

ILK-5000



Industrial air cleaner

MAGYAR FEJLESZTÉS
100% MINŐSÉG

The ILK-5000 EVO I enables local air cleaning in large halls for production, and waste processing sectors. It's easy-to-move design allows using flexible workflows.

The type of filters in the unit is mainly suitable for the capture of particulates and gases generated during welding, grinding, wire cutting, but it can of course also capture airborne contaminants from other types of operations, provided that the right filters are selected.

The unit is primarily designed for operations 2-3 metres above ground level, but the intake design can be varied to suit the customer's requirements.

The unit cleans and filters the air in 4 stages (G4 cassette filter, F7 filter cartridge, HEPA filter cartridge, activated carbon filter). The unit monitors the clogging of the filters and increases the fan capacity in case of low clogging and indicates which filter needs to be replaced in case of high clogging.

The unit rotates and cleans 5000 m³ /h, and its control system allows it to maintain this value at a stable level. Thanks to the powerful fan, the output can be connected to an air duct if required.

Controls: In the future, a colour touchscreen control is also available, with the option of monitoring the operating hours, filter saturation, programmable on/off times, central control, continuous indication of air pollution levels both in the intake and exhaust air, and only switching on when the air quality reaches a set value.

Mobility: It can also be rolled independently and locked at the wheels, and can be forklifted over long distances thanks to its reinforced base.

▶ **QUALITY WITH MORE THAN 30 YEARS OF EXPERIENCE**

▶ **FIRST CLASS FAN MADE IN EUROPE**

▶ **EASY TO SERVICE / CLEAN**

▶ **REPLACEABLE FILTERS**

▶ **EASY TO MOVE**

The basic function of the unit is to clean the air in the hall. It is suitable for cleaning the air of non-fixed welding sites, up to 3 meters above the welding site. The unit is equipped with noise insulation. It is equipped with several types of electrical protection to ensure safe operation.

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Data sheet

Type	ILK-5000 EVO I
Size (H x W x D)	3 x 1.2 x 1.2 m
Input power	4,5 kW
Current input	Start: 7.2 A / operation: 4.2 A
Supply voltage	400V / 3 phase / 50Hz
Max. filtration capacity	5000 m ³ /h
Weight (net)	400 kg
Colour	Anthracite grey
Replaceable filter types	2 pcs. HEPA filter
	2 pcs. activated carbon filter
	2 pcs. F7 filter
	4 pcs. G4 filter
Fan	Centrifugal fan with heat protection
Operating conditions	0 – 50° C, Max. relative humidity ≤ 95% rH
Electric connection	5 m cable, adjustable phase / 5-pin plug (EU)
Type of programmable clock	Programmable digital clock with NFC
Optional accessories	UV light
	EC motor
	Digital controller
	Individual colour

Technical elements

1	blowing unit
2	4 pcs. G4 filter
3	centrifugal fan with heat protection
4	2 pcs. HEPA filter
5	2 pcs. activated carbon filter
6	2 pcs. F7 filter
7	forklift lifting support frame
8	lockable wheels with rubber tread
9	control unit
10	electric wire
11	Earth grounding
12	EPH connection point

