



Air purification systems

ZANDAIR™ 100C Air Purification for ART

The portable 100C air purification unit has been specifically developed to meet the rigorous demands of ART laboratories.

As technology has advanced, the necessity to filter air has become more important to the success rates of ART clinics. Air pollutants, dust particles, mould spores, dander, pollen, dust mites, cleaning chemicals, volatile organic compounds (VOCs), chemically active compounds (CACs), aldehydes, carcinogenic materials, carbon monoxide, viruses and bacteria have a direct influence on a laboratory's results as well as on the health of laboratory workers.

The ZANDAIR 100C uses a 4-step process to purify the air within the laboratory, using two Activated Carbon Filters, Photo-catalytic-oxidation and ultraviolet technology.

- **Activated carbon filters absorbs toxic chemicals and gases**
- **Micro-particles removed by hospital grade HEPA filter**
- **Photo-catalytic oxidation destroys toxic chemicals and eliminates odours**
- **Ultraviolet light renders viruses and bacteria harmless**



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1. The front position of the activated carbon filter, with a specially formulated mixture of proprietary compounds, absorbs all VOCs and CACs in the laboratory environment

2. A second activated carbon filter increases the ‘dwell time’ providing a higher adsorption of VOCs and CACs

3. Photo-catalytic-oxidation converts toxic compounds into benign constituents such as water (H₂O) and carbon dioxide (CO₂). The catalyst does not wear out or lose its effectiveness as a result of its actions

4. Ultraviolet technology, combined with photo-catalytic-oxidation, is an important feature of this purification system since germs are easily spread from person to person and by central heating and air-conditioning systems.

Specification	
Dimensions	55 cm X 46 cm X 20 cm
Weight	10.43 kg
Max air flow	265 CFM / 7.5 m ³ per minute
Max watts	110 watts
Voltage	120 v – 60 Hz /220 V – 50 Hz
Blower	Reversed – curved motorized impeller
Catalyst	Metal oxides
U.V. range	254 nm (produces no ozone)
Particle filter	0.3 micron HEPA
Gas adsorption	Activated carbon media
Application	2,000 sq. feet max./185 sq. meters
Service	U.V. lamps -1 year, Filters – 6 months
Warranty	2 year limited warranty on all components excluding light and filters

Order Code	Description
FHTIZ100C220V	ZANDAIR 100C, Air purifier, photo- catalytic oxidation system, 220V
FHTIZRK203	Replacement UV lamp 8w for ZANDAIR models 100C / 100P
FHTIZRK301	Replacement filter set for ZANDAIR 100C. Includes: 1x activated carbon filter and 1x HEPA filter

Zi196/V1

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