

**MARINE DIVISION**  
17 Bis Place des Reflets - La Défense 2  
92400 Courbevoie - France  
Tel. 33 1 42 91 52 04  
Fax 33 1 42 91 28 94



Certificate N°:  
03554/E0 BV  
The attached Schedule forms part of the certificate

File Number : AP 0341  
Product Code : 3812H



## CERTIFICATE OF TYPE APPROVAL

*This is to certify that the product identified below was found to be in compliance with the relevant hereunder stated Regulations & standards*

### TEMPERATURE SENSORS / PROBES / TRANSDUCERS

THERMOSTAT - NAVISTAT - Type: 471.23..., 471.26..., 472.12....

MANUFACTURED BY:

**TRAFAG AG**  
Mönnedorf ZH - SWITZERLAND

SPECIFIED REGULATIONS & STANDARDS :  
BV Rules and Regulations for the Classification of Ships.

**The Approval is valid until : 23/07/2004**

BUREAU VERITAS ZURICH

At Paris la Défense, on : 23/07/99



**J. BENOIT**  
For the Secretary

This Certificate remains valid until the date stated on, hereunder, unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory into service.

This Certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested.

This Certificate is not valid without the stamp of the above mentioned by BUREAU VERITAS Inspection Center.

The manufacturer should notify BUREAU VERITAS of any modifications or changes to the equipment in order to obtain a valid Certificate.

The latest published Regulations or Standards referred to, above, and the Marine Division General Conditions are applicable.



## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION :

"THERMOSTAT - NAVISTAT - Type : 471.23..., 471.26..., 472.12.... "

### 2. DESIGN DRAWINGS and/or SPECIFICATIONS

According to notice I.1.1.12.

### 3. TYPE TEST REPORTS / LABORATORY RECOGNITION STATUS

Test report issued by in house manufacturer's Laboratory with Society's witnessing to test on 02/10/1990 and 21/01/1994.

### 4. MATERIALS and/or COMPONENTS REQUIRED TO BE TYPE APPROVED

Nil.

### 5. OTHER MATERIALS and/or COMPONENTS

Nil.

### 6. APPLICATION / LIMITATION OF USE

6.1 - BV Rules and Regulations for the Classification of Ships.

6.2 - Approval valid for ships intended to be granted with the following additional class notations: AUT-MS, AUT, AUT-CC, PORT.

6.3 - To be fitted in stem pocket.

6.4 - Pressure proofness of protection tube: maximum 25 bar.

### 7. PRODUCTION SURVEY REQUIREMENTS

Arrangement should be made for a Society's Surveyor to inspect equipment of the type referred to in this certificate which is intended for use on BUREAU VERITAS registered ships at the Manufacturer's works.

### 8. ON BOARD INSTALLATION & MAINTENANCE REQUIREMENTS

The fitting aboard to be the same as used for the test.

### 9. MARKING FOR IDENTIFICATION

- Maker's name or trade mark.

- Serial number of the units.

- Equipment type N° or model identification under which it was type tested.

**10. OTHERS**

10.1 - This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the units at any time and that **TRAFAG AG - Switzerland**, will accept full responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of use and general maintenance of the units and the conditions of this approval.

10.2 - This certificate cancels and replaces the previous one issued by the Society on 20/03/1995, under ref. N° 3812/3554/D0/0/H BV.

\*\*\* Last page (End of Document) \*\*\*

BUREAU VERITAS ZURICH

*h.p.*

