



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.

Manufacturer	Meson AB
Address	Kullsgårdsvägen 27, Laholm, 312 34, Sweden
Place of Production	Meson (Changzhou) Flow Control System Co., Ltd Building No 16 Xin Yu Logistics, Park Renmin Road No 8 YaoGuan Wujin, Changzhou, China
Type	Butterfly Valves
Description	Soft seated butterfly valves, as U-type, double flange, lug or wafer type.
Trade Name	Butterfly valve
Application	For installation on ships and offshore installations classed or intended for Classification with Lloyd's Register allowable systems, including: 1. Sea and fresh water systems including shipside valves 2. Ballastwater 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 suction valves on double bottom oil fuel tanks (only when located in a closed pipe tunnel or duct keel) 6. Bilge suctions (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

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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. As "in-line" valves in oil piping systems of hydraulic deck machinery

10. in inert gas systems

11. Air piping (Except as stop valves for air receivers) having a working pressure not greater than 7 bar.

Specified Standard

Lloyd's Register Rules and Regulations for the Classification of Ships, July 2024
Lloyd's Register Type Approval System Test Specification Number 2, December 2020

Ratings

Size: DN 40 to DN 1000
Pressure Rating: max PN25

Seat Material: Temperature Range
NBR: -35 °C to +95 °C
EPDM: -40 °C to +120 °C
FKM/FPM: -30 °C to +180 °C

Body Material: GGG40, GGG40.3, WCB, WCC, CF8(M), CF3(M) CC333G and similar

Other Conditions

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



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This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: C16/20076(E1)

The Design Appraisal Document TSO/24-024625-P-1 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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