TECHNICAL DATA SHEET



CE EN 137:2006 , TYPE 1

APEX AIR 6.8 - SELF-CONTAINED BREATHING APPARATUS (SCBA)

PRODUCT OVERVIEW

The **Apex Air - 6.8 SCBA** Series is designed to deliver reliable respiratory protection in hazardous and oxygen-deficient environments. Built for durability, comfort, and performance, it ensures a consistent air supply for demanding industrial and emergency applications.

BASIC COMPONENTS

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Full Face	Rubber headnet • Permanent dual anti-fogging system • Scratch-resistant and abrasion-resistant lens • Spherical lens design provides a wide field of view
Demand Valve	360° quick-connect joint delivers fast, automatic air supply • Equipped with emergency gas supply button and throttle switch • Automatic suction structure extends cylinder usage time
Harness and Pressure	Ergonomic harness design allows up to 180° flexibility • Pressure gauge includes an integrated alarm whistle • Full rubber shock absorbers reduce vibration to the gauge and alarm

Pressure Reducer	• Balanced pressure reduction design for stable airflow • Medium-pressure alarm and safety valve activate automatically if the reducer malfunctions
Gas Cylinder and Cylinder Valve	• Composite cylinder featuring an aluminum alloy liner fully overwrapped with carbon fiber, delivering high strength, reduced weight, and long-term durability • High-pressure design ensures a consistent, reliable air supply under demanding operating conditions.
Carrying Box	High-quality protective plastic case for safe storage and transport • Available in black options

OPTIONAL COMPONENTS



Optional Cylinder Valve



Height-adjustable Backplate



Electronic Pressure Gauge



Pressure HUD Device



Cylinder Quick Change



Buddy Breathe Hood

TECHNICAL SPECIFICATIONS

Full Face Mask	Material	Mask Body	Silicone
		Headnet	Rubber
	Field Of View		Rubber
	Inhalation Resistance		≤5bar
	Exhalation Resistance		≤10bar
Demand valve	Exhalation Resistance		≥500l/Min
Gas Cylinder	Material		Carbon Fibre
	Shelf life		15 years
	Volume		6.8 L
	Working Pressure		300bar
	Alarm Pressure		(55±5)Bar
	Operating Temperature		-30°C to +60°C
	Service Time		45–60 minutes
Harness	Material		PA +pure cotton
Reducer	Material		Copper alloy
	Airflow		≥1000l/Min
	Input pressure		(7.5±1.5)Bar