

# AHT Gas Scrubber for Small & Medium Volume Flows

## Overview

Decentralized combustion for waste streams like sewage sludge often faces high treatment costs. As such, the AHT Gas Scrubber provides an economical, all-in-one solution for acidic and alkaline gas scrubbing. Operating on the principle of a disintegrator, the system generates high turbulence for cleaning while simultaneously acting as an induced draft fan.

Additionally, by combining finely atomized scrubbing liquid, intelligent flow management, and a sophisticated surface design, the system ensures optimal contact between the process gases and the scrubbing medium's high surface area for maximum cleaning efficiency.



## Advantages

The foundation of our AHT scrubber, is based on experience that dates back to 20th-century coal gasification. The first scrubbers were used with Klöckner-Humboldt-Deutz (KHD) gasifiers to remove tar and dust from synthesis gases. Since then, AHT has continuously optimized gas scrubbing, and listed below are some of its advantages that it provides.

01

Particles are washed out of the gas stream via absorption.

02

Dissolution processes and chemical reactions (acid gas scrubbing) have optimal conditions.

03

The utilization of drive energy for both atomization and suction/pressure performance saves energy, equipment, and maintenance costs.

## Technical Data & Specifications

- Listed below, is the technical data of our AHT Gas Scrubber models.

### Performance Ranges of AHT Gas Scrubbers

Model	Unit	Min. Flow	Max. Flow
GR-W111	Nm <sup>3</sup> /h	200	400
GR-W116	Nm <sup>3</sup> /h	400	800
GR-W123	Nm <sup>3</sup> /h	800	1900

### Global Parameter for our Gas Scrubbers

Parameter	Unit	Value
Suction Capacity	mbar	50
T <sub>max</sub>	°C	800