AirGear® PRO

PRODUCT SPECIFICATION



CE EN137:2006 TYPE 2

APEX AIR – 6.8 FR SERIES SCBA

APEX AIR 6.8 FR SCBA



The **APEX AIR 6.8** FR SCBA is a self-contained breathing apparatus designed to provide reliable respiratory protection in oxygen-deficient, smoke-filled, and toxic environments, particularly for firefighting and emergency rescue operations. It is CE certified and offers multiple configurable options to meet diverse operational requirements and user needs.

Basic Components

Basic Components	Description
Full-face 	• Kevlar headnet (rubber option available) • 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 & 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 • High-pressure tubing features a spiral reinforcement design for increased durability

Gas Cylinder & Cylinder Valve 	• Composite aluminum alloy liner with carbon fiber wrap for lightweight strength and durability • High-pressure design ensures reliable and stable air supply
Carrying Box 	• High-quality protective plastic case for safe storage and transport • Available in black and khaki color options

Optional Components



Optional Cylinder Valve



Height-adjustable backplate



Electronic pressure gauge



Pressure HUD device



Cylinder quick change



Buddy breathe hood

Specification

Full Face Mask	Material	Mask Body	Silicone
		Headnet	Kevlar/Rubber
	Field Of View	≥90%	
	Inhalation Resistance	≤5bar	
	Exhalation Resistance	≤10bar	
Demand valve	Maximum Air Supply Rate	≥500l/Min	
Gas Cylinder	Material	Composite aluminum alloy liner with carbon fiber wrap	
	Shelf Life	15 years	
	Volume	6.8l(5l/6l/9l)	
	Working Pressure	300bar	
	Alarm Pressure	(55±5)Bar	
	Operating Temperature	-30°C to +60°C	
	Service Time	45–60 minutes	
Harness	Material	Nomex Or Kevlar	
Reducer	Material	Copper alloy	
	Airflow	≥1000l/Min	
	Input pressure	(7.5±1.5)Bar	