

ALSO ON CLINICAIR RANGE



- Temperature control
- Humidity control
- Air renewal and air decontamination (filtration)
- Pressure in the room
- Air flow speed from 1000 to 20000 m3/h.
- Pressure up to 1500 Pa
- Cooling system: direct expansion or chilled water



- Temperature control
- Humidity control
- Air renewal and air decontamination (filtration)
- Pressure in the room
- Air flow speed from 3000 to 8000 m3/h.
- Pressure up to 500 Pa
- Cooling system: direct expansion or chilled water.

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HYGIENIC
AIR QUALITY EXPERT



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CLINICAIR® 1b is an attractive “plug & play” solution dedicated to control air quality in operating theatres or other risk areas.

Top of class in reducing airborne diseases, CLINICAIR® 1b will prove its efficiency by the combined action of BIOXIGEN decontamination system and HEPA H14 filtration (99,995% particle reduction up to 0,3 microns (MPPS)).

They provide fast bacteriological and particle decontamination kinetics. The PCO3 control system permanently regulates working parameters, in particular providing accurate temperature control.

Appreciated for its assembling quality and performance level, CLINICAIR® 1b complies with high-level requirements for a setup within the operating theatre and, therefore, represents an ideal solution to fight against airborne infections.

WORKING PRINCIPLE

Version with plenum



Version with Laminar Flow Ceiling

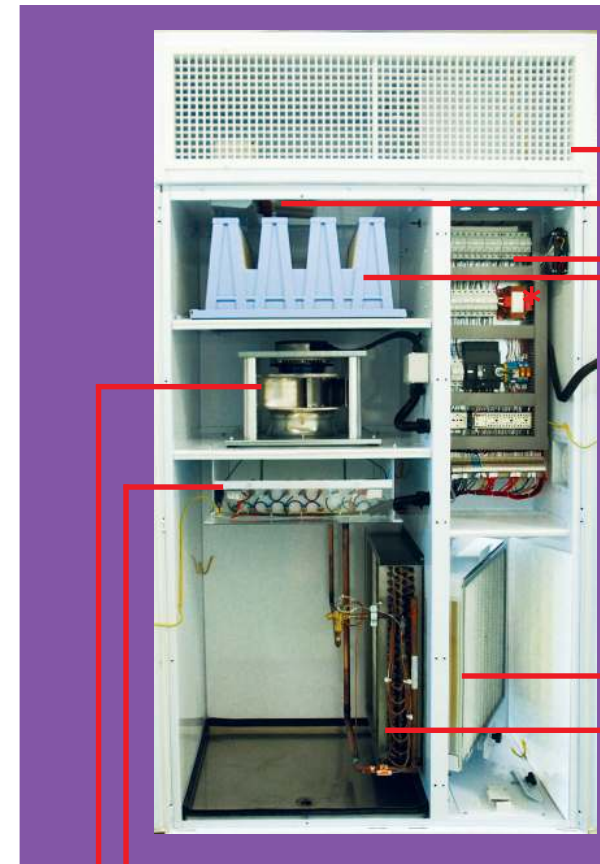


ADVANTAGES

- Air flow: 1500 to 2500m³/h
- Air supply plenum
- Filtration : G4 + F7 at air intake - H14 at air supply.
- Bioxigen® decontamination system having bactericidal, fungicidal, virucidal effect on living particles
- Regulation system providing constant air flow.
- High performance microprocessor
- Remarkable sound insulation

- Reduced dimensions : 1200mm x 700mm x 1950mm (2400mm with plenum) /500 kg
- Can be completely integrated into the wall (fresh air supply possible at the top, at the side or at the back)
- Single inlet motorised impeller module with low power consumption (EEF1)
- Front access for maintenance

DETAILED DESCRIPTION



AIR SUPPLY PLENUM

BIOXIGEN

Decontamination system having bactericidal, fungicidal, virucidal effect on living particles

SWITCH CABINET AND CONTROLS

- Power supply 400V N+T 50Hz.
- Switch cabinet contains:
 - Switches and thermal cut-offs.
 - Regulation with microprocessor
 - LCD display on control panel

AIR SUPPLY FILTRATION

HEPA H14 filtration - low pressure drop filter made of polypropylene

AIR INTAKE FILTRATION

- Integrated pre-filtration
- 2 steps of G4 + F7 type - low pressure drop polypropylene filter
- Filters placed before cooling and heating coils

COOLING COIL (11 KW)

- Copper tubes and aluminium fins with 2.5 mm minimum spacing
- Multiple venturi circuits
- Condensate tray made of 316L stainless steel
- Condensate drain pipe (Ø 1”) to the outer casing (front, side or back)

* CONTROL

- Filter clogging controlled by air pressure switches
- Integrated probes
- PCO3 control system with “energy economy” mode

FRAME AND CASING

- Tight self-supporting metallic structure
- White painted (RAL 9010) interior
- White painted (RAL 9010) double skin panels made of 15/10 stainless steel with high density (40 kg/m³) glass wool providing heat and noise insulation
- RAL 9010 cover panels on 4 sides
- Fresh air connection Ø200mm at the top, side or back
- Adjustable feet

HEATING (9 KW)

3-step electric heater

FANS

- Speed regulator maintaining constant air flow in line with filter clogging degree.

OPTIONS

- Remote assistance
- Fresh air fan
- Laminar flow ceiling