



CERTIFICATE NUMBER
03-GE331712-PDA

DATE
11-FEB-2003

ABS TECHNICAL OFFICE
GENOA ITALY

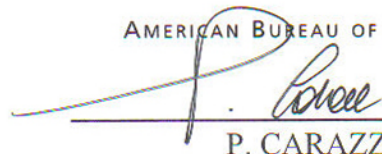
CERTIFICATE OF Design Assessment

This is to Certify that a representative of this Bureau did, at the request of
CACCIALANZA & C. S.P.A.

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate; and it will remain valid for five years from the date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).

PRODUCT: FIRE FIGHTING MONITOR
MODEL: A8-EL, A8-HY
ABS RULE: 2003 SVR 1-1-4/3.7, 2001 SVR L< 90M 5-9-4
OTHER STANDARD: N.A.

AMERICAN BUREAU OF SHIPPING


P. CARAZZAI

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Manufacturer of fire fighting equipment, water monitors,
etc.

Segrate

MI

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Product : **Fire Fighting Monitor****Model Name:** **A8-EL**
A8-HY**Intended Service:**

Water monitor for Class 1 Fire Fighting Vessels

Description:

Water monitor for Class 1 Fire Fighting Vessels with local manual control and remote electric or hydraulic control - body material: anodized light alloy G AlSi 9 TA UNI 3051 or bronze B ZN 7 UNI 1698 - fixed nozzle material: anodized light alloy G AlSi 9 TA UNI 3051.

Ratings:Discharge rate: 1200 m³/h @ 11.3 bar pressure at monitor inlet flange

Range: 120 m

Height: 45 m

Pressure rating: 13 bar

Service Restrictions:

Unit Certification is not required for this product.

Comments:

Calculations showing adequacy of monitor supports during monitor operations are to be submitted for each installation as per 5-9-4/1.5 of SVR under 90 m in length.

After installation the monitor is to be tested to verify compliance with the jet, range and height requirements as per 5-9-1/Table 1 of the Steel Vessels Rules under 90 m in length.

Term of Validity:

This product/model is covered under Product Design Assessment (PDA) Certificate # 03-GE331712-PDA, dated 11/Feb/2003. This PDA Certificate expires February of 2008. It will remain valid for the 5 years from date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).

STANDARDS**ABS Rules:**

2003 Steel Vessel Rules 1-1-4/3.7, 2001 Steel Vessel Rules (under 90 m in length) 5-9-4