

NOVUS AIRLINE 4P



TECHNICAL SPECIFICATION

Motor	2x 3,9 kW, EC
Power Supply	3 ~ 400 V, 50 Hz TN S System
Connector	5 pin 32A CEE plug
Preliminary Fuse	32 per module
Power Consumption	7,3 kW
Nominal Airflow	4.000 m ³ /h
Maximum Airflow	6.800 m ³ /h
Static Pressure	3.700 Pa
Maximum Pressure	4.800 Pa
Dust Container	200 l
Noise Level	< 75 dB (A)***
Weight	700 kg
Colour	RAL 7021 + RAL 5012 + RAL 7035
*** backside with outlet into piping	

DESCRIPTION

As a rule, filter cartridges are vertically suspended or horizontal. While this is an accepted and established standard, it is not the best possible solution. The familiar, previously unresolved, problem was that the air always flowed in the opposite direction the particles movement direction. This ascend speed makes effective online dedusting of filter cartridges almost or entirely impossible.

In the new NOVUS Airline, the filter cartridges are installed in a vertical position. As a result, the flow direction, gravity and the direction of particle dedusting are virtually aligned for the first time. The flow around the entire filter package is optimised. The ascend speed in the raw gas chamber is virtually zero, which makes true 100 percent effective online dedusting and unrestricted efficient 24/7 operation possible. This innovation makes the AIRLINE an ideal extraction and filter system for deployment at continuously operated machines and in process-dependent production.

Effective dedusting means that the filter cartridges age far more slowly, while increasing the general service life of the filter package considerably. AIRLINE sets entirely new standards in terms of energy savings: In conjunction with the low internal pressure losses, the minimised flow resistances significantly reduce the electricity consumption.

FEATURES

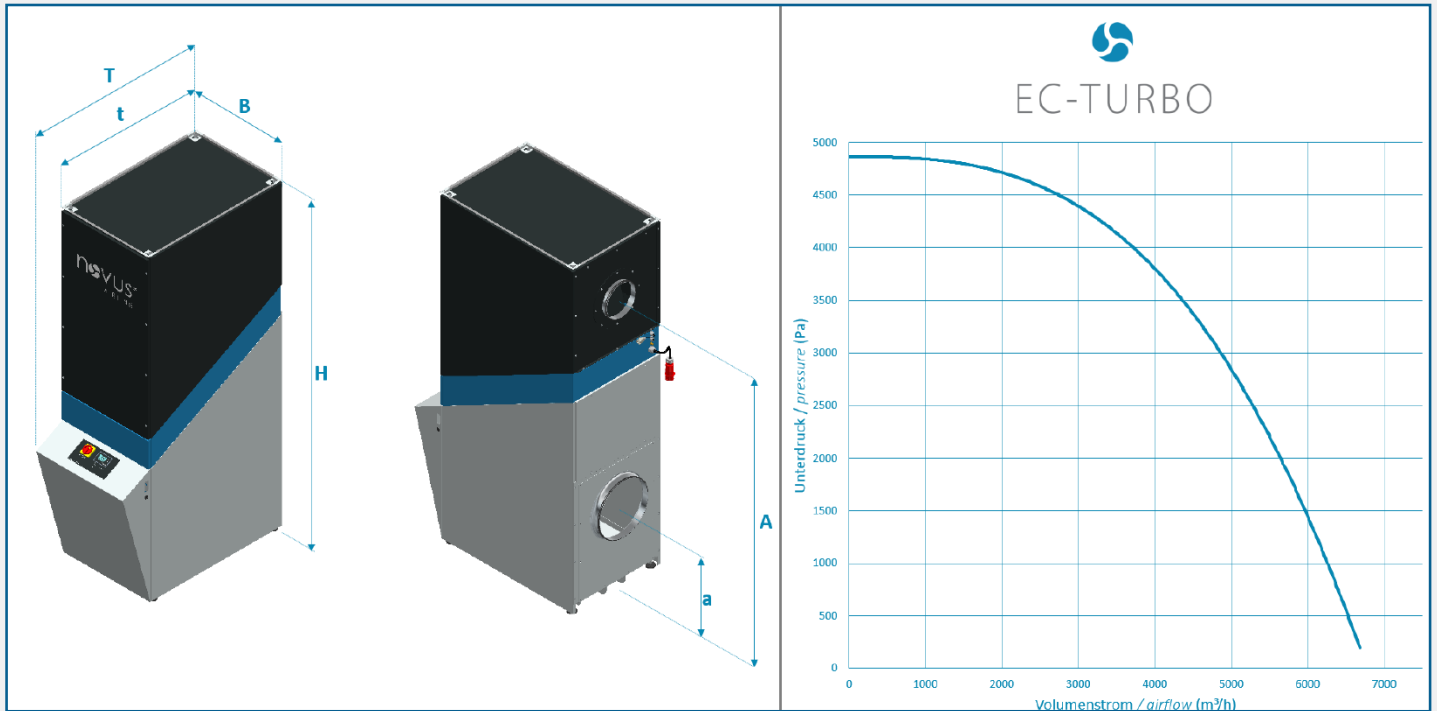
- Maximum filter service thanks to 3-1 principle
- Demand-appropriate design per system unit from 4,000 to 10,000 m³/h air volume
- Silent operation guarantees concentrated work without disruptions
- Intelligent dedusting cleans the filter cartridges fully automatically
- Maximum dust discharge up to 2 x 200 litres
- Tool-free exchange of standard barrels and simple disposal without reloading
- Compact design takes up relatively little space
- Integrated LED strip shows the system status
- Variable exhaust air return via pipeline or diffuse outlet
- Variable pipeline connection via 360° connectable pipe bend on the rear of the device
- Attractive industrial design where you might not expect it
- Ergonomic control panel at a pleasant and optimised working height

FOR THE EXTRACTION OF:

- Plasma dust
- Metal dust
- Welding fumes
- Laser fumes
- Soldering fumes
- Grinding dust

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NOVUS AIRLINE 4P



Dimensions (mm)

B	900
T	1660
t	1380
H	3070
A	2610
a	775

Connectors

Inlet	DN300
Outlet	DN500 (_RL) oder diffus (_DF)

Main Filter

Filter Surface (depending on filter set)	55 m ² - 90 m ²
Cartridges per Set	4
Dust Category acc. to DIN EN 60335 2 69	Separation rate > 99,6%
Cleaning	Intelligent multi-jet pulse jet cleaning
Compressed Air	oil and waterfree

Secondary / Fine Dust Filter

Filter Class	F9/H13
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