

AIR PURIFICATION & ISOLATION UNITS



MedicCleanAir®
A BELGIAN - SWISS COOPERATION

MedicCleanAir®

The new generation MCA® air-cleaner units for maximum air quality.

The new generation units of MCA® meet the highest requirements for protection of patients, visitors and hospital staff in relation to the risk of infections spread through airborne contamination. Especially since the latest developments of flu and tuberculosis MCA® has invested even more in security for air purification and isolation units. As from now, perfect air quality together with the desired pressure difference inside medium- and high care wards, is not a difficult aim anymore.

The MCA® devices are easily installed and functions are selected via a state-of-the-art remote controls. Personnel are provided with optimum support by visual and acoustic signals.

The MCA® units are designed for round-the-clock operation. The efficiency of the MCA® devices has been confirmed by several scientific, medical and clinical studies of which some were published by esteemed, world-wide medical organisations.

Features of MCA® air purification units:

- mobile for rapid use with immediate results (within 20' max)
- quick and easy-to-install (maximum ½ day work)
- choice of high particulate air filters depending on requirements (HEPA12 to ULPA15)
- filters are always leaktested

- remote controls by key switch secures against undesirable external use (security)
- choice of fan speeds
- automatic regulation of desired pressure difference
- screen-display with operating data recognition
- filter monitoring with alarm function (hygiene security)
- differential pressure monitoring with alarm function
- easily changeable parameters via function keys
- backed up by medical and clinical studies
- improves infection control

References

MedicCleanAir®
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Centre Hospitalier Universitaire St. Pieter – Brussel, Belgium since 2000

Algemeen Ziekenhuis St. Lucas – Brugge, Belgium since 2002

Centre Hospitalier Universitaire BRUGMANN since 2008

Algemeen Ziekenhuis Maria Middelaers – Sint Niklaas, Belgium since 2000

Azienda Espedaliera S. Croce e Carle – Cuneo, Italia since 2000

Savigliano Hospital – Cuneo, Italia since 2006

Ziekenhuis Netwerk Antwerpen – Stuivenberg – Antwerpen, Belgium since 2000

Universitair Ziekenhuis – Gent, Belgium since 2001

SNCB Centre Médical – Mons, Belgium since 2000

Centre de Santé des Fagnes – Chimay, Belgium since 2000

Centre Hospitalier Universitaire Sart Tilman – Liège, Belgium since 2005

Universitair Ziekenhuis – Antwerpen, Belgium in 2000

VRGT – National Institute for Tuberculosis – Brussels, Belgium since 2005

FARES – Belta Bnet – Brussels, Belgium since 2008

Muhimbili National Hospital – Dar es Salaam, Tanzania since 2005

Dubai Police Clinics – Dubai, United Arab Emirates since 2006

Rashid (Maternity) Hospital – Kuwait – Kuwait since 2004

Al Salam Hospital – Kuwait – Kuwait since 2008

Rustom Khatib Fertility Hospital – Beirut – Lebanon since 2007

Ealing Hospital NHS Trust – U.K. since 2007

University Hospital of North Staffordshire – UK since 2008

GATA – Ankara – Turkey since 2008

Uniklinikum Bonn, Kinderkrankenhaus – Bonn, Germany since 2005

Universitätsklinikum Magdeburg – Magdeburg, Germany since 2005

Klinikum Kassel – Kassel, Germany since 2006

Universitätsklinikum – Hamburg Eppendorf, Germany since 2006

Krankenhaus St. Josef-Stift – Celle, Germany since 2007

King Fahed Medical City – Riyadh – Kingdom of Saudi Arabia since 2008

Bah Mai Hospital – Hanoi – Vietnam since 2006

Al-Amal Hospital – Kuwait depuis 2008

MOH – Kuwait 2009

Clinique Sainte Elisabeth – Namur, Belgique 2009

Imam Khomeini Hospital – Boroujerd, Iran 2009

Medical/clinical studies presented and published by:

The Hospital Infection Society 2000

The European Bone Marrow Transplant 2002

International Congress of the German Institute for Hospital Hygiene 2006 (DGKH)

