



CERTIFICATE NUMBER

03-PR389333.1-PDA

DATE

13 August 2003

ABS TECHNICAL OFFICE

Piraeus Engineering Services

CERTIFICATE OF Design Assessment

This is to Certify that a representative of this Bureau did, at the request of
BERMAD

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. 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: Deluge Valves

MODEL: 700E Series, Sizes 1.5, 2, 2.5, 3, 4, 6, 8, 10, & 12 inches.

ABS RULE: 2003 Steel Vessel Rules 4-6-2/5.9

OTHER STANDARD: Burst Pressure Test according to:UL - 260:95, Fire Test according to: ISO 6182-5:95

AMERICAN BUREAU OF SHIPPING

Ion G. Koumbarelis

Ion G. Koumbarelis
Engineering Type Approval Co-ordinator

