

High-efficiency physical sorption separator for aerosols and micro-droplets from water-based compounds, emulsions etc. in exhaust air from food production facilities
Pre-filter for active carbon installations etc.

Application

This high-performance sorption separator acts as a pre-filter for active carbon or oxidation systems (odour reduction).
hydroSorp® protects the subsequent filter systems from clogging by grease and water-based emulsions, thus extending filter life and enabling cold oxidation plants to function properly..
hydroSorp® is as effective as a pre-filter to ventilation systems.
Dust removal performance meets all applicable standards.

Description

The *hydroSorp®* sorption separator collects and agglomerates the smallest droplets; once a certain droplet size is reached they run off through a porous gutter.

Patented in Europe, *hydroSorp®* consists of a very high quality hydrophilic ester foam layer, thermally treated to create an internal grid structure. This guarantees fast drainage of absorbed fluids thus preventing unwanted droplet extraction from the rear of the separator.

According to need, the separator can be cleaned with an automatic washing installation or by hand. In winter a heating element prevents freezing.

Maintenance

The *hydroSorp®* separator is fully regeneratable. The ester foam material can be cleaned in an ordinary washing machine at 60°C using non perfumed detergent.

The cleaner the material is kept, the longer its life cycle.
(See separat washing instructions)

Residuals

Residues from the filtering and washing process must be disposed of according to the rules and regulations in country of operation.
hydroSorp® itself is usually disposed of as non-hazardous waste.



hydroSorp® inside the two folded frame of stainless steel ready to work

hydroSorp®* washing instructions

High-efficiency physical sorption demister for aerosols and micro droplets, droplets in aqueous compounds, emulsions, etc.

Here: washing instructions

BA·RO
AIR HYGIENE

Description

Patented in Europe, *hydroSorp®* is made of high quality ester foam. This sponge like material can be almost fully regenerated simply by washing.

Regeneration

To clean *hydroSorp®* properly first take it out of its two-part frame (see illustration).

Wash *hydroSorp®* in a washing machine at no more than 90° C using a non-perfumed detergent. Do not tumble dry at over 800 rpm.

The regeneration/washing should be done on a regular basis at not too long

intervals. Traces of dirt on the surface will show when! Thus the life cycle and performance of *hydroSorp®* will extend enormously.

Caution: When employed in kitchen exhaust air *hydroSorp®* can accumulate large quantities of grease. This can lead to excessive wear and tear on the washing machine if *hydroSorp®* is not treated **at correct and frequent intervals**. In such cases the disintegration of *hydroSorp®* and/or severe damage to the washing machine cannot be excluded.

If in doubt always contact a professional cleaning personal or firm.

If *hydroSorp®* shows signs of disintegration it must be replaced immediately.

We suggest that you have spare units to hand. For further and more detailed descriptions please see our separate data sheet.

hydroSorp® in the two-part stainless steel frame, ready for use

hydroSorp® in the two-part stainless steel frame opened for removal and insertion



hydroSorp® inside the two folded frame of stainless steel ready for take out