

Munters Reventa LAVAMATIC®

Exhaust air cleaning for pigs

The LAVAMATIC® drum washer, with an air flow of 55.000 m³/h or 110.000 m³/h per module, facilitates the exhaust air treatment of the pig sector. The system consists of a unique drum washer and is delivered as a complete, pre-assembled module.

Advantages

- Very low energy consumption
- Low maintenance
- High operational safety
- Unique rotating washing drum
- Compact modular design



Practice photo LAVAMATIC®-system with biological stage

The LAVAMATIC® system can simply and fast be installed at the stable and is characterised by its very low electricity consumption due to its ability to operate without pump equipment for the spraying.

Drum washing for ammonia-, and dust reduction

The exhaust air is guided over the drum washer via fans installed on the pressure side. The exhaust air flow is first sucked through a pre-filter installed in the stable, which removes feathers and coarse dust particles from the exhaust air flow.

The continual rotation of the washer drum takes the wash water, which is acidified to pH3, from the water supply. There, the filling material built into the washer drum is moistened and trickles back into the wash water by gravity. This process removes dust and ammonia. The built-in filling material is continuously cleansed automatically when the washer drum is immersed into the water supply. This unique system eliminates the need for energy-intensive pumps.

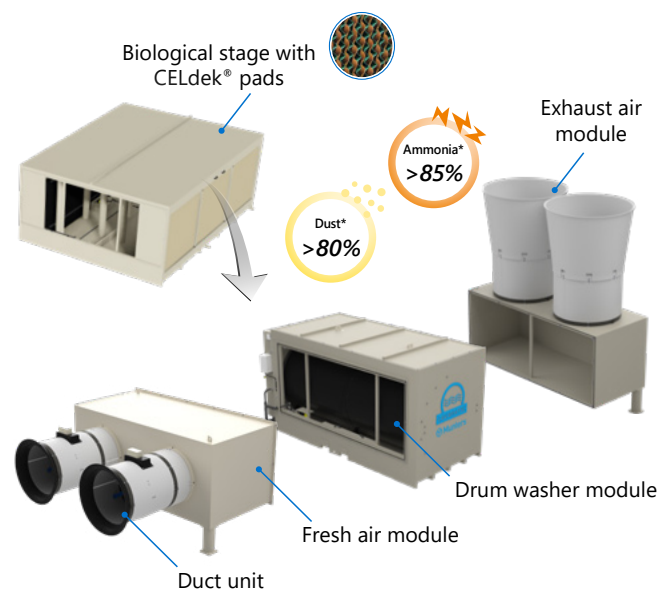
A wiper mounted at the top of the wash drum ensures that the coarser particles are removed from the drum's exterior. Simultaneously, the wiper is used for sealing the drum. A separate washing water treatment is not required.

Odor reduction with biological stage in pig farming

The exhaust air, now free of ammonia, is then guided over the last cleaning stage of the LAVAMATIC®. Here, the final stable odor is eliminated by the bio filter consisting of cellulose pads.

CELdek® cellulose pads are available on short call worldwide. The replacement is very easy due the low weight.

Components of the LAVAMATIC®-system



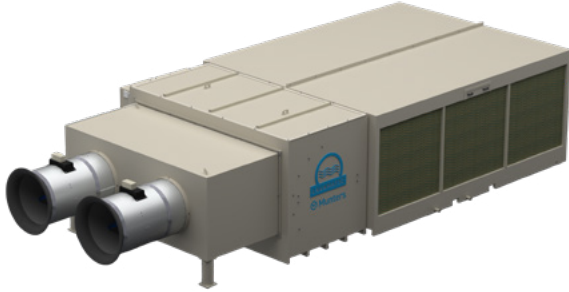
*Separation values are dependent on the raw gas loads



