



## ASCENT

### OXYGEN SYSTEM

Used for pre-breathing and the aircraft ascent to jump altitude. At the jump altitude, the Parachutist can either disconnect from the Ascent Bottle Leaving the Bottle in the Aeroplane, or can keep the Ascent Bottle attached. The Ascent Bottle replaces the need for a Console. The complete system is specifically designed to support military HAHO and HALO parachuting operations from 25,000ft.

The advantage of the AERO<sup>2</sup> system is that no Console is required. Therefore the parachutist can operate from any aircraft and can do so without the need of a Console to be fitted to the Jump Aircraft.

### KEY FEATURES

- Lightweight
- 207bar / 3000psi fill pressure
- Oxygen safe pressure regulator
- Improved mission flexibility

### SPECIFICATION

Medium Cylinder Fill Pressure	Oxygen 207bar	
Outlet Pressure	5.5bar nominal	
Weight (unfilled)	2150g	5050g
Cylinder Capacity	3-litres	5-litres
Expanded Gas Volume	620-litres	1030-litres

### OPERATING ENVIRONMENT

Temperature	-50 to 50°C
Humidity	0 to 100%, non-condensing
Altitude	25,000ft ceiling







## DESCENT OXYGEN SYSTEM

The Parachutist switches to the Descent Oxygen Bottle to perform the Parachute Jump. The complete system is specifically designed to support military HAHO and HALO parachuting operations from 25,000ft.

The advantage of the AERO² system is that no Console is required. Therefore the parachutist can operate from any aircraft and can do so without the need of a Console to be fitted to the Jump Aircraft.

## KEY FEATURES

- Lightweight
- 207bar / 3000psi fill pressure
- Oxygen safe pressure regulator

### SPECIFICATION

Medium Cylinder Fill Pressure	Oxygen 207bar
Outlet Pressure	4bar nominal
Weight (unfilled)	1650g
Cylinder Capacity	2-litres
Expanded Gas Volume	410-litres

### OPERATING ENVIRONMENT

Temperature	-50 to 50°C
Humidity	0 to 100%, non-condensing
Altitude	25,000ft ceiling





# PARACHUTIST HELMET

The Aerodyne Parachutist Helmet is the latest ultralightweight high cut tactical ballistic helmet. It combines a hybrid ballistic helmet shell and tactical add-ons with Team Wendy's 4-point chinstraps and D3O's blunt impact protection. The helmet utilises the latest helmet technology from a world leader in composite ballistic materials and battle proven helmets for the past 30 years, delivering over one million helmets to customers worldwide



## KEY FEATURES

Ultralightweight ballistic helmet shell delivering outstanding ballistic, fragmentation, flammability and blunt trauma protection. Integration of renowned class leading D3O TRUST padding and Team Wendy's CAM-FIT retention systems for comfort and stability during enduring missions. Available in three sizes which fit 1st percentile female up to 98th percentile male. Available with lightweight open architecture side rails, bungees and 3-hole NVG shroud for mounting tactical accessories including lights, hearing protection/comms, strobes, cameras, night vision goggles and mounts.

SIZE	HELMET WEIGHT		HELMET SIZING			COVERAGE	
	HELMET ONLY	HELMET WITH SHROUD, RAILS AND BUNGEEES	CIRCUMFERENCE	LENGTH	WIDTH	SURFACE AREA	HEAD COVERAGE
SMALL	1.08 KG	1.23 KG	up to 545mm	up to 190mm	up to 155mm	899cm <sup>2</sup>	507cm <sup>2</sup>
MEDIUM	1.10 KG	1.28 KG	545 - 580mm	190 - 200mm	155 - 165mm	958cm <sup>2</sup>	577cm <sup>2</sup>
LARGE	1.17 KG	1.31 KG	580 - 610mm	200 - 210mm	165 - 175mm	1058cm <sup>2</sup>	628cm <sup>2</sup>

## BALLISTIC PERFORMANCE AND TECHNICAL SPECIFICATIONS

FRAGMENTATION AND BALLISTIC PROTECTION	17 gr FSP V50	16 gr Sphere V50	9mm FMJ Vproof
	> 735 m/s	> 620 m/s	436 m/s
COMPRESSION RESISTANCE	Front to back	Side to side	Top to bottom
	1100N	1100N	1500N



TEAM WENDY  
CAM-FIT  
RETENTION



FULLY ADJUSTABLE  
7 PIECE D3O  
TRUST PADDING



OPTIONAL OPEN  
ARCHITECTURE  
SIDE RAILS



OPTIONAL  
LIGHTWEIGHT  
NVG SHROUD





## PARACHUTIST OXYGEN MASK



The Aerodyne Parachutist Oxygen Mask is used in conjunction with the Descent Supply System and Ascent Supply System. The complete system is specifically designed to support military HAHO and HALO parachuting operations from 25,000ft. The system provides 100% oxygen via a demand regulator mounted in the facemask. The facemask is securely connected to the helmet using our unique adjustment system and is compatible with commonly used ballistic helmets and rails.

### KEY FEATURES

Significantly improved comfort High performance demand regulator Low maintenance Integrated communications available Available in two sizes (small and large)

#### SPECIFICATION

Medium	Oxygen
Inlet Pressure Range	5.5 – 4.5bar
Flow Rate	Upto 150 SLPM
Inhalation Resistance	25mm H <sub>2</sub> O
Exhalation Resistance	<10mm H <sub>2</sub> O
Anti Suffocation Valve	<10mm H <sub>2</sub> O

#### OPERATING ENVIRONMENT

Temperature	-50 to 50°C
Humidity	0 to 100%, non-condensing
Altitude	25,000ft ceiling