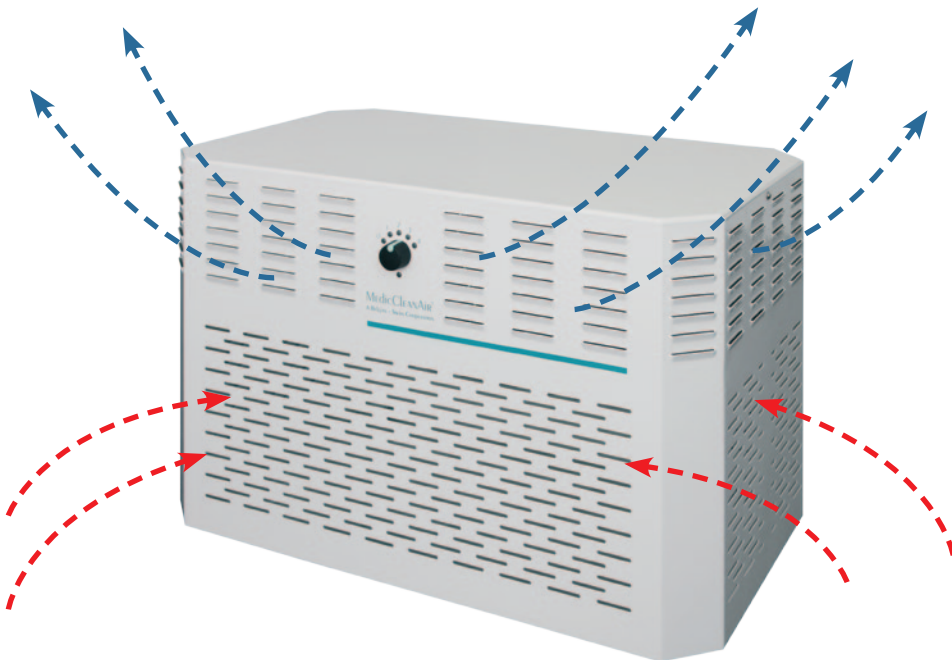
Magazine of the National Institute for Tuberculosis Belgium 2005

Scientific and medical studies carried out in: Belgium, Germany, Italy, Scandinavia, India, France, UAE, etc.

MedicCleanAir®

Fast & efficient air cleaning for hospital facilities

Mobile air purification unit – PRO

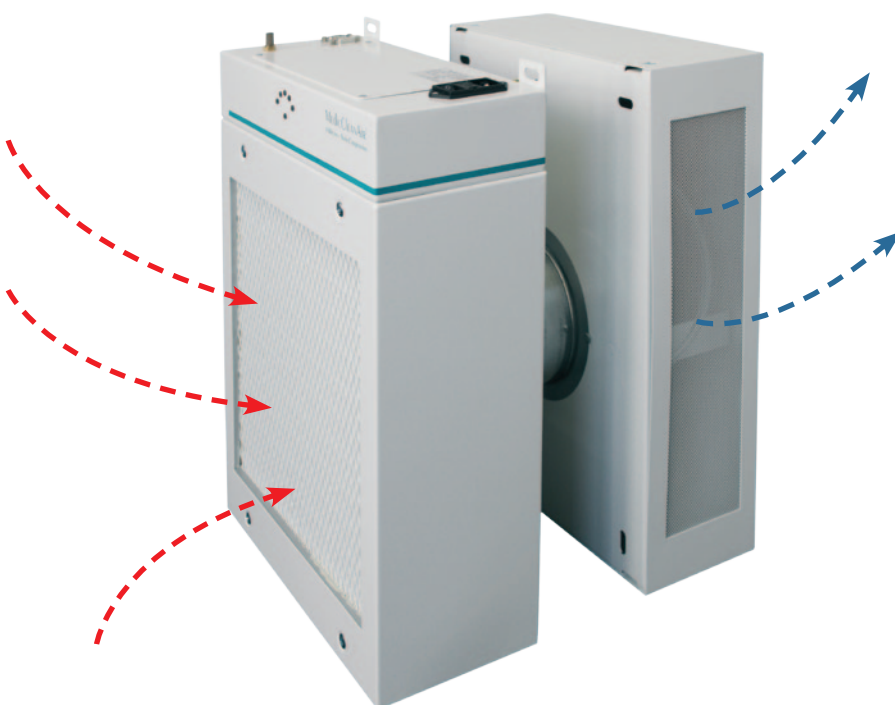


Room air purification unit

Contaminated air is **sucked** in via the unit inlet vents, **cleaned** by the highly efficient particulate air filter and the purified air is returned to the room via the outlet vents.

MCA® air purification unit PRO 100 / 110

Creation of pressure difference with the ISO units



Positive or negative room pressure units

Clean air supplied to the room creates **positive pressure** (for immunocompromised patients). Air extracted from the room creates **negative pressure** (for infectious patients). Pressure differences up to 20 Pascal can easily be generated. Leaktested filters, airtight devices, one-way airflow and fire-damper tools protect patients, visitors and hospital staff at all times.



MCA® isolation unit ISO 200 / 210

Mobile
Air purification unit

The air purification concept for maximum air quality

PRO



Used in hospitals, clinics and
medical facilities

Air purification unit for cleaning room air

The Pro air purification unit cleans the air inside the room. The Pro unit is used for the protection of vulnerable (immune-compromised) patients, protection against infectious patients, the elimination of aspergillus during renovation works, and for the upgrading of air quality in operating theatres, ICUs, isolation rooms.

The Pro unit gives immediate results (within 20 minutes max) and once deployed maintains integrity of the air quality at all times.



100 % efficiency against Tuberculosis

100 % efficiency against Influenza Viruses

100 % efficiency against Aspergillosis

100 % efficiency against Sars

100 % efficiency against Varicella / Pox

- › 360° uniform air extraction and air supply
- › Is able to achieve ISO 5 or ISO 6 level

MedicCleanAir®

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