KKF filter system for dust and odour

- Extremely quiet
- Low power consumption
- Favourable operating costs
- Efficient filter surfaces

KLEPP

The working air for many production processes is contaminated both by dust as well as by odour particles, e.g. cutting plastic, removal and analysis of soil samples

Dust separators are suitable if solid air pollutants, e.g. dusts and smokes, should be separated. Depending on the type and design of the filter medium, filtering separators are suitable for very many different particle sizes. Their separation efficiency is between 90 and 99.995 %.

Extraction of harmful substances at the source is a basic requirement which is also specified in the Workplaces Ordinance § 3(1), Appendix 3.6 Ventilation.

The Klepp combination filter as a dust and odour separator in one filter system is an ideal solution for continuous and optimum extraction and filtering of the harmful substances. The contaminated air is acquired directly at the point of origin using practical capture elements (e.g. suction arms from dia.75). The extracted harmful substances are transferred to the central filter unit using a pipeline system individually designed for your requirement.

The KKF-filter systems for dust and odour in detail

- Quadruple filtering:
- Standard filter cartridge: Polyester fleece for dust class M according to DIN EN 60335-2-69 Appendix AA separation efficiency 99.9%
- Prefilter mat F5 in interchangeable frame
- Suspended matter filter H13 separation efficiency 99.95% according to EN 1822
- Activated carbon filter in interchangeable case

- Filter material can be specified depending on the type of dust
- Case made of sheet steel in modular construction with maintenance door powder-coated on both sides
- Control panel contains speed regulation, operating hours counter, automatic filter monitoring
- Air intake opening with deflector as pre-separator
- Compressed air cleaning using rotor nozzle
- Fan case made of cast aluminium
- Dust collection drawer with 6 litres capacity
- Soundproofed motor section

Your benefits

- air power adjustable
- simultaneous separation of vapours, gases and dust
- cleaning the filter cartridges
- vertical filter cartridges guarantee a better cleaning
- the deflector at the air intake disperses the air flow and prevents damage to the filter cartridges
- suitable for continuous operation
- low power consumption
- utilisation of the complete filter surface
- maintenance-free motor (no carbon brushes)
- high filtering performance
- long filter service life
- individually replaceable filters
- deposit system for activated carbon cassette
- quiet operation due to double soundproofing in the motor section
- system tested according to DIN VDE 0701/0702 and BGV A 3
- documented functional and completeness check

Technical Data:

KKF 402 HP

Unimpeded air flow rate	390 m³/h
Real air flow rate	370 m³/h
Motor	240 W
Voltage	230 V
Rated speed	8200 U/min
Frequency	50 Hz
Total pressure difference	4000 Pa
Sound pressure level	55 dB(A)
Filter area	5 m²
Filter area load	78 m³/m²/h
Filtering	quadruple (as above)
Suction connection	100 mm (on the side)
Compressed air connection	via ball valve
Dimensions (W x D x H) (mm)	550 x 900 x 800

KKF 402-10 HP
as above, however with

Filter area 10 m²
Filter area load
39 m³/m²/h
Dimensions (W x D x H) (mm)
550 x 900 x 1190

KKF 602-10 HP
as above, however with

Unimpeded air flow rate
645 m³/h
Real air flow rate
460 m³/h
Sound pressure level
58 dB(A)
Filter area 10 m²
Filter area load
64.5 m³/m²/h
Dimensions (W x D x H) (mm)
550 x 900 x 1190

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