



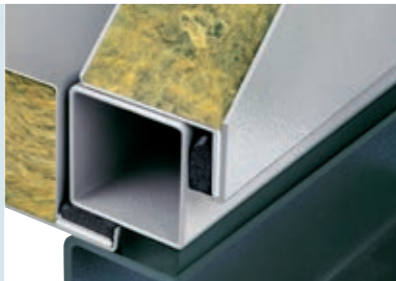
**The advantages for you:**

- | Flexibility due to panel construction
- | Quick and easy set-up
- | Lowest noise emission values
- | Highest thermal insulation
- | Regular filter cleaning by AL-KO OPTI JET process
- | Wide range of disposal options
- | Simple maintenance via operating doors
- | Consistent quality
- | Free choice of control options
- | Tested and certified
- | Can be expanded at any time, even after several years of operation



**ADVANTAGES OF THE PANEL CONSTRUCTION**

- | Thermal protection: low cooling of the return air; more heat recovery into the work room
- | Fire protection: flame-retardant intermediate layer (EW 90-certified)
- | Noise protection: acoustically insulating mineral fibres; wall thickness 48 mm
- | Explosion protection (shock resistance 200 mbar)



**THE AL-KO GROUP – YOUR STRONG PARTNER!**

In Europe alone, two million customers annually decide to purchase quality products from AL-KO. With 4,200 employees at 50 sites in Europe, the USA, Africa, Asia and Australia, our products are not only attractive and exciting for customers in Europe, they now attract customers from all over the world. Proof that products made in Europe have a future – if they are consistently based on innovation and superior quality.

Look to the future with us, and as our customer and partner profit from the performance, the quality and the security offered by the AL-KO brand in its business segments: AL-KO Vehicle Technology, AL-KO Garden + Hobby, AL-KO Air Technology.



**STATIONARY SYSTEM FILTER EQUIPMENT  
AL-KO PROFI JET**



Provided by your AL-KO partner:

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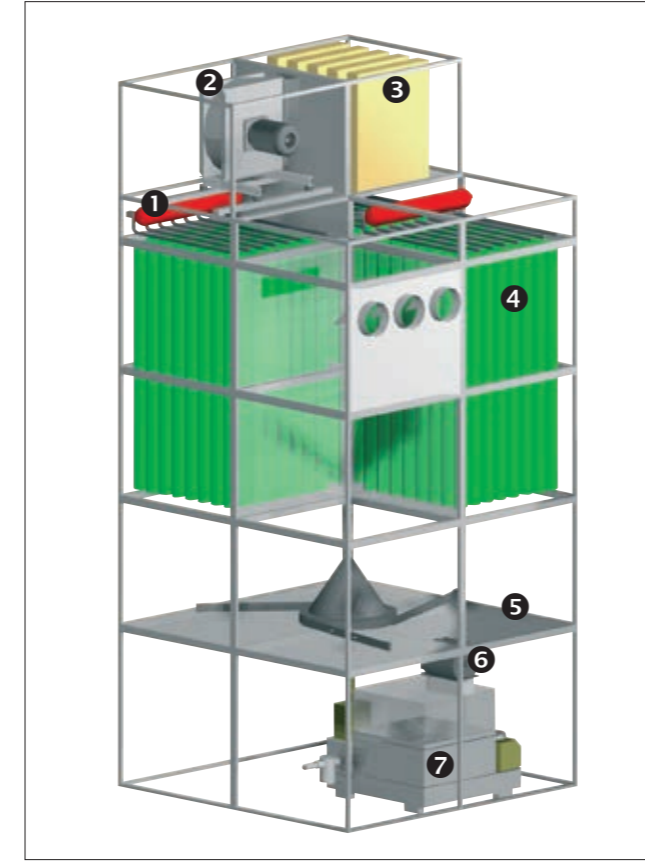
# JUST THE WAY YOU NEED IT TO BE – PROFI JET SYSTEM FILTER EQUIPMENT

## AL-KO PROFI JET

The AL-KO PROFI JET modular system guarantees a high level of flexibility. The filter system can be adapted or expanded according to requirements using standard components. The entire structure is acoustically and thermally insulating. The prefabricated PROFI JET housings guarantee quick and easy assembly on the spot. Depending on the requirement, the modular system offers various disposal options – from waste containers to rotary lock valves and even filling silos. The PROFI JET gives you consistent quality all the time (according to DIN ISO 9001) with excellent value for the money.



- ❶ Large air surge tank with fast diaphragm valves for optimum JET filter cleaning and lowest use of compressed air
- ❷ Process fans according to ErP Directive 2009/125/EC
- ❸ Sound-insulated return air chamber (optionally with sound-absorbing panels)
- ❹ Filter bag made of antistatic polyester needle felt material (BGIA-tested for dust class M) as standard with snap ring lock for easy handling
- ❺ Round discharge made from self-supporting galvanised steel plates or welded and powder-coated
- ❻ Type-tested AL-KO rotary lock valve according to ATEX Directive 94/9/EC
- ❼ AL-KO briquette press adapted to the individual application



# AL-KO FILTER TECHNOLOGY

## THE AL-KO HIGH-PERFORMANCE FILTER SYSTEM "AL-KO OPTI JET"

The optimum combination of surface filtration and jet cleaning makes it possible to maintain a residual dust content of less than 0.1 mg/m<sup>3</sup> on a long-term basis.

Surface filtration separates swarf and dust at the surface of the filter material, meaning that the particles cannot even penetrate the filter medium in the first place. During the filtration phase, the filter material makes contact with the support cage and forms a star-shaped cross section.

In jet cleaning, the second component of the AL-KO OPTI JET process, the bag filter is returned to its original shape using a compressed air pulse, as a result of which the filter cake is blasted off the surface and the ultrafine dust is thrown out.

### The advantages for you:

- ❶ Contaminated air impacts onto the filter element from the outside
- ❷ "Real" surface filtration by special treatment of the filter surface
- ❸ Improved cleaning by injection – longer filter service life
- ❹ Latest BIA test certificates for dust class M
- ❺ Optimum air permeability
- ❻ Filter electrically conductive as standard

