PHAOS

PARACHUTIST'S HIGH ALTITUDE OXYGEN SUPPLY SYSTEM

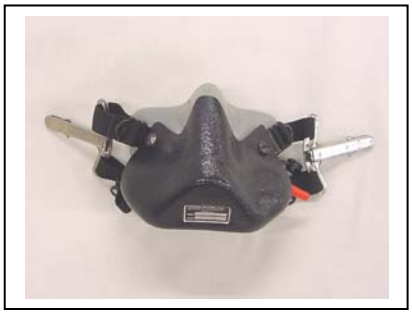
THE PHAOS SYSTEM

The system is designed to meet the high altitude parachutist's mission requirements. The PHAOS System integrates an MBU-12P mask with an automatic diluter/demand regulator (as opposed to a constant flow system). This maximizes the effective use of oxygen which is consistent with mission objectives and individual user requirements.

The PHAOS System provides automatic, 100% oxygen breathing when connected to a pre-breathing oxygen console and programmed dilution when breathing from the individual oxygen supply. This system was developed by integrating component concepts tested to military specifications. It meets all applicable oxygen system specifications.

MEETING THE CHALLENGES FOR HIGH ALTITUDE PARACHUTISTS

- Mask Integrated Diluter/Demand Regulator
- Stainless Steel Hose Fittings with Brass Quick Connects
- 35,000-Foot Capacity
- Light Weight Mask
- Low Profile Design



PARA-FLITE INC.

5800 Magnolia Avenue, Pennsauken, NJ 08109-1399, U.S.A.
Tel: (1) (856) 663-1275 E-Mail: Marketing@paraflite.com
Fax: (1) (856) 663-3028 Website: www.airbornesystems-na.com

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THE PHAOS OXYGEN SUPPLY

The individual oxygen supply manifold includes a reducer, on/off valve, relief valve, gauge, fill valve and an oxygen console connector. Bottle(s) and hose assembly are also included. The reducer provides strict control of the oxygen supply. The on/off valve is human engineered for the parachutist's safety. It must be turned to the "on" position before connection to the pre-breathing oxygen console. When disconnected from the console, the individual oxygen supply automatically flows. The hose assembly includes a quick disconnect fitting.

THE PHAOS MASK

The low profile, lightweight mask incorporates a diluter/demand regulator, auto dilution shut off, dilution aneroid, exhalation valve and male bayonet fittings. The mask eliminates hoses and connectors on the front torso providing the parachutist with a "clean front" thus improving vision and mobility. The mask-mounted dilution port and exhalation valve allows the user to breathe comfortably throughout total descent, even after all oxygen is consumed. This also provides facial protection for inadvertent landings in brush and trees.

PHAOS OPTIONAL EQUIPMENT

The basic PHAOS System can incorporate:

- Various bottle capacities to increase duration
- Mask integrated communications (microphone)
- Helmet with fiberglass hard shell, rigid foam insert and bayonet receptacles
- Helmet integrated communications (headphones)

All optional equipment is interchangeable with existing equipment and conforms to relevant military specifications.

APPLICABLE SPECIFICATIONS

All components have been designed or selected to conform to the relevant requirements of applicable military specifications.
MIL-G-7601 Gage, Emergency Oxygen
MIL-C-7905 Cylinder
RR-C-501
MS26545
MIL-R-17852 Reducer, Oxygen Pressure
MS 22066-3 Valve, Check, Oxygen Charging
MIL-H-81581 Hose Assembly, Breathing Oxygen
MIL-R-83178 Regulator, Oxygen, Diluter-Demand

ORDERING INFORMATION

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
603000-0	Oxygen Supply Sys, 44 cu. in., Twin 22 cu. in.	603500-0	Helmet Assy., Med, with Communications
603100-0	Oxygen Supply System, 88 cu. in., Single	603500-1	Helmet Assembly, Large
603200-0	Oxygen Supply System, 120 cu. in., Single	603500-2	Helmet Assembly, X-Large
603300-0	Mask Assy., Short, w/o Communications	603510-0	Helmet Assy., Med. With Communications And Detachable Visor
603300-1	Mark Assembly, Reg.		
603300-2	Mask Assembly, Long	603510-1	Helmet Assembly, Large
603300-3	Mask Assembly, Ex-long	603510-2	Helmet Assembly, X-Large
603400-0	Mask Assy., Short with Communications	603700-0	Oxygen Charging System
603400-1	Mask Assembly, Reg.		
603400-2	Mask Assembly, Long		
604400-3	Mask Assembly, Ex-long		