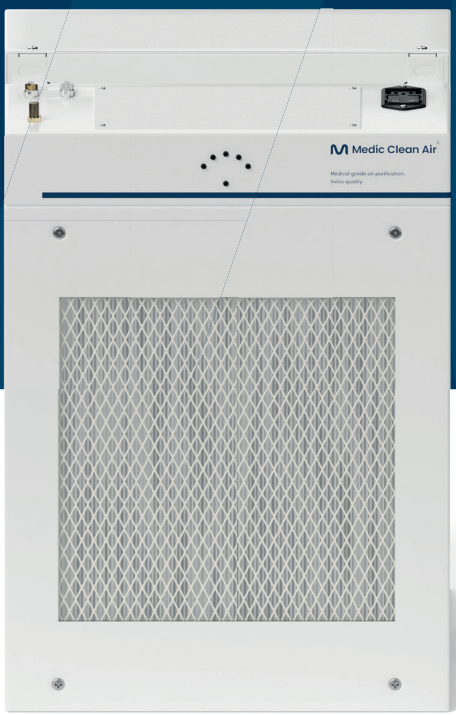
Medic Clean Air

ISO series

Designed to create isolation rooms in positive or negative pressure in order to protect your patients, staff, and visitors



www.mediccleanair.com

A Belgian-Swiss cooperation

About the ISO

An isolation facility aims to isolate infectious patients (negative pressure) or to protect immune-compromised patients (positive pressure). By creating a **pressure difference between the room and adjacent areas**, airflow goes either towards the room (negative pressure) or towards adjacent areas (positive pressure). This pressure difference and corresponding airflow **ensures elimination of (cross-) infections by airborne contamination**.

The units house **state-of-the-art technology** which achieves **pressure difference** and **intended airflow within 30 seconds** of deployment, and boasts an impressive installation time of just half a day, without making major infrastructural changes.

With its **high-performance ULPA15 filter**, the ISO devices guarantee hygiene of the utmost standard. Additionally, other numerous features such as intuitive controls and automatic alarm functions by means of wall-mounted remote control are included to allow easy control.

The ISO is perfectly suited for settings where pressure difference between a room and adjacent areas is required.

Differential pressure regulation, combined with advanced filter technology

Our ISO devices are **capable of setting positive or negative room pressure easily up to 20 Pascals** inside a closed and sealed space, depending on varying medical needs. This combined with its high-performance ULPA15 main filter guarantees the utmost hygiene in any medical environment.

Easy Setup with Quick Results

Our ISO devices can be mounted in false ceilings or directly to a wall or ceiling in **as little as half a day**, allowing little to no room for operations to be interrupted.

They have **immediate results once deployed**, as they can change positive or negative room pressures within 30 seconds following deployment.

High safety and quality

The ISO devices have **unparalleled security** and **quality assurance**. Their airtight connection prevents contaminants from passing from one room to another. The filter grade stops any contagious agent.

Pressure difference monitoring and Intelligent control

Our ISO devices can be used with a **control remote key** which protects against external unauthorized use and **ensures the correct and desired pressure difference and airflow**. Besides the ability to configure and monitor the pressure difference, these devices are equipped with a sensor and timer that **monitor the filter performance 24/7**. The easy-to-program controls help you cut energy costs and extend filter life.

What does the device remove from the air?

MedicCleanAir's high-quality air purification system ISO removes

99.9995%

of airborne viruses

(i.e. including Coronavirus, Influenza, Sars), bacteria (i.e. Tuberculosis), fungus (i.e. Aspergillosis), allergens, pollen, mold spores, mildew, and other pollutants in small to large spaces.

Viruses
0,002-0,05 µm

Fungus
0,5-5 µm

Smoke
0,01-4 µm

Mold Spores
4-25 µm

Atmospheric dust
0,01-5 µm

Pollen
10-100 µm

Bacteria
0,2-2,5 µm

Other pollutants

This minimum efficiency applies for particle size range 0.1-0.2 µm (Most Penetrating Particle size) based on EN1822. For particles bigger or smaller than the range 0.1-0.2 µm the efficiencies of Medic Clean Air devices are tested and even better (up to 100%).

Innovative technology

Filtration Efficiency

Our ISO devices are equipped with an innovative ULPA15 main filter (EN1822) and an additional ISO ePM1 50% pre-filter (ISO16890) for protection. The fine dust pre-filter extends the life and durability of the main filter.

Sustainable housing with anti-bacterial coating

The ISO casing features a robust but lightweight aluminium material, which makes the devices durable, lasting at least 20 years. They are also equipped with an anti-bacterial epoxy coating. As a result, our appliances fulfill the most stringent standards for protecting patients, visitors, and hospital staff from infection transmission through airborne contamination.

Airtight

The devices are completely sealed, to eliminate leakage and ensure that all the air is passed through the system in order to have all air filtered. This leaves no room for error and effectively regulates the pressure difference as needed.

