



Lloyd's
Register

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate supersedes certificate number 16/20076 issued on 20.07.2016 which is hereby cancelled.

This certificate is issued to:

PRODUCER

LK Valves AB
Garnisonsgatan 19
25466 Helsingborg
Sweden

PLACE OF PRODUCTION

Changzhou LK Valves Co Ltd
Building No. 16, Xin Yu logistics Park
East Renmin Road No. 8
YaoGuan Town Wujin Changzhou 213102
Jiangsu Province
Peoples' Republic of China

DESCRIPTION

Soft seated butterfly valves, as double flange, lug or wafer type.

TYPE

Butterfly valve

STANDARD

Lloyd's Register Rules and Regulations for the Classification of Ships,
January 2016

RATINGS

Size: DN40 to DN800
Pressure rating: PN10, PN16, PN25

Seat material Temperature range
NBR: -35°C to 95°C
EPDM: -40°C to 120°C
FKM/FPM -30°C to 180°C

Certificate No.

16/20076 (E1)

Issue Date

10 May 2017

Expiry Date

19 July 2021

Sheet

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Johannes Wiegel
Hamburg Technical Support Office
Lloyd's Register EMEA
LR031.1.2016.06



Johannes Wiegel
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

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OTHER CONDITIONS

Selection and installation of valves have to be in accordance with the manufactures recommendations.

APPLICATION

For installation on ships and offshore installations classed or intended for Classification with Lloyd's Register allowable systems. They have to be installed to the attending surveyor's satisfaction for:

1. Sea and fresh water systems including shipside valves.
2. Water ballast
3. Cargo Lines as "in-line" valves on oil and chemical tankers and on liquefied gas carriers (depending on pressure, temperature, medium and material)
4. As "in-line" valves in lubricating or oil fuel piping systems in low fire risk compartments of cargo vessels
5. As "in-line" valves for hydraulic deck machinery
6. Bilge suction (in association with a metal non return valve) in low fire risk compartments of cargo vessels only
7. As pump suction valves from the main bilge line only where the valve is located in the immediate vicinity of the pump. The valve is to be fitted in conjunction with a metal non-return valve, which is to be on the bilge main side of the butterfly valve.
8. Sanitary, black and grey water
9. Air piping (Except as stop valves for air receivers) having a working pressure not greater than 7 bar.

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

If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.

The Design Appraisal Document No. HTS/ENS 34727-16 issue 1 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.	16/20076 (E1)
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Johannes Wiegel
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