

# Soundbox with blower AB 1000

## Technology / Employment

- Sound insulated box, ready for installation with oscillation-absorbed inserted side channel blower type AERIAL HB 429
- The AB 1000 can be used for the conveyance of air and not explosive gases and gas air mixtures as pressure or vacuum pump. The inserted high pressure blower works air-cooled, i.e. 100% oil-free
- The aluminum impeller rotates in a case of diecasting with side channel. Air is sucked in and brought by the impeller and the side channel in a screw-shaped course by repeated acceleration on high pressure and shoved out with the outlet air.



## Application & functioning

### Area of use

Insulating layer drying process, cavity drying process

### Suitable for

Drying areas with approx. 40 - 50 s qm \*

## Dimensions & installation

### Installation / mobility

On the floor. Stability by four rubber bumpers (abrasion-resistant and not coloring)

Two handles (lateral) for simply carrying. The devices are stackable.

### Initiation

Put plug into the socket.

**Pressure mode:** Suck free room air (coarse filter is serially installed) or connect desiccant dryer (for deep dew points) at suction-side. Install hoses and connecting pieces between pressure side and core holes in the floor / wall.

**Suction mode:** Install water separator (fitting) at suction side. Install hoses and connecting pieces between water separator and core holes in the floor / wall. Install hose at pressure side and guide out of the room. Create relief ports in accordance with the values at the ammeter.

### Air inlet / air outlet

Each one pipe connector with external screw thread 1 1/2" (= 50 mm outer diameter), coarse filter at suction side

### Maintenance

Clean coarse filter. Outside and inside cleaning

### Dimensions

Height / width / depth:

470 mm / 470 mm / 480 mm

### Weight

40 kg

## Technical data

### Casing

Durably made of high-grade steel, control panel made of steel sheet flux coated. To dismantle simply. Cable keeping. Protection class: IP 23

### Built in high-pressure-blower

AERIAL HB 429

### Air flow

210 cbm/h free-blowing

### Max. difference pressure

Vacuum: 180 mbar / pressure: 190 mbar

### Motor power / motor protection

1.100 watts, thermal line circuit breaker. Thermo feeler in the engine coil

### Voltage

230 V / 50 Hz

### Noise level

< 50 dB(A) - measured in 3 mtrs. distance. Noise stop system by special sound damming technology

### Conneting cable

approx. 4,5 mtrs. with plug; cable keeping

### Control elements

Operation panel (let in the case) with On/Off-switch; Ammeter; kWh-counter; device socket (max. 10 A); fuse for device socket.

## Optionally available accessories

Desiccant dryer ASE, water separator VDT, HEPA-filter, connectors, hoses, reducer

# AERIAL®