

FlowX

The Plug & Play filter tower





Advantages

- x Plug & Play in just 1 minute
- x Fully automatic operation
- x Healthy and hygienic indoor air
- x Low sound level with maximum performance
- x Compact design, flexible use
- x HEPA H14 filter for fine dust, viruses & bacteria
- x Low impulse 360° exhaust
- x Highest energy efficiency
- x Long filter service life, minimum maintenance effort
- x Sophisticated design

FlowX

The Plug & Play filter tower FlowX for hall ventilation ensures healthy indoor air in industry and trade and at the same time improves product quality – the ideal supplement if selective extraction is not sufficient or practicable.

Industrial processes such as welding, tacking, or separating produce harmful fumes that must be safely extracted to protect employees, products, and machines. If local extraction is not sufficient to comply with the legal dust limits in the workplace or if large workpieces are processed, further measures are required for ideal room ventilation.

The flexible hall extraction based on the Plug & Play principle saves time-consuming installation work. Without fixing piping, the filter tower is immediately ready for use and can be retrofitted in existing or rented halls.

Sophisticated technology and design make the FlowX an efficient air purifier for industry, trade, and commerce.

20 %

Longer filter service life

With grooved nano-coating

360°

Draft-free all-round exhaust

For optimal room air distribution

70 %

Lower heating costs

Through effective heat recovery

68 dB(A)

Lower noise level

With a capacity of 12,500 m³/h

Extraction capacity:

12,500 m³/h | 4.3 kW

20,000 m³/h | 10 kW

A new era

**Space-saving
with only 2.66 m²**

**Ready to use
in just 1 minute**

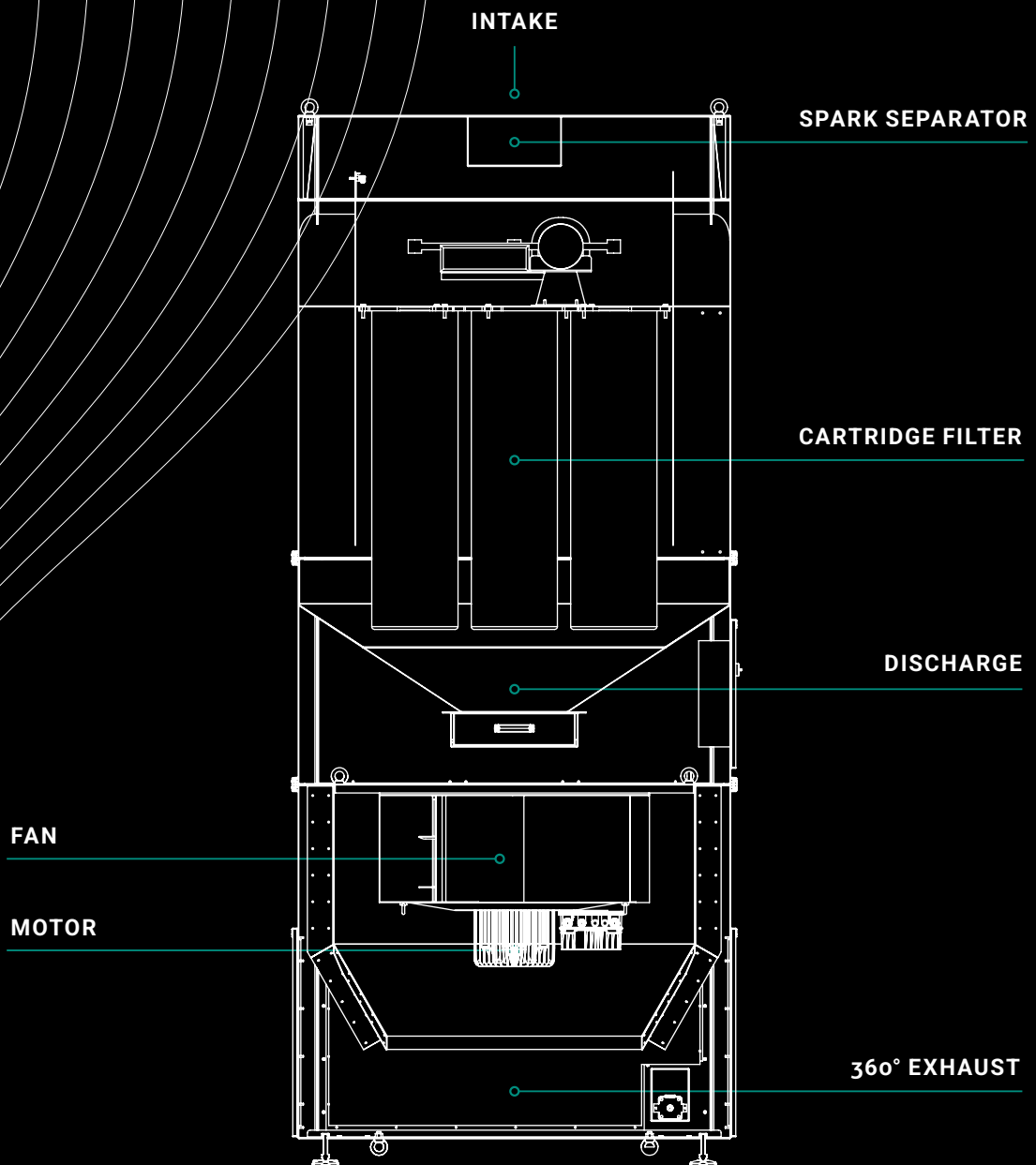
FlowX creates a safe working atmosphere for employees through a controlled air flow and at the same time protects products and machines from contamination by coarse and fine particles. With a separation efficiency of up to 99.9%, welding fumes and other fumes are efficiently removed from the ambient air.

