

Following the most exigent requirement to fulfill HALO/HAHO missions, CIMSA Ingeniería de Sistemas has configured a complete oxygen system as a complement for any tactical military parachute. This equipment consists of the following components:

OXYJUMP KIT (P/N E31228-02-XXX) is a high altitude diluter demand breathing system for parachutists based on 200 bar (3,000 psi) technology for increased oxygen quantity at minimized cylinder volume. OXYJUMP system uses mainly the following items:

- 2 Liter or 4 Liter pre-breathing or ascent cylinder instead of oxygen console. It allows complete autonomy between the jumper and the Aircraft.
- 1 Liter or 2 Liter decent cylinder.
- Pressure Reducer Assembly to reduce the bottles oxygen pressure.
- Automatic Change Over Valve (ACOV) with 100% oxygen pre-breathing supply during ascent phase and with the capability to adapt the mix between oxygen and pure air depending on altitude during descent. It must be able to interchange both functions without an interruption of oxygen supply. In case of any incident in mixture supply, the system must be able to go back automatically into the 100% oxygen supply.



BREATHING MASK (P/N E36441-01-XXX) utilizes a lightweight composite hard-shell that may be custom-trimmed to allow comfort while maintaining appropriate fit. A silicone rubber face piece incorporates a reflective seal design for optimum sealing capabilities, and a chin cup which provides mask stability and retention. An exhalation valve occlude is incorporated on the compensated exhalation valve to assist the parachutist/aircrew in performing valsalva. It is equipped with a microphone and a connector to radio communication equipment. A flexible, non-bendable textile hose connects the mask to the breathing regulator and assures free flow of breathing gas during free fall.

The mask can be connected to the light weight helmet by means of bayonet-couplings.



TACTICAL PARACHUTE HELMET JH-05 (P/N S10006-00-XXX) is made of aramid-carbon compound and epoxy resin in flat black non-reflecting colour. All its screws and metal part in stainless steel, has an integrated visor adjustable and shell surface integrated platform for oxygen mask receivers. The JH-05 has an adjustable and exchangeable lining for head sizes from 53cm to 62cm, and a platform for GPS antenna or other equipment. Also it has a NVG adapter, anti-collision light and neoprene full face mask with neck cover as optional.



OXYGEN BOOSTER DOB-T (P/N E36529-00) is a mobile electrically driven pump to charge the oxygen cylinders into the base.



OXYGEN BOOSTER DOB-H (P/N 6531300) is a mobile manually operated pump to charge the oxygen cylinders in the field.



MOBILE OXYGEN TESTER (P/N E34500-01) has been developed as a field tester for the OXYJUMP system to enable that the equipment can be tested before and after each mission.



MOBILE FILLING STATION (OXYMOBILE) is a trailer with sealed container for filling oxygen parachute/aircraft equipment.

BARCELONA

P.I. El Ramassar c/ Vallés, s/n
08520 Las Franquesas (SPAIN)
Tel. (+34) 938 617 040
Fax. (+34) 938 617 041

MADRID

Paseo de la Castellana, 115
28046 Madrid (SPAIN)
Tel. (+34) 915 631 744
Fax. (+34) 915 633 623

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