

Support Equipment for Parachute at Ultra-high Altitude



Introduction

The high-altitude oxygen supply system consists of oxygen cylinders and hoses assembly to provide oxygen supply to personnel on board the aircraft, particularly applicable for aircraft without oxygen supply system.

High Altitude Oxygen Supply System



Onboard Oxygen Cylinder

The Onboard Oxygen Cylinder (5L) has three outlets to support up to three passengers at altitude of up to 25000 ft (7620 m) for the aircraft without oxygen supply system.



Single-Person Oxygen Cylinder

The Single-Person Oxygen Cylinder provides individual personnel with oxygen supply at the altitude up to 25000 ft (7620 m) during airdrop operation. More sizes and specifications available.



Oxygen Masks

The mask is ergonomically designed and fabricated with high-quality silicon rubber and PC composite material. It has a face-conforming feature, providing comfortable contact to the wearer's facial structure. The mask matches existing in-service helmet and individual helmet communication system. The mask filter can prevent impurities in the air to ensure safe breathing.



Oxygen Hoses

The Oxygen Hoses Assembly features a flow indicator directly showing flow status. A switch-over valve in the hoses is available to connect to the airborne oxygen supply system as needed. When switched-over to airborne oxygen supply system of the aircraft, the oxygen supply from cylinder will be automatically shut off. Similarly when removed from airborne oxygen supply, the cylinder will automatically start supplying.

HIGH ALTITUDE OXYGEN SUPPLY SYSTEM

Night Parachute Support Equipment

NIGHT PARACHUTE SUPPORT EQUIPMENT

Tactical Helmet Light



Function

The helmet light is compatible with all helmets that has standard Ops-Core ARC rail, such as military and police helmet, fire-fighting and emergency rescuer helmet. The outer shell is made of aviation aluminum anodized to military standard. It has light-weight, compact and robust features, only weighing 45 grams. It is also compatible to 24.5mm flashlight, with a 360-degree -rotation bracket for 8-direction lighting, convenient for adjustment.

Identification Light



Function

Helmet identification lights can be efficiently attached to helmet Velcro for grouping, identification, and location during tactical missions.

Illuminated Wind Direction Indicator



Function

The digital indicator displays wind speed and wind direction near the location during nighttime parachute missions.

Characteristic

The modular design of the illuminated directional wind speed indicator device makes it easy to transport. The device was deployed by paratroopers as they descended and then illuminated the landing zone upon reaching it. The blinking light moves toward the drogue direction and indicates wind speed and direction.