



Air purification systems

ZANDAIR™ 100P Air Purification Unit for Pathology

Specifically designed to meet the rigorous demands of anatomical pathology and forensic laboratories

The ZANDAIR 100P Air Purification System is a portable unit, specifically developed to meet the demands in anatomical pathology and forensic laboratories where formalin and other toxic hydrocarbons are prevalent. They are effective in areas where pathology chemicals are used and the regular refilling for automated and manual slide stainers and processors is required.

The ZANDAIR 100P uses a 4-step process to purify the air within the laboratory, using two activated carbon filters, photo-catalytic-oxidation and ultraviolet technology.

A special attachment for personnel working in small “Cut-up” and “cover slipping” areas is available. An acrylic cover over the work area directs airflow in a downward direction and contains fumes coming from open containers.

- **Activated carbon filters absorb 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 / 220V – 50 Hz
Blower	Reversed – curved motorized impeller
Catalyst	Metal oxides
U.V. range	254 nm (produces no ozone)
Gas adsorption	Two stage 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
FHTIZ100P220V	ZANDAIR 100P, Air purifier, photo-catalytic chamber, 220V
FHTIZRK203	Replacement UV lamp 8w for ZANDAIR models 100C / 100P
FHTIZRK401	Replacement filter Set for ZANDAIR 100P includes: 2 x activated carbon filters

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