



# Design Appraisal Document

**Lloyd's Register EMEA**  
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Date  
**10 May 2017**

Please quote this reference number on all future communications  
**HPC 1461143/36086-16/JW/KW**

**THE LLOYD'S REGISTER'S TYPE APPROVAL SYSTEM, 2014**  
**ISSUED TO: LK VALVES AB**  
**FOR: BUTTERFLY VALVES**  
**TYPE APPROVAL CERTIFICATE NO. 16/20076 (E1)**

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register's Type Approval System, 2014 and this Design Appraisal Document forms part of the Certificate.

## APPROVAL DOCUMENTATION

Form 2502TA	Application for Type Approval	26.10.2016
34532 rev. A	Dwg Butterfly Valve – Double Flange	15.01.2013
34531 rev. C	Dwg Butterfly Valve – Wafer	31.10.2011
34530 rev. D	Dwg Butterfly Valve – Lug	31.10.2011
-	Technical data sheet butterfly valve double flange type	-
-	Technical data sheet butterfly valve wafer type	-
-	Technical data sheet butterfly valve lug type	-
doc. no. 34570	Configuration chart butterfly	-

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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## TEST REPORTS

WO 3975588	Initial Inspection report	30.06.2016
WO4746063	Production Quality Assessment Form	10.03.2017
-	LK Valves – Butterfly valve LR type approval test report. Shell test, back seat test, high pressure test and disc deflection test (only DN800) were done in accordance to Lloyd's Register Type Approval Test Specification Number 2, Appendix 7. The following sizes with related pressure rate were tested DN40/PN25, DN80/PN25, DN80/PN16, DN350/PN16, DN400/PN10 and DN800/PN6. The tests were carried out at LK Changzhou and witnessed by Lloyd's Register	30.06.2016

  
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LR031.1.2016.06

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### Supplementary Type Approval Terms and Conditions

*Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.*

*Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the LR Type Approval System Procedure.*

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