

Type Approval Certificate Extension

This is to certify that Certificate No. 97/ 00180(E3) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Dennis Nakakita S.A. C/ Badajoz 2, Urb. 'La Cabaña' 28223 Pozuelo de Alarcón Madrid Spain
PLACE OF PRODUCTION	C/ Mencía s/ n. Pol. Industrial Alces 13600 Alcázar de San Juan (C. Real) Spain
DESCRIPTION	Flanged, Wafer and Lug Type Butterfly Valves
TYPE	L & R Series Body Material: Stainless Steel , Carbon Steel, Aluminium Bronze, Bronze, Spheroidal and Grey Cast Iron Disk Material: Steel, Stainless Steel , Nodular Iron, Bronze and Aluminium Bronze Stem Material: Stainless Steel, Bronze Seat Material : Nitrile Rubber, EPDM, VITON & PTFE
APPLICATION	Marine, offshore and industrial piping systems.
SPECIFIED STANDARDS	Lloyd's Register's Rules and Regulations for the Classification of Ships; Lloyd's Register's Rules and Regulations for the Classification of Mobile Offshore Units; Lloyd's Register's Rules and Regulations for the Classification of Fixed Offshore Installations; DIN 3230; ISO 5208; API 598

Certificate No.	97/ 00180(E4)
Issue Date	23 May 2018
Expiry Date	2 November 2022
Sheet	1 of 2



M.H.M.Rila
Southampton Technical Support Office
Marine & Offshore Lloyd's Register

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

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RATINGS

Max. pressure rating (PN): L Series: 10
R Series: 25
Nominal diameter (DN): 40 to 1000
Temperature range depending on the seat material

OTHER CONDITIONS

Use in marine piping systems and locations where fire endurance test is not required on vessels Classed by LR and subject to the following limitations:

1. Seawater and freshwater cooling systems
2. Water ballast and freshwater pumping systems
3. Cargo oil lines on tankers
4. Bilge suctions for holds in bulk carriers (only when fitted in a pipe tunnel and in association with a non- returned valve).
5. Ship side valves (open/shut indicators to be fitted & The manufacturer's certificate validated by LR for materials equal to or less than 500 mm nominal diameter will be accepted in lieu of LR's materials certificate)
6. As suction valves on double bottom oil fuel tanks (only when located in a closed pipe tunnel or duct keel)
7. As pump suction valves from the main bilge line (only where the butterfly valve is located in the immediate vicinity of the pump and fitted in conjunction with a metal non return valve which is to be on the bilge main side of the butterfly valve).

"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."

The attached Design Appraisal Document No. 97/00180(E4) and its supplementary Type Approval Terms and Conditions form part of this Certificate

All other details remain as the previous Certificate No. 97/ 00180(E3) to which this extension should be attached.

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