



Certificate No. 02-004573/026307

TYPE APPROVAL CERTIFICATE

This is to certify that this product complies with the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products.

TYPE AND DESCRIPTION OF PRODUCT:

BUTTERFLY VALVE

**EVs, EVCS, EVL, EVBS, EVBLS, EVTLS, EVUS, EVMS, EVML wafer type
EVFS, EVFL double flanged type**

MANUFACTURER:

WOUTER WITZEL EUROVALVE B.V.

Industrieterrein De Pol 12
7581 CZ LOSSER
NETHERLANDS

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

CRS: Rules for the classification of ships, Part 8. – Piping.
Rules for the classification of ships, Part 17. – Fire protection.

FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

APPROVAL IS VALID UNTIL: **2028-09-27**

Place and date: Split, 2024-08-09 Seal

Marinko Popović, dipl.ing.

NOTE: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.

DETAILED PRODUCT DESCRIPTION:

Concentric butterfly valve with bonded vulcanised rubber lining.

APPLICATION / LIMITATIONS:

Butterfly valves may be used for the following systems: fire main, fresh and seawater, sanitary water, bilge and ballast, cargo oil, fuel and lubricating oil; as shipside valves.

TYPE APPROVAL DOCUMENTATION:

EVS 100

1.401004 d
1.403018 i
1.600278 c
TM0400- C
VB1605-D
1.302910 a
1.055001 e
1.351296 b

EVFS 400

1.401390 j
1.403271 g
1.600295 c
TM1601-D
VB4005-B b
1.302950 c
1.351475 b
1.661405 b
1.050940 b

Material specification:

M03D, M20C, M50F, M52D, M80D, M85E

Technical documentation:

TD/E/1998/2

See letter No. 020963/TS/847-VB of 25th September 2000.

Operational limits:

size		max.working press.
EVS	DN 50-1400 mm	10/16/25 bar
EVL	DN 50-300 mm	10/16 bar
EVBS	DN 50-300 mm	10/16/25 bar
EVBSL	DN 50-200 mm	16 bar
EVTLS	DN 50-1200 mm	10/16 bar
EVUS	DN 600-2400 mm	16 bar
EVMS	DN 350-1000 mm	16 bar
EVML	DN 80-800 mm	10/16/25 bar
EVFS	DN 50-2000 mm	10/16/25 bar
EVFL	DN 50-1500 mm	10/16 bar
EVCS	DN 50-300 mm	10/16/25 bar

Max. working temperature dependent on material in seat:

NBR 90°C
EPDM 120°C
FPM 170°C

MARKING OF PRODUCT:

Type
Nominal size
Nominal pressure
Material
Manufacturer's name
Year of manufacture
Inspector's identification

CONDITIONS FOR CERTIFICATION:

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