


# CERTIFICATES

**DNV**

## TYPE APPROVAL CERTIFICATE



### DET NORSKE VERITAS TYPE APPROVAL CERTIFICATE

**CERTIFICATE NO. P-13007**  
This Certificate consists of 5 pages

*This is to certify that the*  
**Butterfly Valves**  
*with type designation(s)*  
**DK-C-, DK-D- and DK-CA series**

*Manufactured by*  
**DK T.M.I. Co., Ltd.**  
Pusan, Republic of Korea

*is found to comply with*  
Det Norske Veritas' Rules for Classification of Ships  
Det Norske Veritas' Standards for Certification 2.9 No. 5-794.40

*Application*  
Fuel-, lubrication- and cargo oil, fresh- and sea water, water ballast, bilge, sanitary and chemical lines. Material dependant, see certificate.

Temperature range:	Depending on gasket material, see certificate
Max. working press.:	Depending on flange rating, see certificate
Sizes:	50A to 600A, depending on type, see certificate

*Place and date*  
Havik, 2009-03-23  
for DET NORSKE VERITAS AS

*John-Inge Marthinussen*  
Head of Section



*Local Office*  
DNV Pusan Station

*This Certificate is valid until*  
2013-06-30

*Oyvind Skara*  
Surveyor

Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

DET NORSKE VERITAS AS  
Form No.: 20.90a Issue: January 98

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