

(1) EC-Type Examination Certificate

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC
- (3) No. of the EC-Type Examination Certificate: **BVS 11 ATEX H 031 X**
- (4) Equipment: **Compressed-air respiratory system FENZY X-Pro**
- (5) Manufacturer: **SPERIAN RESPIRATORY PROTECTION France SAS**
- (6) Address: **58, Avenue de la Ferté-Milon, BP 94
02 602 Villers Cotterêts
FRANKREICH**
- (7) The design and construction of this equipment and any acceptable variation thereto are specified in the schedule to this type examination certificate.
- (8) The certification body of DEKRA EXAM GmbH, Notified Body No. 0158 according to Article 9 of Directive 94/9/EC of the European Parliament and the Council of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in the test and assessment report PP 11EXAM 10118 EG.
- (9) The Essential Health and Safety Requirements are assured by compliance with
- DIN EN 13463-1:2009 CLC/TR 50404:2003**
- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the appendix to this certificate.
- (11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- (12) The marking of the equipment shall include the following:

 **I M1**
II 1GD IIC T4 (T135°C) -30 °C ≤ Ta ≤ +60 °C

DEKRA EXAM GmbH
Bochum, Germany, dated 08.11.2011

signed: Simanski

signed: Hesener

Certification body

Special services unit

- (13) Appendix to
- (14) **EC-Type Examination Certificate**
BVS 11 ATEX H 031 X
- (15) 15.1 Subject and Type
Compressed-air respiratory system FENZY X-Pro

15.2 Description

The compressed-air respiratory system FENZY X-Pro can be used in two different ways by choosing two different full face masks. The compressed-air respiratory system FENZY X-Pro is a respiratory protection mask that operates independently of the ambient air and that supplies the user with breathing air from compressed-air bottles with a filling pressure of 300 bar.

The equipment combines a carrier system with pressure reducer, a compressed-air bottle, an automatic lung ventilator and a respiratory protection mask.

The parts of the compressed-air respiratory system FENZY X-Pro with the corresponding material and drawing numbers are listed in the table below. All drawings are dated to 10.09.2011.

Component	Description	Part No./Drawing No.
Basic Assembly		
Backplatte/ Harness	Backplate & Harness	1819939-04
Cylinder	Ari X PRO TY"ATEX" EN SXPRO PANO BRIDES BTLE ALBC 6,9L EN300B	1824372
	Ari X PRO TY"ATEX" EN SXPRO OPTI-PRO BRIDES BTLE ALBC 6,9L EN300B	1824373
HP/MP Reducer Valve	Entry connection NF-EN equipped EN144 Air pressure vessel valve	1150016-01 ROB-010-02
Working pressure gauge	HP hose LG 1050mm with pressure gauge	1814203-09
Demand valve	Valve Fenzy SX-PRO	1819753-03
Airline Inlet Hose	Pipe of sleeving	1102603-01
Additional Components		
Face Masks	Optti-Pro Silicon Noir Fenzy	4N260-01
	Panoramasque Fenzy – EPDM Noir	4N038-1

- (16) Test and Assessment Report
PP 11EXAM 10118 EG, as of 08.11.2011


- (17) Special Conditions for Safe Use

Only parts and components listed in the table under (15) above must be used in potentially explosive atmospheres. The parts and components selected must be suitable for the equipment with the relevant marking.

In the case of arbitration only the German wording shall be valid and binding.

44809 Bochum, Germany, dated 30.11.2011
11EXAM 10118

DEKRA EXAM GmbH


Certification body


Special services unit



En exécution de la directive 89/686/CEE du 21 décembre 1989 modifiée concernant le rapprochement des législations des états membres relatives aux Equipements de Protection Individuelle et des dispositions pertinentes du code du travail, portant transposition de cette directive en droit français, Apave Sudeurope SAS, organisme notifié, identifié sous le numéro 0082, attribue l'attestation d'examen CE de type.

In enforcement of amended directive 89/686/EEC of 21st of December 1989 on the approximation of the laws of the member states relating to Personal Protective Equipment and in enforcement of relevant requirements of the French labour code, providing for the transcription of this directive into French regulations, Apave Sudeurope SAS, notified body, identified under number 0082, awards the

ATTESTATION D'EXAMEN CE DE TYPE

(CE Type examination certificate)

N° 0082/236/079/03/17/0187

A l'équipement suivant : EPI de catégorie III – APR autonome à circuit ouvert, à air comprimé avec masque complet

To the following equipment: PPE category III – Self-contained open-circuit compressed air breathing apparatus with full face mask

Type : Type 2
Type

Marque commerciale : **HONEYWELL**
Trademark

Modèle : **FENZY X-PRO**
Model

Fabricant : HONEYWELL RESPIRATORY SAFETY PRODUCTS - ZI Paris Nord II - B.P. 50288 - 33, Rue Des Vanesses - 95958 ROISSY CDG CEDEX - France
Manufacturer