Intelligent control and security monitoring

The ISO comes with an RC 100 remote control and 4 operational levels to choose from. The optional extended version of the remote control (RC200) also provides a permanent pressure difference display and alarms for pressure changes. Additionally, the ISO also provides a sensor and a timer, measuring filter hygiene and performance round the clock.

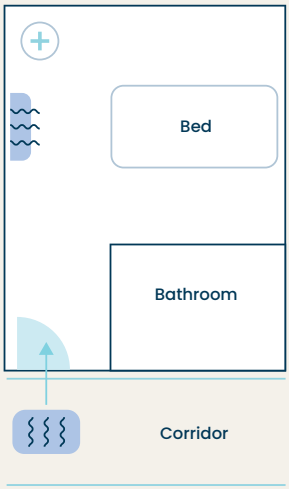
Where to use?

The **ISO devices** are **differential pressure units** that can alter the pressure inside a closed and sealed space depending on medical needs. The devices operate by achieving negative pressure when the ISO unit is placed inside the isolation room, and the air is pumped outside the room. Positive pressure is obtained when the ISO unit is placed outside the room and the air is pumped inside the room.

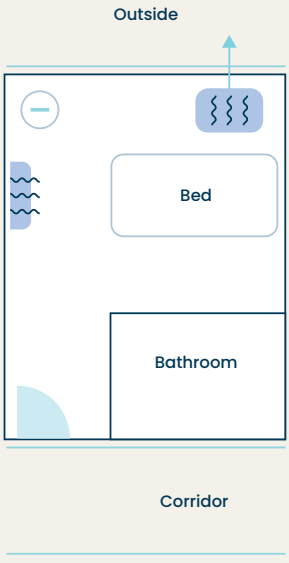
Listed below are the types of environments the device can be employed to achieve maximum efficiency:

- **Positive pressure** for immune-compromised patients in environments such as Oncology, Hematology, Transplant and burn units
- **Negative pressure** for infectious patients in environments like Varicella, Flu, Tuberculosis, SARS.
- Operating theaters, intensive care units and laboratories.

ISO 120 BACK



Immune compromised patients
Transplant services



Infectious patients
Tuberculosis

Compare our models

ISO 120

Installation

- 1 day installation time max.
- Can be installed on a false ceiling or directly to wall or ceiling
- For isolation rooms up to 12m²
- Dimensions: 35 x 35 x 25 cm

Performance

- Pressure results within 30 seconds
- Contributes to ISO6/ ISO7 cleanroom classification
- Clean air capacity: 135 m³/h
- Noise level: between 20 ≤ 55 dB

Filtration & hardware

- ULPA15 main filter
- ISO ePM10 50% pre-filter (old norm M5, EN779)
- Certified leak-tested filters (EN1822)
- Integrated pressure difference system
- Standard RC100 remote control
- RC200 remote control with additional pressure difference monitor **OPTIONAL**
- Hygiene and performance control on filter status by sensor and timer

ISO 210

Installation

- 1 day installation time max.
- Wall-mounted
- For isolation rooms of up to 12m³
- Dimensions: 32 x 43 x 14 cm + 32 x 43 x 14 cm

Performance

- Pressure results within 30 seconds
- Contributes to ISO6/ISO7 cleanroom classification
- Clean air capacity: 135m³/h
- Noise level: between 20 ≤ 55 dB

Filtration & hardware

- ULPA15 main filter
- ISO ePM10 50% pre-filter (old norm M5, EN779)
- Certified leak-tested filters (EN1822)
- Integrated pressure difference system
- Standard RC100 remote control
- RC200 remote control with additional pressure difference monitor **OPTIONAL**
- Hygiene and performance control on filter status by sensor and timer

ISO 520

Installation

- 1 day installation time max.
- Installed between floor/wall
- For isolation rooms of up to 30m²
- Dimensions: 54 x 54 x 27 cm

Performance

- Pressure results within 30 seconds
- Contributes to ISO6/ISO7 cleanroom classification
- Clean air capacity: 1000m³/h
- Noise level: between 20 ≤ 55 dB

Filtration & hardware

- ULPA15 main filter
- ISO ePM10 50% pre-filter (old norm M5, EN779)
- Certified leak-tested filters (EN1822)
- Integrated pressure difference system
- Standard RC100 remote control
- RC200 remote control with additional pressure difference monitor **OPTIONAL**
- Hygiene and performance control on filter status by sensor and timer

ISO 500 SIDE

About Medic Clean Air

MedicCleanAir specializes in air purification for hospitals, laboratories, plastic surgery clinics, dental offices, and other medical environments. For over 25 years, we have been striving to provide the best quality air purifiers satisfying the needs of hundreds of our international customers.

Trusted by hospitals, laboratories, plastic surgery clinics, dental clinics and any other health facility in more than 20 countries.

Ready for a safe time together in clean environments?

Contact us today and learn how our ISO units create negative & positive pressure environments for better patient isolation outcomes and safer spaces in a variety of health care settings.

Medic Clean Air

Bredestraat 13
2000 Antwerp
Belgium

www.mediccleanair.com
Phone: +32 3 283 04 00
info@mediccleanair.com