AERIS

Complete Self Contained Breathing Apparatus With a 6.8 l 300Bar DIN Ultra Light Carbon Composite Cylinder

**The AERIS Self Contained Breathing Apparatus
is a new concept introducing a new HP/MP first stage reducer with movable swivel and
Second MP Output for Rescue or Airline optional tools connection.
A new comfort harness with NOMEX cushion perfectly adapted to the most stringent
conditions of use .**

FENZY

GROUPE BACOU

AERIS ZENITH DIN with 6.8LITRES 300bar Ultra Light Composite Carbon Cylinder
CE 0070 - ISO 9001

1. CYLINDER : **Ultra Light Fully Wrapped Carbon** composite cylinder, DIN standard, 6,8.liters capacity,
service pressure 300 bar, equivalent 2040 litres of breathable air, test pressure 450 bar.
Weight of cylinder fully charged is of **6.5Kg maximum**
Could be fitted optionally with a Nomex® protective hood
Duration of 51minutes minimum for an Air flow of 40 l/minutes

2. BACK PACK : **Composite Moulded Anatomic back plate**
Heat and flame Resistant, Anti-Static and Electrical isolated as per EN 137 requirements
Two large side arms with reflective straps
Three carrying handles.
Shoulder straps and belt with fast adjustment buckle.
Straps and buckles made of flame resistant material.
Nomex Comfort Padding on shoulder straps, belt strap and Back Plate
Three LIFE LINE Attachment Points with tensile strength resistance up to 150Kg.

3. HP/MP REDUCER : New Balanced Piston Type working with 200 or 300 bar.
Fitted with 2 MP outlets = 1 for User MP supply , 1 for optional accessories as MP airline or Rescue Device Unit
(Second Rescue Mask or Victim Rescue Hood).
Mobile SWIVEL to ease all type of cylinders connection fitted with DIN 477 Valve .
HP reducer is accepting without modification **1 or 2 cylinders**
High efficiency and stability of Medium Pressure adjusted at **7 bar +/- 0.5 bar**

4. HIGH PRESSURE GAUGE AND ALARM : Placed close to the ear on left shoulder strap.
The High Pressure Gauge is mounted on a handle which integrate the whistle. It is graduated
from **0 to 400 bars** and **0 to 5800PSI**, highly **Photo Luminescent**, protected with a rubber cover.
Whistle is supplied with Medium Pressure to obtain a low air consumption (< to 5 litres).
The whistle starts around **55 bar** and operates continuously to indicate the last minutes of use which
represents **20%** of remaining breathable air of the cylinder, even works with partially filled up cylinder

5. POSITIVE PRESSURE DEMAND VALVE TYPE 5000 : **AirKlic Quick connection**.
Fully Automatic positive pressure at time of connection of the demand valve on the mask.
No first breath required to operate the demand valve. **"SAFETY"** connection type **ZENTIH**
(with 2 points). Automatic shut off of Air supply at disconnection without any manipulation.
Positive pressure output adjusted at 3 $\pm$ 0,5 Mb. Fitted with a safety device **By-Pass**
push button with flow up to **500l /minute** within **Positive Pressure**

6. WIDE PANORAMIC VISION FULL FACE MASK : **Biomask – Panoramask - Cosmo**
AERIS ZENITH is compatible to accept 3 different types of Panoramic Positive Pressure Face Mask
All masks are certified as per European Standard **EN 136- 1998**. Exhalation valve adjusted to **5 ± 0,5 Mb**.
Fastening devices available for each type are Head straps , **Nomex®** Net or Fastening Kit for Gallet F1 helmet
Double Sealing lip for higher comfort and tightness - Panoramic Visor for Fire Interventions.
Equipped with inner double valve Half Mask , speech diaphragm , Inner corrective spectacles attachment

BIOMASK   **PANORAMASQUE**   **COSMO**

7. REFILLING CONNECTION : **EN / DIN** Standard.

8. APPROVAL : The AERIS is certified **EN137** and **EN136.10, VERITAS** Approval ,**ISO 9001** Insurance Quality policy
FENZY is registered as Army Supplier and has **NATO** Identification **n°24-44 Fr**.

9. WEIGHT : Complete set total weight of **11Kg** according to Full Face Mask type selected

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