



HRVATSKI REGISTAR BRODOVA

CROATIAN REGISTER OF SHIPPING

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WOUTER WITZEL EUROVALVE B.V.
Industrieterrein De Pol 12
7581 CZ LOSSER
Att.to: Mr. Tonny Punt

NETHERLANDS

U: Split, dne: 2020-07-31
At: date:

Naš znak: 1577/TS/VB/025057/JB
Our ref.:

Vaš znak:
Your ref.:

SUBJECT: Renewal of Type approval certificates for butterfly valves and check valves

Dear Sir,

Thank You for Your request for renewal of type approval for valves.

As an enclosure we send You three copies of the following Certificates:

02-003028 for butterfly valves EVS

02-003029 for check valves ECV

02-003030 for butterfly valves Dynaxe

The enclosed Certificates are valid until 27th September 2024 and 22nd October 2024.

If Messrs WOUTER WITZEL carry out any modification of the construction or material in its production without giving notice and without agreement of the CRS, or if the results obtained under service conditions are not satisfactory, Certificates of type approval will be cancelled.

The validity of the Certificates may be extended after the afore mentioned date if Messrs WOUTER WITZEL asks for it.

We are at your disposal for possible additional explanations related to this matter.

Best regards,

Surveyor in charge

*Head of Machinery, Electrical Equipment and Automation
Department*

Vjeko Barač, dipl.ing.

Kruno Ferić, dipl.ing.



Enclosure: 3 x a.m. Certificates

CROATIAN REGISTER OF SHIPPING



Certificate No. 02-003028/025057

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: **2024-09-27**

Place and date: Split, 2020-08-03




for 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 |
| EVTL 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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