

novus<sup>®</sup>  
CLEAN AIR TECHNOLOGY



## AIRTOWER M

The Plug & Play filter tower for the hall extraction  
of cooling lubricants

# The NOVUS Airtower M

**The Plug & Play principle** – To ensure efficient extraction the equipment must be flexible. The NOVUS Airtower has been specially developed for variable welding workstations. Our extraction wizard comes without pipelines and is ready to use immediately: *set up, connect power and compressed air, start extraction.*

**The layered ventilation principle** – The contaminated air is aspirated at the top of the unit, filtered and then discharged as clean, breathable air at ground level with no air drafts. Here, the Airtower works on the basis of the layered ventilation principle, which is recommended by the German Social Accident Insurance Institution and is seen as the best form of air recirculation. It minimises the percentage of outside air and reduces heating costs by up to 70%.

**Function** – The ambient air drawn in at the top of the unit is filtered safely, economically and in a microbiologically inactive manner using class M6 filter envelopes. The second filter stage (class

G4) located in the outlet ports helps to ensure that the supply air is distributed evenly and stops dust from entering the device when it is inactive. The cleaned air then comes gradually out of the three large exhaust areas at the bottom of the Airtower, without causing a draught. At this point, the rounded design ensures that fresh air flows towards staff in an ideal manner, as well as helping the device blend attractively into the production environment and, importantly, keeping its operation extremely quiet.

**Structure** – The side cover, made of high-tech polycarbonate, is a sign of the unit's strictly lightweight construction, while also making it resistant to impacts, scratching and heat. The controls are integrated into the device. A control panel with a colour display at the front of the device makes it easy to use.

**Setup** – The NOVUS Airtower is delivered ready for installation and can be put in place almost anywhere quickly and easily thanks to its forklift slots and lifting eyes.

## Technical specifications

### Performance parameters

Device type	FT 5.000 M	FT 10.000 M	FT 15.000 M	FT 20.000 M
Motor	5,5 kW, 400 V, 50 Hz	7,5 kW, 400 V, 50 Hz	11 kW, 400 V, 50 Hz	15 kW, 400 V, 50 Hz
Airflow	5.000 m <sup>3</sup> /h	10.000 m <sup>3</sup> /h	15.000 m <sup>3</sup> /h	20.000 m <sup>3</sup> /h

### Dimensions and weight

Width of filter unit	1.619 mm	1.619 mm	2.066 mm	2.066 mm
Depth of filter unit	1.675 mm	1.675 mm	1.756 mm	1.756 mm
Height of filter unit	1.993 mm	2.733 mm	2.733 mm	2.733 mm
Weight approx.	580 kg	670 kg	950 kg	990 kg