Product video

Munters Reventa LAVAMATIC®

Exhaust air cleaning for pigs

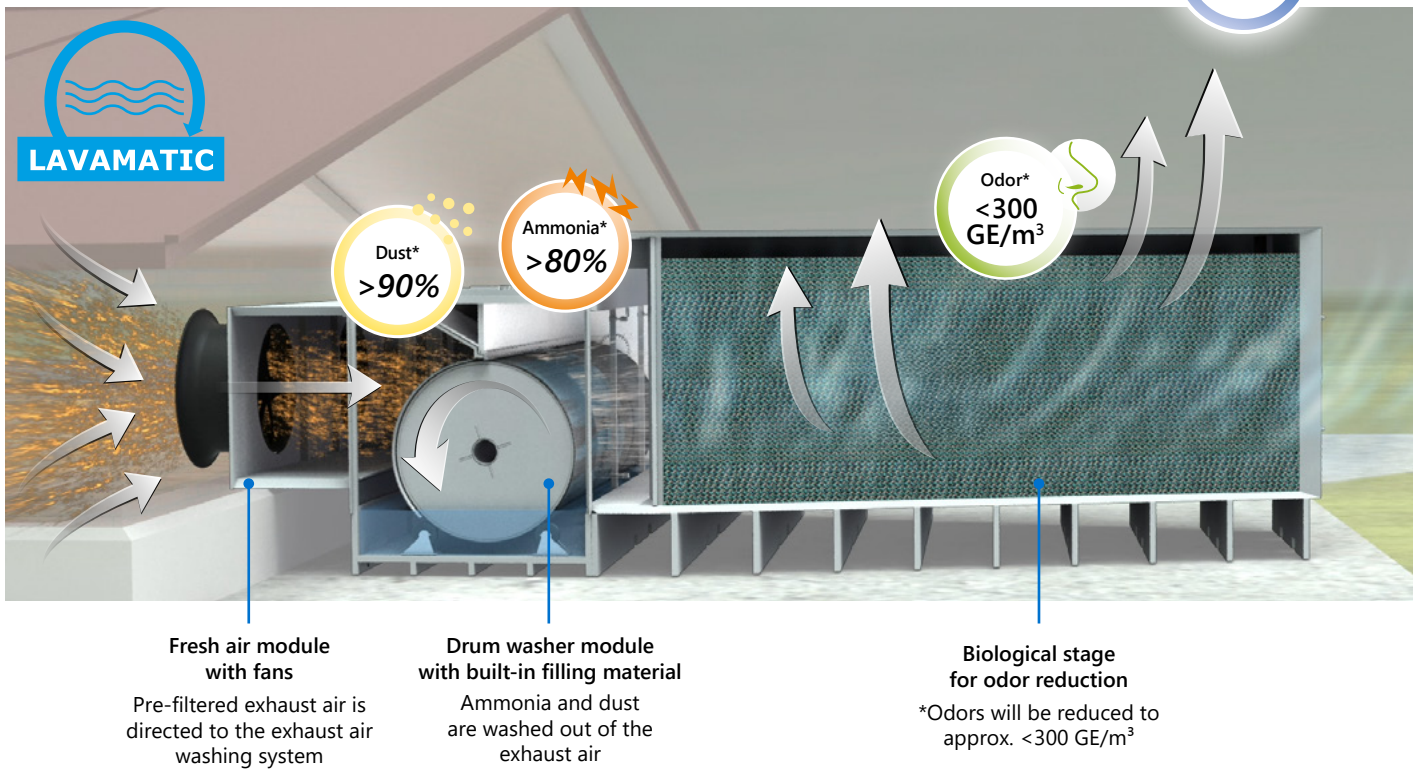


LAVAMATIC® L with biological stage



LAVAMATIC® XL with exhaust air module

Functional principle of the LAVAMATIC®-system with biological stage



*Separation values are dependent on the raw gas loads

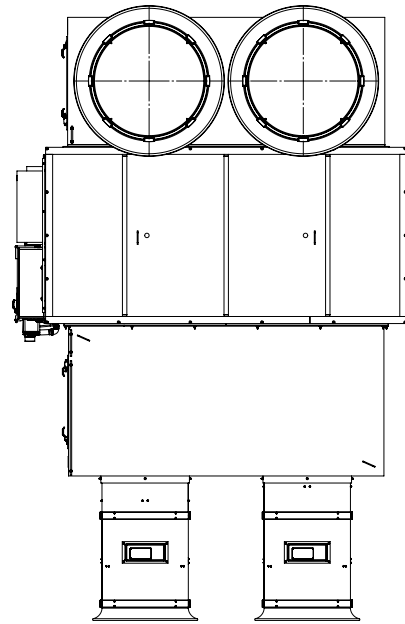
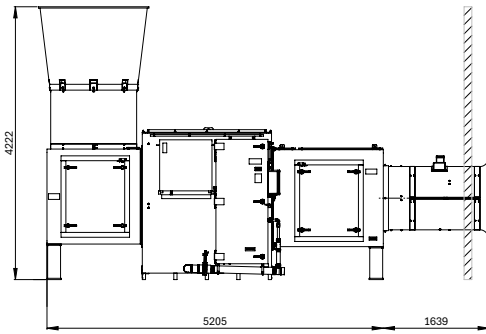
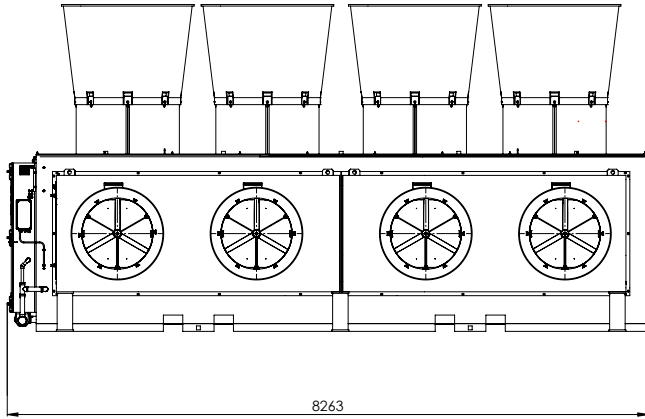
Munters Reventa LAVAMATIC®

Exhaust air cleaning for pigs

Dimensions

LAVAMATIC® XL with exhaust air module

i Dimensions are for guidance only. STP or DWG drawings can be requested for precise dimensions.



LAVAMATIC® L with biological stage

