



**EC TYPE EXAMINATION (MODULE B) CERTIFICATE**

No. **01-010838/017458**

**THIS IS TO CERTIFY:**

That Croatian Register of Shipping did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with requirements of Marine Equipment Directive (MED) 96/98/EC as last amended by directive 2013/52/EU, subject to any conditions in the schedule attached hereto.

**TYPE AND DESCRIPTION OF PRODUCT**

**DRY POWDER EXTINGUISHER S50**

**ANNEX A.1 NO AND ITEM DESIGNATION**

**A.1/3.52 - Non-portable and transportable fire extinguishers**

**MANUFACTURER:**

**PASTOR -TVA d.d.  
Novačka 2, 10437 Rakitje, CROATIA**

**REGULATIONS AND STANDARDS (in accordance with Annex A.1, Directive)**

**SOLAS 1974 as amended, Reg. II-2/4, Reg.II-2/10, Reg. X/3  
IMO Res. MSC.36(63) - (1994 HSC Code) 7  
IMO Res. MSC. 97(73) - (2000 HSC Code) 7  
EN 1866-1 (2007)**

**NOTICE:**

1. Further details of the product and conditions for certification are given overleaf.
2. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.
3. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.
4. The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.
5. In case limitations of use apply, these should be indicated of in the Schedule of Approval.

Issued by Croatian Register of Shipping, notified body number 2489.

This certificate is valid until: **2019-03-27**

Place and date: **2015-05-26**

Seal .....

Signature  
**Marinko Popović, dipl.ing.**

# THE SCHEDULE OF APPROVAL

## 1. PRODUCT DESCRIPTION

Non portable and transportable dry powder (ABC powder) fire extinguisher pressurized with CO<sub>2</sub> in external cartridge.  
Dimensions (width/height): 555/1100 mm  
Extinguishing agent quantity: 50 kg  
Fire extinguisher mass: 84 kg  
For further details see drawings mentioned below.

## 2. APPLICATION/LIMITATION OF USE

Extinguishing of A, B and C fire classes on ships.  
Operation temperature range: -20°C to +60°C.

## 3. DESIGN DRAWINGS AND SPECIFICATIONS

Drawing no. 507035 – Fire extinguisher S50/Ø318, rev. 0  
Drawing no. 507204A – Container, rev. c  
Drawing no. 507137 – Cover compl, rev. c  
Drawing no. 407226A – CO<sub>2</sub> bottle compl., rev.g  
Drawing no. 407226C – CO<sub>2</sub> bottle compl., rev.c  
Drawing no. 316056 – Hose CO<sub>2</sub>, rev. g  
Drawing no. 316021 – Hose, rev. f  
Drawing no. 400122 – Pistol nozzle alu., rev.a  
and other drawings enclosed to the Test Report (Annex 2).

## 4. TYPE TEST RECORDS/LABORATORY RECOGNITION STATUS

The testing in accordance with EN 1866-1 (2007) has been carried out in MPA Dresden GmbH, Freiberg, GERMANY.  
The testing results have been stated in the Test Report No. 2012-F-4358/PA 41, dated 10th April 2013.

## 5. MATERIALS OR COMPONENTS REQUIRED TO BE TYPE APPROVED OR TYPE TESTED

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## 6. OTHER MATERIALS AND/OR COMPONENT

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## 7. PRODUCTION SURVEY REQUIREMENTS

The manufacturer is allowed to affix the Mark of Conformity to equipment referred and to issue a Declaration of Conformity as long as either of the following is fulfilled:

Module D - The quality system for production and testing shall be approved by the Notified Body or,

Module E - The quality system for inspection and testing shall be approved by the Notified Body or,

Module F - Compliance of the products in this EC Type-Examination Certificate is to be verified by the Notified Body who shall also issue a Certificate of Conformity .

## 8. ONBOARD INSTALLATION AND MAINTENANCE REQUIREMENTS

Installation and maintenance shall be performed according to manufacturer's instruction.

## 9. MARKING AND IDENTIFICATION



*Subject to compliance with the conditions in this Schedule of Approval which forms part of certificate, and those of Articles 10.1(i) and 11 of the Directive, the Manufacturer is allowed to affix the "Mark of Conformity" to the Product described herein.*

2489/yy (yy = last two digits of year mark affixed)

The product is to be marked in accordance with EN 1866-1(2007), item 6.9, and the product should also be marked with the Mark of Conformity (see item 7).

## 10. OTHERS

This approval is given with the understanding that the manufacturer will accept full responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of installation and general maintenance of the approved equipment and the conditions of this approval.

- END OF CERTIFICATE -