

HF-TASP

Exhaust air scrubber for horizontal installation

Description

HF-TASP exhaust air scrubbers are used in industrial plants where emissions are generated from a wide range of processes.

Organic, inorganic or toxic pollutants are cleaned in compliance with the environmental regulations (TA Luft). Depending on the type and concentration of the pollutants, one or more process steps take place with or without filler bodies. Whether it is a standard version or a special design for your individual application - HLU offers the best solution, in technical as well as economical terms. In addition to wet chemical processes such as the field of surface technology, HLU exhaust air scrubbers are used in the following areas:

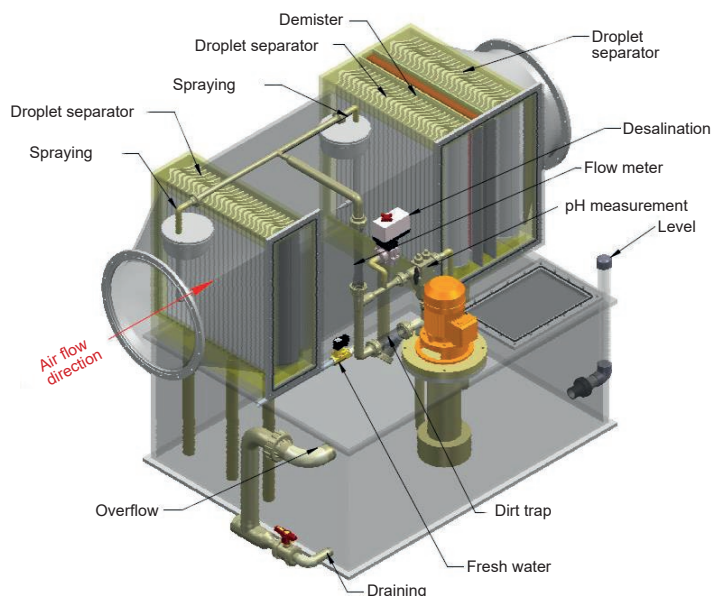
- Chemical / Pharmaceutical
- Semiconductor, solar and surface technology
- Waste and waste water technology
- Composting
- Textile and food industry

Function

The exhaust air flows in horizontally and is sprayed continuously with washing fluid by means of a circulation system. The pollutants in the exhaust air are physically removed according to the absorption principle or are chemically bound by adding lyes or acids. The air-fluid mixture is separated by means of a downstream separator.

Technical Data

The standard range comprises 15 sizes for volume flows of 500 cbm/h to 135,000 cbm/h. Depending on the material to be used, HF exhaust air scrubbers are designed for operating pressures of up to 3,000 pa and operating temperatures of - 30 °C to + 120 °C.



Materials

Depending on the exposure to chemical and physical loads, the thermoplastics PP, PPs, PE or PVDF are used.

In potentially explosive areas, electrically conductive plastics such as PPs-el are used.

Tanks for higher temperature or pressure loads are produced as reinforced versions with glass fibre composites.

