



MARINE DIVISION

Certificate number: 15162/B0 EC

File number: ACI3000/043/001

Annex A1 Item number: A.1/3.41

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

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**Notified Body 0062 - MARINE EQUIPMENT DIRECTIVE 96/98/EC**

## EC TYPE EXAMINATION CERTIFICATE

*as per Module B of European Union Council Directive 96/98/EC on marine equipment  
as amended by Commission Directive 2012/32/EU*

*This certificate is issued to*

**AIRBOX, S.A.**

CASTELLBISBAL - BARCELONA - SPAIN

*for the type of product*

### EMERGENCY ESCAPE BREATHING DEVICES (EEBD)

Compressed air escape breathing apparatus with hood AX-15.

#### Requirements:

SOLAS 74 convention as amended, Regulation II-2/13  
IMO Resolution MSC.98(73)-(FSS Code) 3  
IMO MSC/Circ.849  
EN 1146(2005)  
ISO 23269-1 (2008)

*This certificate is issued under the French Maritime Authority to attest that BUREAU VERITAS did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Council Directive 96/98/EC of 20 December 1996 as amended.*

*This certificate is a renewal of certificate N° 15162/A0 EC, which expires on 17/11/2010*


**This certificate will expire on: 24 Apr 2019**

**For BUREAU VERITAS Notified Body 0062,**

At BV MADRID, on 24 Apr 2014,

Montserrat Espin



**This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.**

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. BUREAU VERITAS is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division available on the internet site [www.veristar.com](http://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 :**

#### **Compressed air escape apparatus with hood EN 1146/15, AX-15.**

The **AX-15** device is a respiratory protective device for self-rescue, a self-contained open-circuit compressed air breathing apparatus incorporating a hood, having an autonomy of 15 minutes.

It is mainly composed of :

- a hood with a transparent visor, constructed of flame resistant materials with a specific valve for the exhalation of air,
- a hose leading the flow of air to the hood,
- an air reducer providing continuous smooth air flow,
- an opening and closing valve which can be operated without opening the bag, incorporating a pressure gauge, an acoustic alarm, and a relief valve for safety,
- a 2 liter compressed air steel cylinder at 300 bar,
- a container bag with adjustable neck and waist harnesses protecting the equipment from the environment.

It is carried hands-free.

The activation is being achieved by opening the valve.

The air supply will last for at least 15 minutes from the opening of the valve.

The equipment is stored in a plastic case, BOX-AX.

### **2. DOCUMENTS AND DRAWINGS :**

#### **2.1 - Design drawings (and their components lists) :**

<b>200.150.00</b>	EQUIPO DE EVACUACION DE AIRE COMPRIMIDO CON CAPUZ AX-15
<b>800.501.00</b>	Botella de acero sin soldadura de 2L y 300 bars. Conica E 17 / <i>Compressed air tank for 15min</i>
<b>800.504.00</b>	Botella de acero sin soldadura de 2L y 300 bars. Cilindrica M-18x1.5 / <i>Compressed air tank for 15min</i>
<b>V-198-VAM.350.00 Rev. 1</b>	Grifo Cónico E 17 con Filtro de Seguridad + Manometro + Válvula Alivio 350 bars / <i>Opening and closing valve</i>
<b>VAM.18.350.00</b>	Grifo Cilindrico 18x1.5con Filtro + Válvula Alivio 350 bars + Manometro / <i>Opening and closing valve</i>
<b>AL-RAX-00 Rev. 1</b>	ALARMA / <i>Acoustic alarm set for 2 minutes</i>
<b>800.705.00</b>	CONJUNTO ALARMA
<b>RAX-100.00 Rev. 1</b>	Reductor Aligerado Equipo de Escape Para 200/300 bars / <i>Reducer-Regulator air supplier for 15min</i>
<b>800.701.00</b>	CONJUNTO LATIGUILLO RESPIRACION
<b>200.105.00 Rev. 0</b>	CAPUZ
<b>200.014.00 Rev. 0</b>	Bolsa equipo Escape AX-15
<b>800.113.00 Rev. 0</b>	Manometro / <i>Verifying pressure gauge</i>

#### **2.2 - Manual(s) for installation, use and maintenance :**

11 pages without reference	WHAT IS THE AX-15; HOW IT IS USED; HOW IS THE MAINTENANCE
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### **3. TEST REPORTS :**

3.1 - Test report N° 21223204 dated 11/05/2005 as per EN 1146:1997 by the CENTRO NATIONAL DE MEDIOS DE PROTECCION (C.N.M.P. - Notified Body N° 0159) SEVILLA + Technical report N° AX-15 2013 dated 2013.08.08 as per EN 1146:2005 and ISO 23269-1:2008 by the manufacturer.

3.2 - Test reports N° E-01806.00003 and N° E-01806.00004 dated 17/09/2013 as per ISO 23269-1:2008 §5.6 by METALTEST laboratorio de ensayos y calibraciones, Barcelona.

3.3 - Test reports N°2014EP0651 dated 24.03.2014 as per ISO 7854:1997, from Aitex textile research institute.

3.4 - Test report N°2014EP0845 dated 10.04.2014 as per ISO 13934-2:1999, from Aitex textile research institute.

3.5 - Test report N°2014EP0652 dated 18.03.2014 as per ISO 4674-1:2004, from Aitex textile research institute.

**4. APPLICATION / LIMITATION :**

4.1 - This EEBD is to be used for emergency escape only. It is prohibited to use it for fighting fires, entering oxygen deficient voids or tanks, or to be worn by fire-fighters, or to be worn for a complete shift (mass exceeds 5 kg).

4.2 - Air cylinder(s)

The compressed air pressure cylinder(s) must comply with Pressure Equipment Directive 97/23/EC and shall be marked accordingly.

4.3 - Manufacturer's instructions (see 2.2 above) should accompany every apparatus on delivery and should be kept on board.

4.4 - The equipment is to be stored and maintained on board according to manufacturer's instructions and applicable rules.

4.5 - Service life : as per manufacturer's instructions and in conformity with applicable rules.

4.6 - Air quality should conform to EN 12021.

4.7 - In accordance with IMO MSC/Circ. 849, clause 6.2, all EEBD training units shall be clearly marked.

**5. PRODUCTION SURVEY REQUIREMENTS :**

This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D "Production Quality Assurance" or E "Product Quality Assurance" or F "Product Verification" of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

**6. MARKING OF PRODUCT :**

Every EEBD item is to be marked in accordance with provisions of paragraph 8 of EN 1146: 2005, of paragraph 9 ISO 23269-1:2008, of paragraphs 4.5 and 5.3 of MSC/Circ.849 and of the Marine Equipment Directive (M.E.D.) :

6.1 On the apparatus :

- manufacturer's name
- equipment type
- EN 1146 : 2005
- ISO 23269-1:2008
- rated duration of service
- "FOR ESCAPE USE ONLY"
- brief instructions or diagrams clearly illustrating the use
- maintenance requirements
- serial number
- EC conformity mark (wheelmark) and number of the Notified Body undertaking surveillance module (where BV, 0062)
- shelf life with last two digits of manufacture year.

6.2 On the cylinder :

- the charging pressure (bar)
- the capacity (normal liters)
- the stamp of the authorized third inspection body
- last two digits of manufacture year.

6.3 - Any EEBD training unit shall be clearly marked (refer to 4.8 above).

**7. OTHERS :**

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

7.2 - This certificate supersedes EC Type Examination Certificate N° 15162/A0 EC, issued by Bureau Veritas.

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