





Advanced air washers for
industrial & agricultural sectors



Exhaust air washers

For all sorts of livestock farming

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Prismafilter 

Prismafilter provides many options for chemical and biological air washer systems suitable for pig, poultry & cattle stables. Prismafilter's air washers are available as structural or modular systems. With a Prismafilter's air washer installation you comply with the European emission law and regulations, maintaining the same number of animals or even more.

*Chemical washers provide an ammonia reduction up to 95%
and an odour reduction up to 35%*
*Biological washers provide an ammonia reduction up to
85% and an odour reduction up to 45%*

Chemical air washers

The chemical (combi-) air washer treats the stable exhaust air. The filter package combined with wash water captures ammonia, particulates and unwanted odours. To perform this on a large scale the filter package in the chemical air washer system has a large inlet surface area. This surface size ensures a low air resistance, enabling large volumes of air to be processed at once.

How does it work? What are the results?

During the treatment of the exhaust stable air, a circulation pump continuously sprays the filter package with a mix of wash water and sulphuric acid. The reaction between the ammonia, the wash water and the sulphuric acid reduces emissions, odours and particulates. In combination with a suitable circulation pump, energy consumption is minimized as well. You will achieve the highest possible efficiency with Prismafilter's chemical air washer systems and reduce energy expenses.



Biological air washers

A biological (combi) air washer processes the exhaust stable air and works similar as a chemical (combi) air washer. The differences between these systems lies in the composition of the filter packages. The filter packages in a biological system contains a bacterial culture that converts ammonia into nitrite and nitrate. A suitable circulation pump, combined with a water purification system makes it possible to contribute to a sustainable bacterial culture. Additionally, it saves energy costs and reduces air washer maintenance.

