



Cost-Effective Pressure Control for Isolators

The ECO Ventilation Unit is designed to maintain a defined **negative pressure inside the isolator**. Optionally, the system can also be operated under positive pressure. A fan draws air from the isolator through the exhaust air filter and recirculates it back into the isolator through the supply air filters. This optimized air recirculation helps **reduce energy consumption** and supports **efficient operation**. The ECO version provides a **cost-effective and functional solution** for applications requiring **reliable negative pressure control** with reduced technical complexity.

Benefits

- Controlled airflow within the flexible isolator
- Stable negative or positive pressure operation
- Compact, mobile design
- Low noise level
- Intuitive operation via touch display
- GMP-compliant design
- Robust stainless steel housing

Options

Monitoring

- Differential pressure monitoring
- Alarm functions

Compliance & Safety

- IQ/OQ documentation

Safety features

- Continuous pressure monitoring
- Visual and audible alarms
- Emergency stop function
- Leak detection



Mobile ventilation technology

Technical Data

Feature	Specification
Housing	Stainless steel
Pressure regulation	Negative pressure
Inertisation	No
PLC hardware	Siemens Logo
Power supply	230 V AC, 50/60 Hz

Planning a new containment project?

Our experts are happy to advise you. Contact us at anfrage@lugaia.ch or call +41 27 948 45 55.