The mobile extraction system is used in metal-working companies. One unit can filter the air in rooms up to 460 m². Several units can be used at the same time for larger halls or in the case of high welding fume generation. No pipes are required for the installation, so the filter tower can be retrofitted easily and inexpensively. Maximum flexibility and quick installation make it universally applicable.

For processes such as

**Welding
Tacking
Separating
Soldering
Flame cutting
and much more**

COMPONENTS



Filter

- Permanent filter cartridges
- Dust class M
- Aut. jet-pulse cleaning

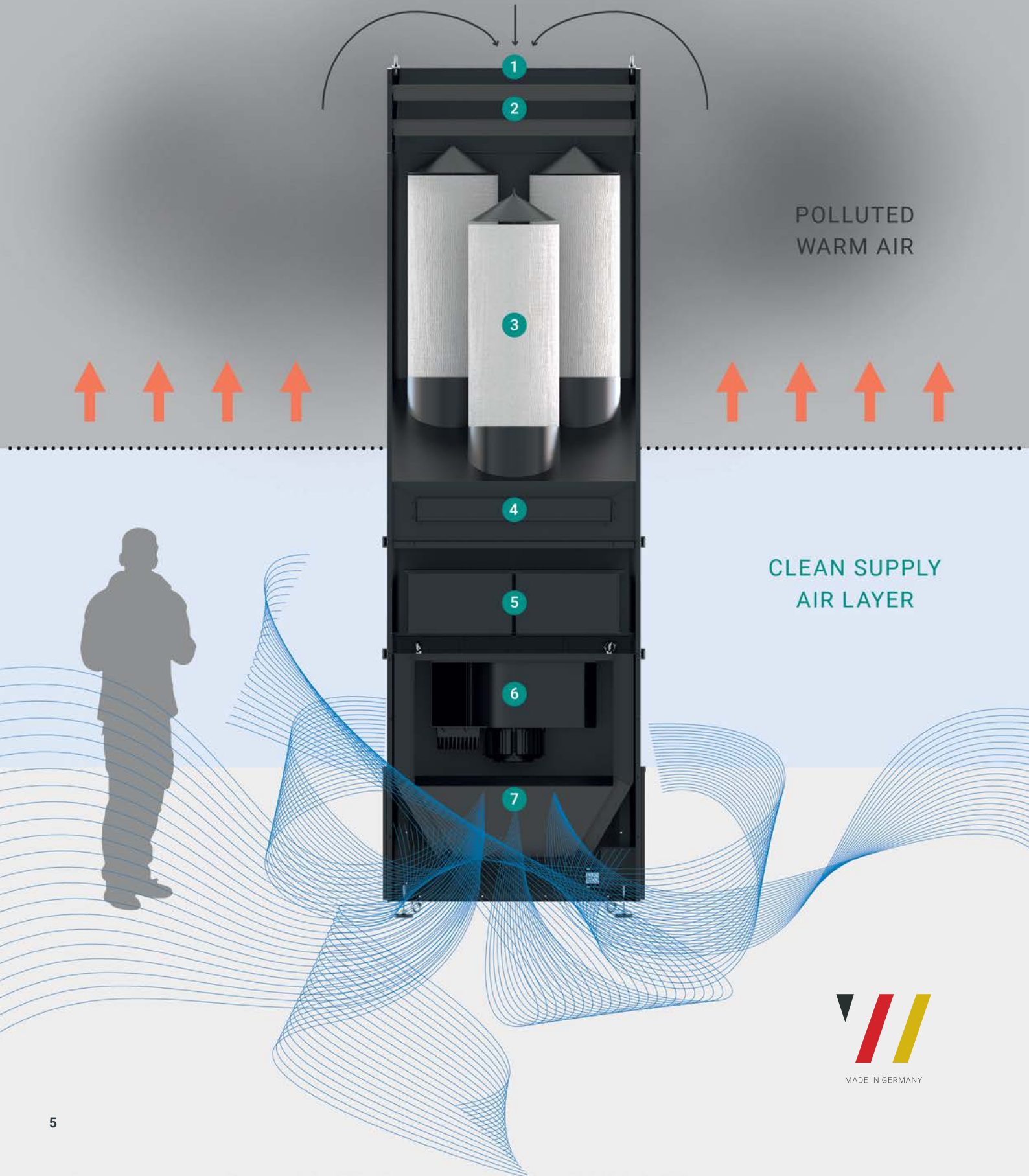
Options

- HEPA H14 filter (retrofitable)
- Mobile design
- Fire protection version
- Individual color & branding

Set-up

- Electricity and compressed air connection
- No pipelines required
- Safe installation with crane lugs

Clean air: Layer by layer



MADE IN GERMANY

A proven system in hall ventilation is layered ventilation according to the IFA recommendation. The warm, polluted air rises due to its thermal properties. There it is extracted and filtered at the extraction area on top of the filter tower. The cleaned air is returned draft-free to the hall near the floor. In the lower area, a protected zone (*fresh air lake*) is created for employees and machines with almost outside air quality.

