



# RESPIREX

## Breathing Air Filter Cabinets

These units have been designed to ensure that breathing air supplied to the wearer of a Respirex suit is clean, breathable and in accordance with EN132:1990 and BS 4275:1974.

The units are manufactured in a robust lightweight fibre glass cabinet with a clear polycarbonate front panel complete with a sealing gasket. The cabinets can be permanently wall mounted or portable. All units have a pressure gauge and adjustable pressure regulator and can be supplied with either a double or triple outlet depending on the number of garments to be used.

- The wall mounted units are fitted with an external shut-off valve which can be locked in the open or closed position.
- The portable units are fitted with a carrying handle allowing easy portability and large feet to provide stability on any surface (approximate Weight 8.5kg).

### **The Filtration System Comprises of a Three-Stage Filter Set:**

#### **Grade AO (First Stage) High Efficiency General Purpose Protection**

For the removal of particles down to 1 micron including coalesced liquid water and oil, providing a maximum remaining oil aerosol content of 0.5mg/m<sup>3</sup> @ 21°C. Recommended filter life 6000 hours.

#### **Grade AA (Second Stage) High Efficiency Oil Removal Filtration**

For the removal of particles down to 0.01 micron including water and oil aerosols, providing a maximum remaining oil aerosol content of 0.01mg/m<sup>3</sup> @ 21°C (preceded by Grade AO filter). Recommended filter life 6000 hours.

#### **Grade ACS (Third Stage) Activated Carbon Filtration**

For the removal of oil vapour and hydrocarbon odours giving a maximum remaining oil content of <0.003mg/m<sup>3</sup> (0.003 ppm) (excluding methane) @ 21°C (precede Grade ACS with Grade AA filter). Recommended filter life 1000 hours.



**(Note: These units will not remove carbon monoxide, carbon dioxide or other toxic gases or fumes).**

### **Benefits:**

- Manufactured in accordance with ISO 9001
- Long life filter elements
- Differential pressure indicators (DPI) are fitted as standard on AO & AA filter housings. When the indicator shows red the filter element should be replaced.
- AO & AA filter housings have sight glasses allowing a visual check of liquid collection and drain function.
- AO & AA filter housings have automatic drain valves as standard so collected condensate is always removed.
- Suitable for all types of compressor
- Compatible with all compressor oils

All cabinets are fitted with a removable drip tray allowing condensate to be emptied.

Replacement filter elements are easily changed by removing the drip tray and unscrewing the filter bowls. All filter elements and spare parts are available from Respirex.



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