-441-1199. In case of inquiry by a phone or reply by a document, please inform or refer to Reference No. & the date of this letter.



**Design Assessment (DA) Certificate
Attachment for Listing**

Refer to: YH

File Ref.: GEN45021

DA Certificate No: 06-YO210286-PDA
Issue Date: 20 December 2006
Expire Date: 20 December 2011
(Subject to the condition stated on the DA Certificate)

Company: Dembla Valves Private Limited

Factory / Office:

Country: India

Zip: 400-606

Address: 1, Adarsh Ind., Upvan, Thane (W)

Telephone: +91-22 2585 3899

Fax: +91-22 2588 8234

Web Site: www.dembla.com

Contact E-mail:

Product/Equipment: Valves, Butterfly

Model: 741W (7400 Series)

Description: Flangeless (Wafer)
1. Valve Size 50 ~ 150 mm, 200 & 250 mm, 300 ~ 600 mm, 900 & 1200 mm
Body Material: ASTM A216 Gr. WCB, Seat Material: PTFE + Monel
2. Valve Size 250, 500, 900, 1200, 1500 mm
Body Material: ASTM B148 UNS C95800, ASTM A351 Gr. CF3, ASTM A351 Gr. CF3M, ASTM A351 Gr. CF8, ASTM A351 Gr. CF8M, ASTM A217 Gr. WC6, ASTM A217 Gr. WC9, ASTM A352 Gr. LCB, ASTM A995 Gr. 4A (CD3MN)-J92205, ASTM A995 Gr. 6A (CD3MWCuN)-J993380, Seat Material: PTFE + SS 316/SS 316L

Lug (Single Flange)

1. Valve Size 50 ~ 150 mm, 200 ~ 250 mm, 300 ~ 600 mm, 900 ~ 1200 mm
Body Material: ASTM A216 Gr. WCB, Seat Material: PTFE + Monel
2. Valve Size 250, 500, 900, 1200, 1500 mm
Body Material: ASTM B148 UNS C95800, ASTM A351 Gr. CF3, ASTM A351 Gr. CF3M, ASTM A351 Gr. CF8, ASTM A351 Gr. CF8M, ASTM A217 Gr. WC6, ASTM A217 Gr. WC9, ASTM A352 Gr. LCB, ASTM A995 Gr. 4A (CD3MN)-J92205, ASTM A995 Gr. 6A (CD3MWCuN)-J993380, Seat Material: PTFE + SS 316/SS 316L

Intended Service: Sea Water

Rating: ANSI 150 PSI, Max. design temperature: 100 deg. F

Applicable ABS Rule: 2006 Steel Vessel Rules 1-1-4/7.7, 4-6-2/5.11

Applicable Other Standard: API 609 Category B

Type Approval (DA) for Butterfly Valves (Additional)

Reference

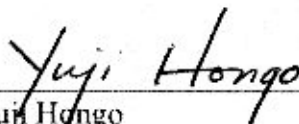
280553

18 October 2007

Yours very truly,

ABS Pacific

Teruaki Kaibara
Vice President of Engineering

 by direction
Yuji Hongo
Principal Engineer, Yokohama Engineering Services

cc: ABS Mumbai
cc: ABS Singapore (ESD)

Encl.
Drawing List

Engineering Office:	Yokohama Engineering Services	
Submitter:	DEMBLA VALVES PRIVATE LIMITED	
Drawing No	Revision No	Drawing Title
-----	0	Butterfly Valve Drawing (250, 500, 900, 1200, 1500)

Revised "Design Assessment (DA) Certificate Attachment for Listing"



ABS

Design Assessment (DA) Certificate Attachment for Listing

Refer to: YH

File Ref.: GEN45021

Service Restrictions: Valves of wafer type are not to be used in any connection to a vessel's shell.
Valves are not to be used in fire main.

Comments: Valves on the side shell at or below the deepest load water lines are to be hydrostatically tested in the presence of the Surveyor, before installation, to a pressure of at 5 bar in accordance with 4-6-2/7.3.2 of the Steel Vessel Rules

Documents and Notes:

Revision History

Revision No	Rev Description	ABS Letter Reference	ABS Letter Date
0	Initial	210286	20 December 2006
1	Addition of body material: ASTM A351 Gr.CF3, A351 Gr.CF3M, A351 Gr.CF8, A351 Gr.CF8M, A217 Gr.WC6, A217 Gr.WC9, A352 Gr.LCB, A995 Gr.4A(CD3MN)-J93380, A995 Gr.6A(CD3MWCuN)-J93380; B148 UNS C95800, Seat material: PTFE+SS316/SS316L	280553	18 October 2007