



## **SPECIFICATION**

Manufacturer:	Safelab Systems Ltd
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Product description:	1000mm wide Semi Mobile Ducted fume cupboard
Range:	Airone DS Semi Mobile Ducted Constant Air volume fume cupboard
Product Code:	<b>Airone 1000DS Science Laboratory</b>
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 flexibility and can be manoeuvred between different locations in the room (within the range of the flexible extract duct). 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 demonstration.
Standards:	Designed to comply with 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:	Semi Mobile ducted fume cupboard to be used in conjunction with a docking station and connected to an extraction system.
External dimensions:	1000mm wide x 700mm deep x 1850mm high – Access clearance height is 1915mm.
Internal dimensions:	950mm wide x 500mm deep x 780mm high
Average inflow:	>0.45 m/s
Air Volume:	500m <sup>3</sup> /hour
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. The fume cupboard uses an air bypass system to give a constant face velocity at different sash heights within the working range.
Air Bypass:	A perforated area on the upper fascia provides bypass air entry, decreasing as the sash is raised. This operates over the full height of the working sash opening providing constant air volume.
Minimum working aperture:	200mm high
Maximum working aperture:	400mm 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 alarm:	Monitors safe airflow at the working aperture.
Weight:	120kg
<b>Services:</b>	
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:	¼" Quick release fittings and 2m hose for connection to Docking station
Gas safety Tether Cable:	2m Stainless steel braided cable with carabiner hook.
Drip cup:	Vulcathene Drip cup
Waste:	38mm Vulcathene Bottle trap with flexible waste hose
Electrical sockets:	Fascia mounted Single 13Amp outlet
Supply:	230V/50Hz, 13Amp