

Self Contained Breathing Apparatus (SCBA)

Aplus A3000

Aplus A3000

The APLUS A3000 is a breathing apparatus for firefighters, rescuers and works requiring complete respiratory protection. Combining comfort without sacrificing performance, it is suitable for applications where simplicity and ease of use are key essentials. Lightweight yet robust, and easy to don, this advanced breathing apparatus provides the ultimate in breathing protection.



1. Drag rescue device (DRD) for easy rescue of any man down



2. Anti-static impact resistant light weight space frame



3. HP/MP hoses tucked away neatly to prevent tearing and abrasion



4. Reflective shoulder indicators



5. Hard wearing flame retardant webbing



6. Rapid quick coupling – able to customize for dual users



7. Comfortable weight bearing padding



8. Rubber gauge cover impact protection



9. Glow-in-the-dark cylinder for low-light visibility



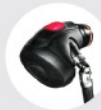
10. Lightweight and flame retardant buckles

Aplus A3000 System Components



A20 Full-face Mask

The APLUS A20 full-face mask features a silicon inner mask which is designed to be soft and comfortable for the user. The silicon/ EPDM face seal is easy to wear and provides a good seal between users' face and mask. The polycarbonate spherical window provides a wide and clear view for the user.



A3000 Lung Demand Valve (LDV)

Suitable for the most extreme applications whenever Breathing Apparatus has to be worn: with its compact and robust design, and excellent pneumatic performance, the APLUS A3000 Lung Demand Valve (LDV) will always deliver the air that you need.



Compressed Air Breathing Cylinders

Designed with the latest technology, APLUS's range of Composite Cylinders can be used in any application where breathing becomes difficult or impossible.



High Pressure Reducer

High pressure reducer keeps the medium pressure stable regardless of the residual pressure in the cylinder or cylinders and the respiratory rate.



Dual Reading High Pressure Gauge

Dual readings ensures majority of users know what the reading represents. The pressure gauge also features a fluorescent surface (luminous function) and an external rubber casing to absorb vibration due to shocks and knocks.



Alarm Whistle

A powerful 90dB whistle activates to warn the user and those around once the air supply drops to 50 – 60 bar. Whistle is designed to consume less air when activated thus saving remaining air for the user.

Aplus A3000 Technical Data



Aplus A3000 Self Contained Breathing Apparatus (SCBA)

Weight (backplat & harness)	Approx. 4kg	LDV output flow	400L/min
Dimensions	580(h) x 310(w) x 170(d)mm	Exhalation resistance	≤10m bar
Input pressure	0-300 bar	Inhalation resistance	≤5m bar
Nominal 1st stage output pressure	6-9 bar	Approved temperature	-30°C~60°C
1st stage output flow	>500L/min	Breathing Apparatus (approvals)	EN 137 :2006 Type 2; EC-MED (EU) 2017/306



Aplus A3000 Carbon Composite 6.8L Cylinder

Weight (nett)	3.9kg	Test pressure	450 bar/6750 Psi
Outer diameter	157mm	Thread size	M18x1.5
Outer length	530mm	Maximum Service Life	15 years
Air Filling Medium	Breathable Air (EN12021)	Next hydrotest period	5 years
Working pressure	300 bar/4500 Psi	Working Temperature	-30°C~60°C



Aplus A20 Full-face Mask

Skirt and inner mask material	EPDM with silicon inner mask
Visor	PC class 3 with anti-fog treatment
Speech diaphragm	Yes
Type of head harness	5 points rubber
Neck strap provided	Yes
Weight	Approx. 600g (depending on variations)
Available size	Universal
Facemask (approvals)	EN 136 :1998; EC-MED (EU) 2017/306



Aplus A3000 High Pressure Gauge

Type of gauge	Pneumatic
Precision	Class 1.6
Measurement unit	Bar, MPa
Protection	Rubber encased
Visibility in darkness	Yes
Activation pressure	50-60 bar
Sound level	>90dB at ear

Optional Add-On Items



Voice Communication System

Enable users to communicate via walkie-talkie with the full face mask.



Excess Flow Valves (EFVs)

Safety devices installed on the cylinder to reduce the risk of accidents.



9-Litre Carbon Composite Cylinder

Increase capacity and duration of SCBA from 6.8 litre to 9 litre.



Cylinder Protective Cover

Protect cylinder against wear and tear. Enable cylinder to be in standing position when on standby.