Description : Appareil de protection respiratoire autonome à circuit ouvert, à air comprimé avec masque complet type 2 pour la lutte contre l'incendie avec soupape à la demande à pression positive. Appareil équipé d'une plaque dorsal modèle FENZY X-PRO type II, d'une bouteille d'air comprimé avec robinet 200 bar ou 300 bar, d'un détendeur haute pression avec soupape de sûreté modèle ARIAL, d'un indicateur haute pression avec avertisseur sonore pneumatique ou d'un indicateur haute pression avec avertisseur sonore électronique modèle ANGEL II et d'une soupape à la demande à pression positive modèle ZENITH, SX-PRO ou SA 5000 à raccord spécial. L'appareil doit être utilisé avec un masque complet de classe 3 suivant EN 136 modèles COSMO, OPTI PRO ou PANORAMASQUE équipé du même raccord spécial. L'appareil peut être équipé en option d'un deuxième raccordement d'entrée moyenne pression utilisé pour l'alimentation en air à partir d'une autre source d'air respirable moyenne pression (description détaillée dans le dossier APAVE 17.7.0042, dans la table de configuration CE HONEYWELL RESPIRATORY SAFETY PRODUCTS P/N 005-07-R&D-APAVE-08 et dans le rapport d'examen CE de type 14.7.0107.002.1).

Description: Self-contained open-circuit compressed air breathing apparatus with full face mask type 2 for fire fighting with positive pressure demand valve. Apparatus with one backpack model FENZY X-PRO Type II, one compressed air cylinder with valve 200 bar or 300 bar, one high pressure reducer with relief valve model ARIAL, one pneumatic pressure indicator and warning device or one electronic pressure indicator and warning device model ANGEL II and one positive pressure demand valve models ZENITH, SX-PRO or SA 5000 with special connector. The apparatus shall be used with one full face mask class 3 according to EN 136 models COSMO, OPTI PRO or PANORAMASQUE equipped with the same special connector. The apparatus can be equipped in option with a second medium pressure inlet connector used for the supply of air from an alternative medium pressure breathable air source (detailed description in the APAVE file 17.7.0042, in EC configuration table HONEYWELL RESPIRATORY SAFETY PRODUCTS P/N 005-07-R&D-APAVE-08 and in the CE type examination report 14.7.0107.002.1).

Référentiel technique utilisé : EN 137:2006
Technical referential in use

Date de délivrance : 13/03/2017
Date of issue (day/month/year)

Date d'expiration : 21/04/2023
Date of expiry (day/month/year)

Le Responsable du Centre d'Essais et de Certification EPI
Head of PPE Testing and Certification Centre
Immaterial original

Document original immatériel



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NOTA : Toute modification apportée au matériel neuf objet de la présente attestation d'examen CE de type doit être portée à la connaissance de l'organisme habilité en application de l'article R4313-38 du code du travail.
Any modification brought about a new equipment covered by this CE type examination certificate must be notified to the body in enforcement of article R4313-38 of French labour code.

La présente attestation ne concerne pas l'équipement, de même identification, mis sur le marché avant le 13/03/2017
This certificate does not concern the equipment, with the same identification, placed onto the market before the 13/03/2017.

Cette attestation comporte une page. This certificate includes one page



**Marine & Offshore
Division**

Certificate number: 17330/C0 EC

File number: ACI 3000/005/005

Annex A1 Item number: A.1/3.7

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

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 2013/52/EU*

This certificate is issued to

HONEYWELL RESPIRATORY SAFETY PRODUCTS SAS

ROISSY CDG cedex - FRANCE

for the type of product

SELF-CONTAINED COMPRESSED-AIR-OPERATED BREATHING APPARATUS

FENZY X-PRO type 2 Model

(Mono or Bi version - minimum capacity 1200l) complete with their full face mask.

Requirements:

SOLAS 74 convention as amended, Regulations II-2/10, X/3

IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 7

IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 7

IMO Res. MSC.98(73)-(FSS Code)- as amended by MSC.206(81), MSC.217(82), MSC.292(87), MSC.311(88), MSC.327(90) and MSC.339(91), 3

EN 136:1998 incl. /AC:2003, EN 137:2006

And where the apparatus is for use in accidents with cargo :

IMO Res. MSC.4(48)-(IBC Code)- as amended, 14,

IMO Res. MSC.5(48)-(IGC Code)- as amended, 14

ISO 23269-3:2011

This certificate is issued on behalf of the French Maritime Authorities 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 will expire on: 21 May 2020

For BUREAU VERITAS Notified Body 0062,

At BV LA ROCHELLE, on 21 May 2015,

Patrice DAVID



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 & Offshore 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 :

The FENZY X-PRO type 2 is a Self-Contained open-circuit positive pressure Breathing Apparatus -SCBA- with full face mask, operating on compressed air.

The FENZY X-PRO range uses air compressed in high pressure cylinder(s) (the apparatus is designed for 200 or 300 bar using one or two pressure cylinders) carried out on an anatomic back-pack equipped with engulfment resistance and adjustable straps.

