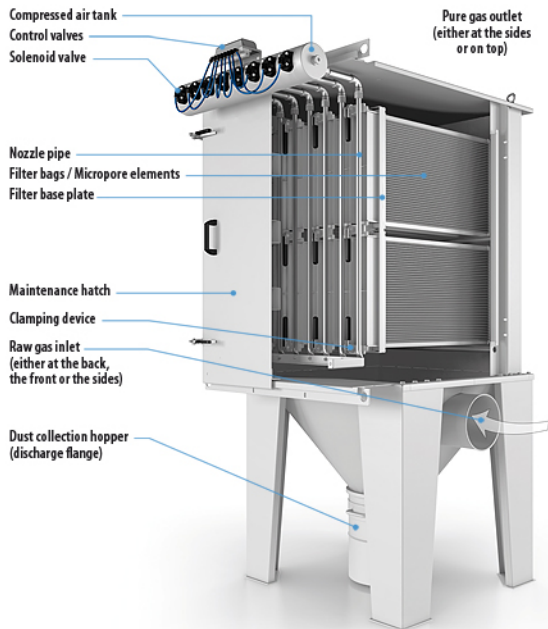




AAS AERSTAR



Combinable Benefits

- **Efficient and economical**

On request, purging can be controlled independently of pressure difference, which can save resources such as compressed air and reduces exposure of personnel and material.

- **Combinable components**

All filters are standardized and can be combined according to the exact specifications of the customer.

AERSTAR bags the lot!

The AEROB® AAS »AERSTAR« is a bag filter using a fully automatic compressed air purging mechanism.

It won't throw dust in your eyes with vague promises, but instead will make it vanish into thin air ? with clear-cut benefits for you:

Compact Construction

Filter elements are stacked horizontally and vertically.

Easy access

Filter elements are fixed to the front plate with a secure but quick-releasing clamping device and can be effortlessly replaced by one person through a large maintenance hatch in the clean gas space.

The diaphragm valves and the compressed air tank can also be easily accessed.

As an added option, we offer our patented rapid replacement system for filter bags which cuts down the time needed for replacing filters by 80%.

Hassle-free extraction of fibrous dust types

Gaps between the filter bags are generously spaced, which means that there are no cross-interferences during extraction. This way, even extremely fibrous types of dust that are prone to building up are extracted without a hitch.

Expandable filter surface area

The filter housing can be outfitted with filter bags of four different lengths, which means added flexibility for you as the filter surface area can be adjusted to your requirements.

Expandable capacity

Standardized filter chambers and filter elements make it possible to expand the unit in both vertically and horizontally, for example by lining up several individual chambers.

Extreme stability and customization options

Our standard units are made from regular mild steel. By request, we can use stainless steel either for the whole unit or contact parts only. The paint thickness is at least 70 my. We also offer customized paintwork.

Total compliance

The radial ventilators are made from robust welded sheet steel. It goes without saying that the standard dimensioned motors fully conform to directive DIN EN 60034-1/VDE 0530, part 1 for electrical machines. Customization according to your individual requirements is gladly offered.

Preassembled on delivery

All AERSTAR separators and dust removal units come preassembled, depending on the model, which keeps installation costs to a minimum.

Honorable discharge

Depending on filter type, separated dust is discharged with dust pails, bag spouts, star feeders, worm gears etc. Additionally, you can choose to employ either multiple individual dust hoppers or one central hopper.

Complete control

The solenoid valve coils are controlled by an electronic device that has been specifically developed for sequenced valve actuation. All components are fully wired and only have to be connected to the terminal box. The program is initiated as soon as voltage is applied and the control lamp lights up.

Playing it safe.

For applications involving the extraction of combustible or explosive dust types, the filter is equipped with the requisite safeguards of preventative and (if necessary) **constructive explosion protection**.

AERSTAR turns it up a notch

During operation, a **counter current process** injects compressed air into the interior of the filter bags, along with **secondary air from the intake**. Inertial forces jettison the dust that has accumulated on the outside of the filter bag.

At the same time, the injected air is cleaning out large amounts of dust from the fine needle felt. This **process is repeated** from one filter bag to the next at precisely adjustable intervals.

The compressed air (6 bar) required for this task is not a lot compared to the throughput volume of raw gas.

Depending on type and amount of dust, the actual compressed air requirement is 0.02-0.3 m³/h of intake compressed air per square meter of filter surface area.

Selecting the correct frequency of air cleaning intervals relative to dust concentrations is **essential**. Our **Pulstronic microprocessor control** will automatically take care of this task for you.

Pure Intentions

LTG® AEROB **supplies the widest range of filter media** to match your requirements. Polyester

needle felt, our most popular material, is characterized by a very high separation rate and optimum filter resistance.

Its **unique fibrous structure** and air permeability ensures reliable separation even with grain sizes of only 0.1-5 my.

The **maximum constant temperature is set at +150 °C**. Special needle felts can withstand up to 240°C (Nomex) and can be used for extremely hygroscopic or viscous products.

[» Spare Parts ASS AERSTAR \(PDF\)](#)

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Weitere Informationen / More Informations
Mail: info@ltg-aerob.de Phone: **+49 7151 6040-137**