



CROATIAN REGISTER OF SHIPPING

Potvrda br. **01-014564/0110552**
Certificate No.

POTVRDA O TIPNOM ODOBRENJU TYPE APPROVAL CERTIFICATE

Potvrđuje se da ovaj proizvod udovoljava Pravilima za klasifikaciju brodova, Dio 1. - Opći propisi, Odjeljak 3. - Tipno odobrenje proizvoda.
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.

TIP I OPIS PROIZVODA:
TYPE AND DESCRIPTION OF PRODUCT:

**VODONEPROPUSNA OVJEŠENA BRODSKA VRATA ZA TLAK DO 0.5 BARA
RAD-WTD-T800H5M**

**WATERTIGHT HINGED SHIP DOOR FOR PRESSURE UP TO 0.5 BARS TYPE
RAD-WTD-T800H5M**

PROIZVOĐAČ:
MANUFACTURER:



2. Ulica br. 15, 20271 BLATO • HRVATSKA - CROATIA

PROIZVOD UDOVOLJAVA SLIJEDEĆIM PRAVILIMA/PROPISIMA:
THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

HRB: Pravila za klasifikaciju brodova, Dio 3. – Oprema trupa;
CRS: Rules for the classification of ships, Part 3. – Hull equipment;

DETALJI O PROIZVODU I UVJETIMA CERTIFIKACIJE DANI SU NA POLEDINI.
FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

ODOBRENJE VRIJEDI DO: **2024-10-01**
APPROVAL IS VALID UNTIL:

Mjesto i datum: Split, 2020-10-01
Place and date:

M.P. _____
(Seal)

Marinko Popović, dipl.ing.

NAPOMENA: Ova potvrda nije valjana ako se proizvod ili način njegove proizvodnje promijenio u odnosu na tipno ispitani proizvod. Proizvođač treba obavijestiti Hrvatski registar brodova o bilo kojoj izmjeni na proizvodu kako bi ishodio valjanu potvrdu.
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.

PODROBNJI OPIS PROIZVODA:
DETAILED PRODUCT DESCRIPTION:

Čelična ovješena vrata izgrađena su od krila debljine 7 mm s tri horizontalne i jednom vertikalnom ukrepom KC 40x40x4 mm, praznice visine 80 mm, s dva (2) šarnira i jednim polukužnim zatvaračem, te osam (8) točaka zatvaranja. Vrata su projektirana za najveći tlak od 50 kN/m².

Steel hinged door is built of plate 7 mm thickness with three horizontal and one vertical stiffener KC 40x40x4 mm, coaming of 80 mm in height, equipped with two (2) hinges, one closure lever, and eight (8) points of closure. The door is designed to withstand maximum water pressure of 50 kN / m².

Najveća dimenzija svijetlog otvora : 1800 x 800 mm
Max. door clear light opening: 1800 x 800 mm

Najmanja dimenzija svijetlog otvora : 1400 x 600 mm
Min. door clear light opening: 1400 x 600 mm

PODRUČJE PRIMJENE / POSEBNI GRANIČNI UVJETI:
APPLICATION / LIMITATIONS:

Za zatvaranje otvora na nepropusnim pregradama putničkih brodova za krstarenja koji prevoze najviše 36 putnika, velikih jahti koje plove unutar područja od 60 nautičkih milja udaljenosti od obale, putničkih brodova za jednodnevne plovidbe u području plovidbe 6, 7 i 8, te radne brodice za području plovidbe 5, 6, 7 i 8. Nakon montaže potrebno je vrata ispitati na nepropusnost (brtvljenje) polijevanjem vodenim mlazom u prisustvu inspektora HRB-a.

For closing of openings on the watertight bulkheads of the passenger cruise ships with not more than 36 passengers, large commercial Short Range Yachts (within 60 nautical miles from safe haven), passenger ships for daily trips sailing in navigation area 6, 7 and 8; and working ships in navigation area 5, 6, 7 and 8.

After installation, in order to check water-tightness of sealing, hose (water-jet) test is to be performed in presence of CRS Surveyor.

DOKUMENTACIJA ZA TIPNO ODOBRENJE:
TYPE APPROVAL DOCUMENTATION:

Tehnička dokumentacija:

Nacrt br. 235.04.003 Vodonepropusna šarnirska vrata RAD-WTD-T-800H5M-Proračun čvrstoće

Nacrt br. 235.13.200-235.13.779 Vodonepropusna šarnirska vrata 1800x800

Nacrt br. 235.13.900 Plan ispitivanja RAD-TD-T800/H5M/ RAD-TD-T800/H5M

Certifikati limova i dodatne opreme

Izveštaj HRB o ispitivanju prototipa vrata od 2020-08-19.

Technical documentation:

Drawing No: 235.04.003 Watertight hinged door RAD-WTD-TS-800H5M-Strength calculation

Drawing No: 235.13.200-235.13.779 Watertight hinged door 1800x800 mm drawings

Drawing No: 235.13.900 Testing plan RAD-TD-TS800/H5M/ RAD-TD-TS800/H5M

Certificates of plates and additional equipment.

CRS test report for prototype door testing dated 2020-08-19.

OZNAČAVANJE PROIZVODA:
MARKING OF PRODUCT:

Proizvod se mora označiti imenom proizvođača, oznakom proizvoda, te žigom HRB.

The product shall be marked with name of manufacturer, type designation and CRS stamp.

UVJETI ZA CERTIFIKACIJU:
CONDITIONS FOR CERTIFICATION:

Hrvatski registar brodova izdaje posebnu potvrdu o nadzoru za svaku pojedinu proizvedenu količinu (HRB obrazac QF-PB-30).

Croatian Register of Shipping shall issue particular certificate on supervision for each manufactured quantity (CRS form QF-PB-30).