Connection of the reducer to the cylinder valve can be obtained by a 200/300 bar hand tight coupling (screw or quick connector)

The FENZY X-PRO type 2 consists of:

- full face mask (PANORAMA, OPTI-PRO and OPTI-PRO with communication system)
- compressed air cylinder
- cylinder valve
- back-pack with body harness
- high/medium pressure reducer
- lung governed demand valve (SA 5000, SA 5000 ZENITH or SX-PRO)
- pressure indicator
- medium pressure hose
- high/medium pressure hose with a pneumatic or an electronic pressure indicator (FENZY ANGEL II),

In compliance with EN 137 the weight of all equipment is not more than 18 kg.

The dimensions are Height 670 mm x Length 240 mm x Breadth 240 mm.

An automatic warning whistle is located on the pressure reducer unit, warning the wearer that the remaining pressure in the pressure vessel(s) is low.

The apparatus is to be used with a complete face mask Class 3 complying with standard EN 136.

As per requirements of regulations stated on the front page of this certificate, the volume of air contained in the cylinders shall be at least 1200 litres.

Different versions of FENZY X-PRO, indicated in the configuration table **N° P/N 022-13-R&D-APAVE-01** (for 89/686/CE directive and 98/96/CE directive) and the EC configuration table **N° 007-05-ING-DESP-08** (for PED 97/23/EC directive), are possible, depending on :

- type of compressed air cylinder(s),
- type of air cylinder valve(s),
- the type of harness,
- type of demand valve (SX-PRO, SA5000 or SA5000 Zenith),
- type of face mask (PANORAMASQUE or OPTI-PRO)
- type of second user,
- the type of medium pressure hose,
- the type high/medium pressure hose with a pneumatic or an electronic pressure indicator (FENZY ANGEL II)
- the type second user MP device (inlet or outlet connection)

Their codification is the name of the apparatus, FENZY X-PRO type II.

Only approved flexible hoses (HP and MP) can be used with the FENZY X-PRO type II.

The air supply shall meet the requirements for breathable air according to EN 12021.

2. DOCUMENTS AND DRAWINGS :

2.1 - Design drawings and specifications

Reference are included in the manufacturer documentation **N°P/N 022-13-R&D-APAVE-01** and **N° 007-05-ING-DESP-08**.

2.2 - Manual for installation, use and maintenance given in documentation in §2.1

3. TEST REPORTS :

3.1 - Test report in compliance with EN 136:1998 and EN 137:2006:

Test report N°14.7.0045.002.1, dated 03/07/2014, N° 14.7.D107.002.1 dated 12/12/2014, from APAVE Testing Center, France.

3.2 - Test report in compliance with ISO 23269-2 (2011) called by ISO 23269-3 (2011):

Test reports N°P122869 - Document DE/3, dated 29/07/2014, N°P122869 - Document DE/4, dated 29/07/2014, and N°P132070 – document DE/2 dated 27/01/2015 and N°P132070 – document DE/3 dated 12/02/2015, all from LNE Laboratories, France.

Test report N°14.7.0023.002.1, dated 03/07/2014 and 15.7.0020.001.1 dated 13/03/2015 , from APAVE Testing Center, France.

3.3 - Test report in compliance with ISO 23269-3 (2011):

Test report N°8148/14, dated 30/06/2014, from DEKRA EXAM GmbH, Germany.

4. APPLICATION / LIMITATION :

4.1 - Air cylinder(s)

Depending on type, the equipment is fitted with one (mono) or two (twin) air pressure cylinder(s).
The compressed air pressure cylinder(s) must comply with Pressure Equipment Directive 97/23/EC as amended and are to be marked accordingly.

4.2 - Reducers

Only the reducer described in the manufacturer documentation N° **P/N 022-13-R&D-APAVE-01** and N° **007-05-ING-DESP-08** can be used with FENZY X-PRO.

4.3 - Full face masks are not suitable for persons bearing beard or moustache.

4.4 - Allowed combinations of air pressure vessel(s), reducer and full face mask are to be as per test reports listed in section 3 above.

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

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

4.7 - The equipment shall be serviced only by approved Servicing Stations.

4.8 - On board the ship, the equipment is to be provided with a fireproof lifeline of sufficient length and strength as per FSS Code, Chapter 3, regulation 2.1.3 (also in 2000 HSC Code, Chapter 7, regulation 7.10.3.3), either capable of being attached to the back plate of the device.

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

4.10 - As per FSS Code, Chapter 3, regulation 2.1.2 and 2000 HSC Code, Chapter 7, regulation 7.10.3.2.2, the volume of air contained in the cylinders shall be at least 1200 litres or the apparatus shall be capable of functioning for at least 30 minutes. It shall be taken into account when referring to manufacturer documentation N° **P/N 022-13-R&D-APAVE-01** and N° **007-05-ING-DESP-08**.

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 :

6.1 - The apparatus is to be marked in accordance with provisions of EN 136:1998, EN 137:2006, and ISO 23269-3 (2011).

6.2 - Markings as per MED 96/98/EC :

☒ YYYY/XX where YYYY is the number of the Notified Body undertaking surveillance module (when BV, 0062) and where XX are the last two digits of year mark affixed.

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 the type approval certificate N° 17330/B2 EC previously issued by the Society.

*** END OF CERTIFICATE ***