



SPECIFICATION

Manufacturer:	Safelab Systems Ltd
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Product description:	1000mm wide Mobile Filtration fume cupboard
Range:	Airone RS Mobile filtration fume cupboard
Product Code:	Airone 1000RS
Application:	For use in Science Laboratories whenever the operator and the environment need to be protected from gaseous or particulate contaminants. Designed for use in school laboratories. The unit gives maximum flexibility and can be manoeuvred between different rooms. A counterweighted sliding front sash and clear laminated glass sides and rear provide 360° all round visibility making this ideal for demonstrations. Lowering the sash will reduce the airflow and therefore, noise is reduced to a minimum benefiting demonstrations.
Standards:	Designed to comply with BS7989:2001 for filtration fume cupboards & CLEAPSS G9 Fume cupboards in Schools. Previously successfully tested by CLEAPSS against the specification in Building Bulletin 88, Fume cupboards in Schools which has been replaced with CLEAPSS G9 Fume cupboards in Schools.
Guarantee:	5 years warranty when Safelab carry out the annual service.
Installation:	Mobile fume cupboard to be used in conjunction with a docking station.
External dimensions:	1000mm wide x 700mm deep x 1850mm high
Internal dimensions:	950mm wide x 500mm deep x 865mm high
Main Filter type & size:	CMS 22kg 690mm x 490mm Filter - Safelab Systems activated/impregnated carbon filter for absorbing hazardous gases and vapours.
Pre-filter:	One piece cardboard framed blended synthetic fibre with polypropylene spun-bonded scrim
Filter life expectancy:	4.7 years
Average inflow:	>0.4 m/s
External carcass:	Manufactured from 16swg mild steel and profiled aluminium aerofoil extrusions and painted in epoxy powder coating
Glazed side & rear panels:	6mm Laminated security glass
Top panel & rear baffle:	Clear Acrylic
Lower Aerofoil:	Profiled Stainless Steel
Worktop:	Fabricated white polypropylene spillage tray with drip cup



Sash:	6mm Laminated security glass
Sash operation:	Sliding with counterweights – conforms to BS EN14175-2:2003 as indicated in item 2.1.3 of CLEAPSS G9 Fume Cupboards in Schools document, the sash cannot fall if one of the suspending cable-cords is cut. Moving the vertical sash upwards and downwards causes the fan to speed up or slow down to give a constant face velocity, this is controlled by a micro switch.
Filter Housing:	Moving the vertical sash upwards and downwards causes the fan to speed up or slow down to give a constant face velocity, this is controlled by a micro switch.
Minimum working aperture:	200mm high
Maximum working aperture:	365mm high
Colour:	Light Grey RAL-7035 and White RAL-9016
Storage cabinet:	Manufactured from mild steel and painted in epoxy powder coating -Integral.
Castors:	Integral heavy duty with locks on the front.
Low Airflow light:	A visual indication of a low airflow condition or when the filters need changing.
Weight:	125kg including filter
Noise level:	59dBA
Services:	
Gas service:	Single gas outlet and fascia mounted control valve with flexible service pipes and stainless-steel tether.
Gas connection:	1/8" Quick release fittings and 2m hose for connection to Docking station
Water tap:	Single cold-water outlet with serrated nozzle and fascia mounted control valve with flexible service pipes
Water tap connection:	1/4" Quick release fittings and 2m hose for connection to Docking station
Gas safety Tether Cable:	2m Stainless steel braided cable with carabiner hook.
Sink :	200mm x 300mm x 150mm deep white polypropylene
Waste:	38mm Vulcathene Bottle trap with flexible waste hose.
Electrical sockets:	Fascia mounted Single 13Amp outlet
Supply:	230V 50Hz - 0.9 A (excluding electric socket load).