



MARINE DIVISION

Certificate number: 07433/D0 BV

File number: AP 1923

Product code: 3782H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

APOLLO FIRE DETECTORS LIMITED

Havant - UNITED KINGDOM

for the type of product

SMOKE FIRE DETECTORS

XP 95 Intrinsically Safe Ionization Smoke Detector

Model: 55000-540.

Requirements:

BV Rules for the Classification of Steel Ships,
EN 54-7(2000) incl. A1(2002) and A2(2006),
EN 60079-0 (2009) and EN 60079-11 (2007).

This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 02 Aug 2016

For BUREAU VERITAS,

At BV LONDON, on 02 Aug 2011,

Spencer Yule



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. 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. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

APOLLO XP 95 Addressable Intrinsically Safe Ionisation Smoke Detector.

Part Number:	55000-540
Principle:	Point Detector using a Ionisation Chamber
Transmitting Protocol:	Open Digital Protocol
Nominal Threshold Value:	0.7 according to EN 54-7
Working Temperature:	-20°C to +60°C
Protection Index:	IP 23D
Ex Marking:	Ex ia IIC T5 Ga (-20°C≤Ta≤+45°C) or Ex ia IIC T4 Ga (-20°C≤Ta≤+60°C)
Power Supply:	24 VDC (17 to 28 VDC)

2. DOCUMENTS AND DRAWINGS:

According to drawings filed in AP 1923.

3. TEST REPORTS:

LPC TE 90086
LPC TE 90089
LPC TE 90090
LPC TE 89129
LPC TE 89128
LPC TE 89125.

BRE: Test Report N° TE223930 dated 09/Dec./2005.

Baseefa: EC-Type examination Certificate No. BAS02ATEX1289 Issue 4, issued on 8 July 2011.

TÜV: IP Test House Certificate No. SX615834-001 Issue 1 dated 29th Jan. 2007.

4. APPLICATION / LIMITATION:

- 4.1 - BUREAU VERITAS Rules and Regulations for the Classification of Steel Ships.
- 4.2 - Approval valid for ships intended to be granted with the following additional class notations: **AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS.**
- 4.3 - Approval also valid for ships having to comply with SOLAS 74 Convention, as amended, and for units having to comply with IMO Resolution A649 (The "MODU Code").
- 4.4 - Must be used with either a XP 95 single or dual channel protocol translator (55000-855, 55000-856).
- 4.5 - For use with fire alarm panel utilizing these APOLLO Series 90 or XP 95 communication protocol.
- 4.6 - For any application for a given ship, drawings showing the arrangement and grouping of the detectors shall be submitted for Society's approval.
- 4.7 - The equipment, once installed on board ships, is to be tested in accordance with the above referred Regulations under the supervision of a Society's Surveyor.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The APOLLO XP 95 Detectors are to be manufactured, examined and tested by **APOLLO FIRE DETECTORS LIMITED** in accordance with the type described in this certificate and Bureau Veritas Rules for the Classification of Steel Ships.

5.2 - Production sites are to be recognized by Bureau Veritas as per NR320 for HBV products. To this end **APOLLO FIRE DETECTORS LIMITED** has to make the necessary arrangements for a Society's Surveyor to perform visits and product audits at the production sites.

5.3 - **APOLLO FIRE DETECTORS LIMITED** has declared to Bureau Veritas that the type of product described in this certificate may be manufactured at the following production site:

APOLLO FIRE DETECTORS LIMITED
36 Brookside Road
Havant
Hampshire
UNITED KINGDOM

5.4 - Each equipment is to be supplied with manual(s) for installation, use and maintenance.

6. MARKING OF PRODUCT:

- According to EN 54-7.
- Ex marking as relevant.

7. OTHERS:

7.1 - 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 **APOLLO FIRE DETECTORS LIMITED (Havant - UNITED KINGDOM)**, 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.

7.2 - This certificate supersedes the Type Approval Certificate N° 07433/C0 BV issued on 12 June 2006 by the Society.

***** END OF CERTIFICATE *****