

Fan Unit for operation in positive or negative pressure

Item No.: FAN-230-P/N

Radial Ventilator: G2E140AE7701

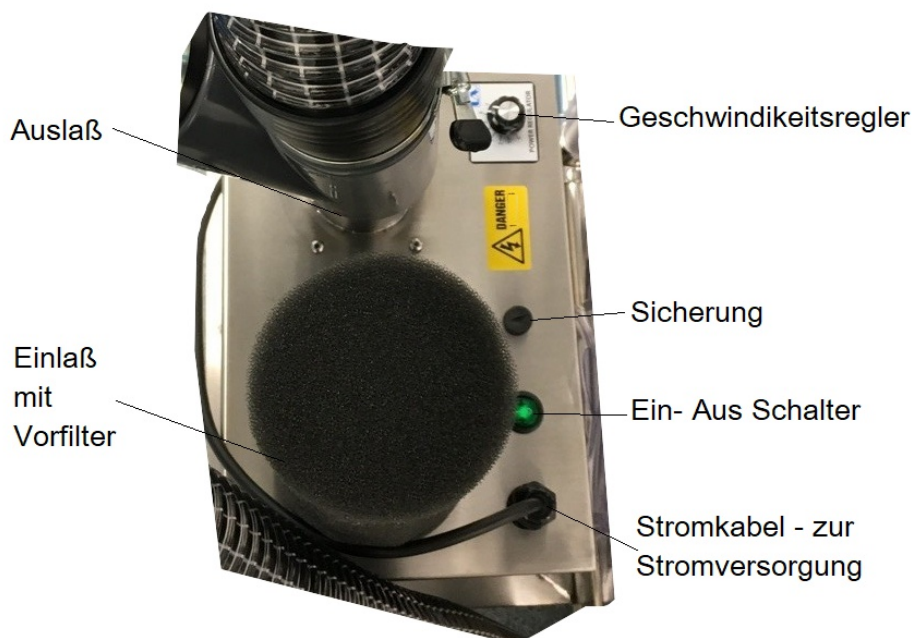
Descripton:

Independently operable fan unit in stainless steel case with speed control.

Operating voltage 230V

Operation manual:

- Attach the hose connection with the hoses supplied to the relevant connection for overpressure or underpressure
- Fix the hoses using hose clamps
- Fit the pre-filter on the second nozzle
- connect power cable to power supply (socket)
- switch on main switch (lights up green)
- Set the power of the fan by means of the speed controller to achieve the desired flow rate / pressure in the isolator



Operation in overpressure:

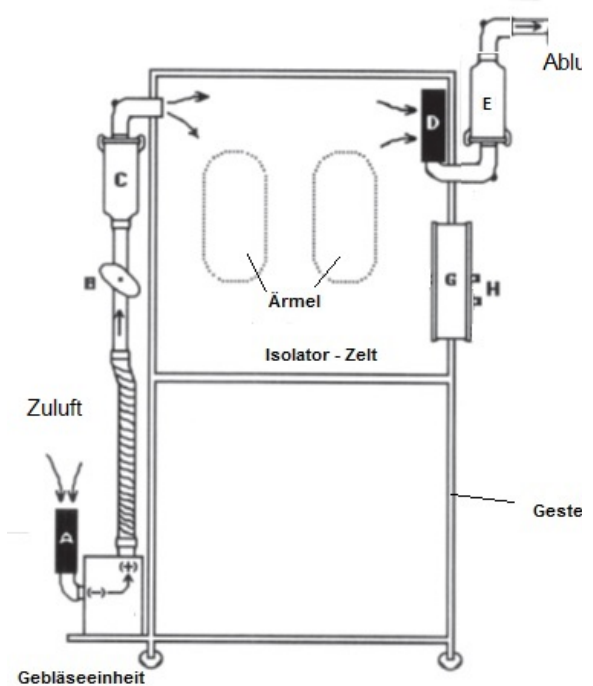
Hose connection between outlet nozzle of the blower and filter of the air supply.

Air is drawn in through the inlet port of the blower unit and blown through the outlet port and hose connections directly into the isolator.

Depending on the amount of air, the isolator is thus placed in an overpressure status which can be read directly via the pressure gauge.

The air of the exhaust of the isolator is blown via a HEPA filter into the room or directly into the room exhaust.

The pressure can be regulated by the speed regulator on the blower unit and by a valve directly in front of the supply air filter of the isolator.



Operation in negative pressure:

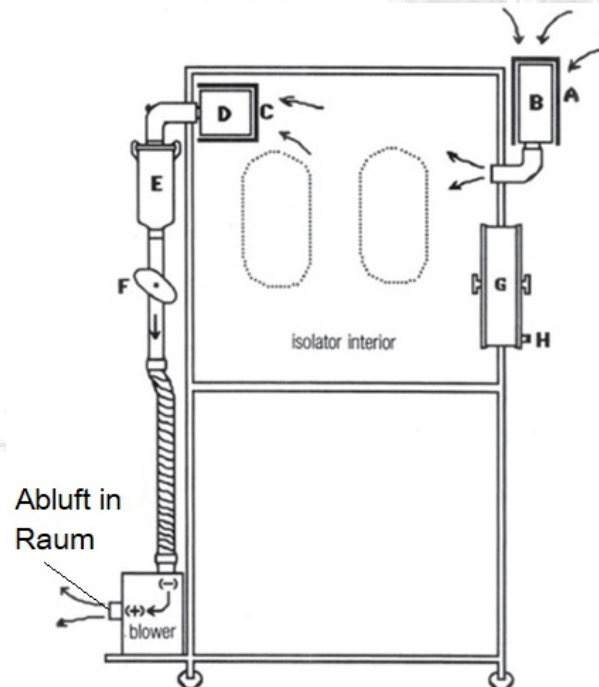
Hose connection between inlet port (intake) Blower unit and exhaust air filter isolator (E).

Air is drawn in through the inlet nozzle of the blower unit and hose connections, directly from the Isolator and blown through the outlet nozzle into the room air. Alternatively this can be connected to the room exhaust also.

The Isolator is thus placed in a negative pressure status which can be read directly via the pressure gauge on the isolator.

The filter on the opposite side (B) serves now as supply air.

The pressure can be regulated by the speed regulator on the blower unit and by a valve connecting the blower to the filter on the isolator.



Warnings / limitations of use

- Caution - electrical device
- The device may only be operated indoors under room-typical conditions and should not be exposed to excessive humidity, see nominal data
- No operation in wet rooms
- Do not make structural changes to the device
- If the housing or cables are damaged, disconnect the device from the power supply and discontinue use
- pumping air with high particle content or chemical fumes will affect the service life
- Operating instructions of the blower unit (in the appendix) must be observed.

Maintenance:

- The device should be kept clean and dry
- Regularly clean / replace pre-filter to avoid dust deposits
- Avoid imbalance and resonance - only operate the product on a firm surface

Technical data:

Volts: 230V

Amps: 0.46

Watt: 105

Frequenz: 50/60Hz