

The air purifiers



Part No. 20170070

EcoCube basic version 7,5kW

The ECO-System is a top range extraction and filter unit.

The filter unit is manufactured according to EN 15012-1. This ensures that the end user is protected against hazardous substances and it reduces the operating costs compared to extract air operation.

The air intake is carried out via a lateral intake port with a pipe nozzle DN 400. The unit is equipped with a spark labyrinth which is integrated in the canal.

The dust collection is carried out by means of 4 self-cleaning cartridge filters of the category BIA M. The filter surface, the geometry as well as the use of the power jet cleaning provide for an optimal cleaning, a long service life and energy savings thanks to the low compressed air consumption. The filters comply with fire classification K1 - B1.

Replacing a filter is quick and easy due to the maintenance doors.

When planning the unit we also focussed on easy access of important system areas and thus we made the unit more user-friendly.

The actual cleaning of the dust is carried out via a jet of high-pressure air from a storage tank which removes the dust from the surface. The control is carried out fully automatic via a SPS control. All relevant system parameters can be read, shown or, if necessary, adjusted. The use of a touch screen display is optionally possible.

The separated dust is temporarily stored in a dust container.

After filtration the clean air is directed by the fan on top of the unit, designed in open construction, and led into the working space by means of an in-line silencer. A compact design allows for a simple and fast set-up of this unit system. The transport by means of a crane is possible thanks to the mandatory lifting rings.

TECHNICAL DATES:

Medium to be filtered: dry, degreased/oil-free dust/fume

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Filter surface:	100 m ² (4 cartridges à 25 m ²)
Filter cartridge:	BIA M
Separation efficiency:	99% (according to the BGIA test certificate)
Filter control:	automatic filter cleaning, SPS
Fan performance:	7000 m ³ /h
Engine power:	7.5 kW
Supply voltage:	400V/50 Hz or 480V 60Hz.
Current consumption:	14,5 A
Current type:	3Ph+N+PE
Fan mounting:	on top of the unit, incl. elbow duct silencer, right side
Noise level:	75 dB(A) + max. 10 dB(A) during the cleaning pulse
Intake nozzle:	DN 400 mm via the intake port, left side
Air outlet:	via the elbow silencer
Dimensions (w x d):	about 800 x 800 mm
Colour of the unit:	- fan housing and duct collection section: bright grey - cartridge housing: blue (RAL 5003)

Special equipment:

- step stool included in delivery
- hooks and toggle levers are supplied not mounted
- compressed air supply outlet and condensate outlet are both mounted with a bulkhead connection
- compressed air supply outlet with a hose nipple d=8mm
- unit is equipped with earthing studs
- cables in UL-version
- EATON frequency inverter, left in the attached switch cabinet