Counter flow-Scrubber RVE

in plastic
Counter flow SCRUBBER RVE in plastic

Application

Purification of highly polluted exhaust air with acidic or alkaline contamination.
Mainly used in:
- Food industry
- Pharma, chemical and biochemical industry
- Surface treatment and solar technology
- Semiconductor and clean room
- Waste, sewage treatment, composting
- Drying process

Principle

Dosing of circulating washing fluid into the vertical exhaust air flow. Rinsing of water-soluble impurities by the addition of alkalis or acids. Tank for pollutants.

Features

Efficiency: up to 99.9 %
Air flow: standard up to 60'000 m$^3$/h (higher air volumes on request)
Gas temperature: -30 to +120 °C (according to material)
Working pressure: +/- 1’500 Pa (according to material)

Construction

Scrubber made of corrosion-resistant plastics: PP, PPs, PE, PVC, PVDF, GFK.
The packing inside the column ensures sufficient surface area between gas and fluid phase. Prevention of liquid discharge by mist eliminator after cleaning phase.

EX-proof

Available for ATEX zones 1+2

Accessories / Options

- pH-reading, conductivity measuring
- Chemical dosing unit, dosing tank
- Automatic shedding of pollutant
- Outdoor installation, heating systems
- Sloping base

Dimensioning

Individual dimensioning, according to your needs.