Filter tower technology:

1 INTAKE

The contaminated air rises due to its thermal properties, where it is extracted.

2 SPARK SEPARATOR

The spark separator serves for fire protection. It prevents sparks from entering the filter unit.

3 FILTER LEVEL I

Fine dust particles are reliably separated by cartridge filters. Filter cleaning is carried out automatically via Jet-Pulse.

4 DISCHARGE

The separated materials can be disposed of with low dust emission and conveniently via a drawer.

5 FILTER LEVEL II

For particularly fine or carcinogenic substances such as stainless steel, an additional HEPA H14 filter is used, which safely captures even microscopically small particles.

6 FAN

The fan with IE5 technology operates extremely quietly, efficiently and powerfully.

7 EXHAUST

The cleaned air is then returned to the hall draught-free via the floor-level 360° outlet.

HEPA H14 FILTER

Filters **99,995 %**
of all fine dust
and viruses

Fig. left: Layered displacement of the polluted air due to thermal buoyancy.

Sustainably **efficient**

Ventilation systems not only serve to clean the room air, but can also save energy. The warm air can be retained in winter through air recirculation and distribution in recirculation mode. This significantly reduces heating costs. The automatic adjustment of the air output as required reduces power consumption and at the same time lowers operating costs.

50%

Less
energy costs

FLOWX

70%

Less
heating costs



Safty

- Certified HEPA H14 filter
- Filtering of pollutants from the air
- Fewer cases of illness thanks to healthy ambient air and good indoor climate
- Noise protection through soundproof construction

Efficiency

- Energy and heating cost savings
- Highly efficient EC fan with IE5 Technology
- Little resistance and maximum ventilation performance
- Frequency converter to regulate the air flow

Endurance

- Long filter service life due to highly effective filter material and integrated pre-separator
- Automatic jet-pulse filter cleaning during operation
- Quality »Made in Germany«

Application

- Flexible use, retrofittable at low cost
- Clean working environment
- Minimal maintenance effort
- Lower machine cleaning costs
- Large, accessible inspection opening for easy filter changes



Get funded up to 40%!

The Federal Office of Economics and Export Control (BAFA) and the Reconstruction Loan Corporation (KfW) offer a federal subsidy program to increase energy efficiency in industry. Small and medium-sized companies can apply for a 40 % subsidy for our filter tower FlowX.*

Feel free to consult your energy advisor for more information.

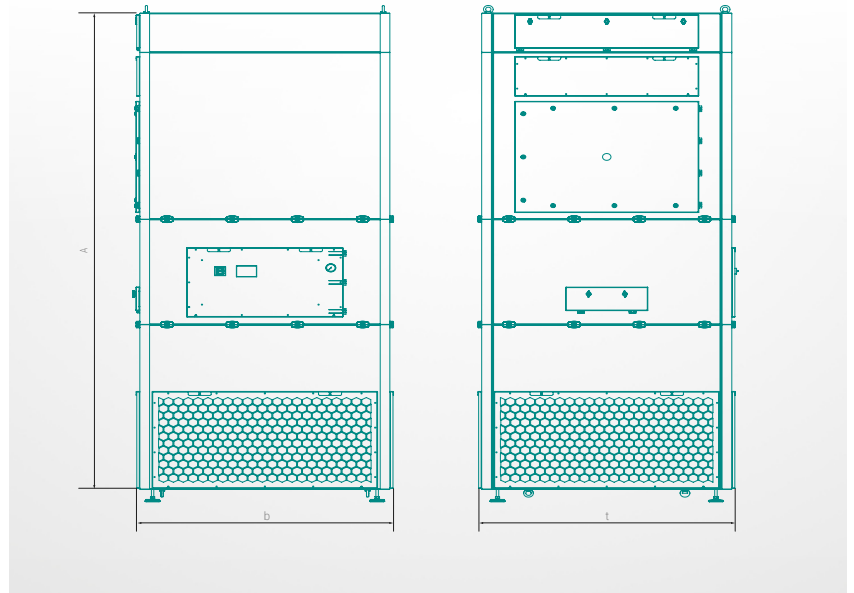
**BETTER.
HEALTHY.
WORK.**

** We do not guarantee receiving the grant. Legal changes reserved.*

Technical Data

FLOW X		4,3 kW	10 kW
Fan performance max.	m³/h	13,500	25,000
Extraction performance approx.	m³/h	12,500	20,000
Width (b)	mm	1,250	1,630
Depth (t)	mm	1,250	1,630
Height A	mm	3,750	3,950
Height B (+ H14)	mm	4,300	4,500
Number of cartridges	-	4	8
Filter area	m²	100	200 </td

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