

# TTS type (Special gas scrubber)



## Features

- ❶ Ideal for treating silane-containing gas from semiconductor production.
- ❷ Achieves an efficiency of 99.9 % or higher in the removal of gas from hydrolysis.
- ❸ Maintenance is made easier.

## Targeted gas(examples)

$\text{SiH}_2\text{Cl}_2$ , dichlorosilane

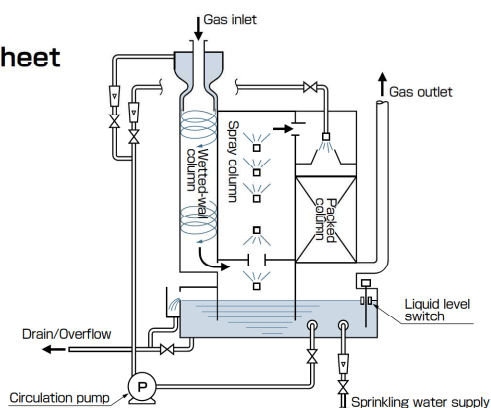
$\text{SiHCl}_3$ , trichlorosilane

HCl, hydrogen chloride

## TTS type standard common specifications

Standard material	Main unit - PVC; circulation tank - FRP; filler - PP
Standard color	Tank - Munsell N-7
Standard motor	Totally enclosed fan cooled motor for outdoor installation, 200/220 V, 50/60 Hz
Pressure loss from the main unit	300 Pa (main unit) (assuming the suction pressure of 500 Pa, given that $\gamma$ , the specific weight of air, is $1.2 \text{ kg/m}^3$ )
Allowable inlet temperature	40°C or lower

## Flow sheet



## Removal ratio

Targeted gas	Removal ratio
$\text{SiCl}_4$ , $\text{SiH}_2\text{Cl}_2$ , HCl 5,000~10,000ppm	99.98%
$\text{SiHCl}_3$ , HCl 110,000~260,000ppm	99.99%
$\text{SiH}_2\text{Cl}_2$ , $\text{SiHCl}_3$ , HCl 5,000~10,000ppm	99.98%