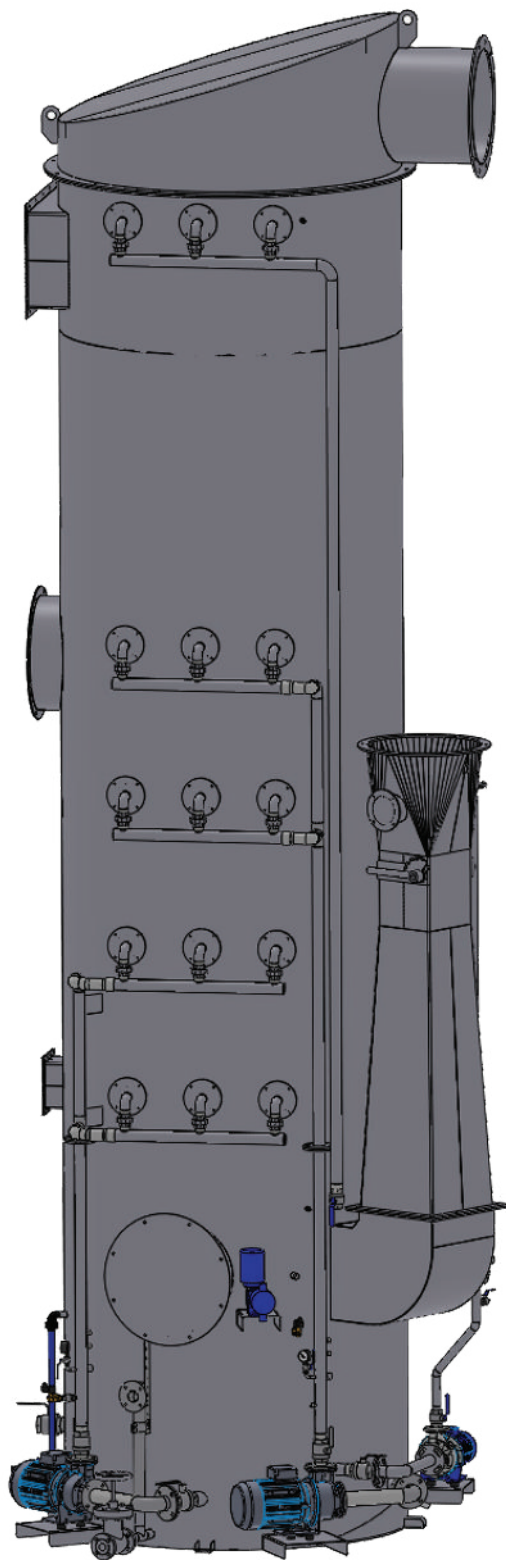


Scrubber Venturi SV series



EQUIPMENT TYPE

Wet air, or other gases, depollution.

APPLICATION

Remove dust and VOC from the air with a high efficiency .

OPERATING PRINCIPLE

Venturi scrubbing is an effective technique for the removal of particles from a gas stream, even down to sub-micron size. Scrubbing liquid and gas stream are brought together in a turbulent contact in the venturi throat.

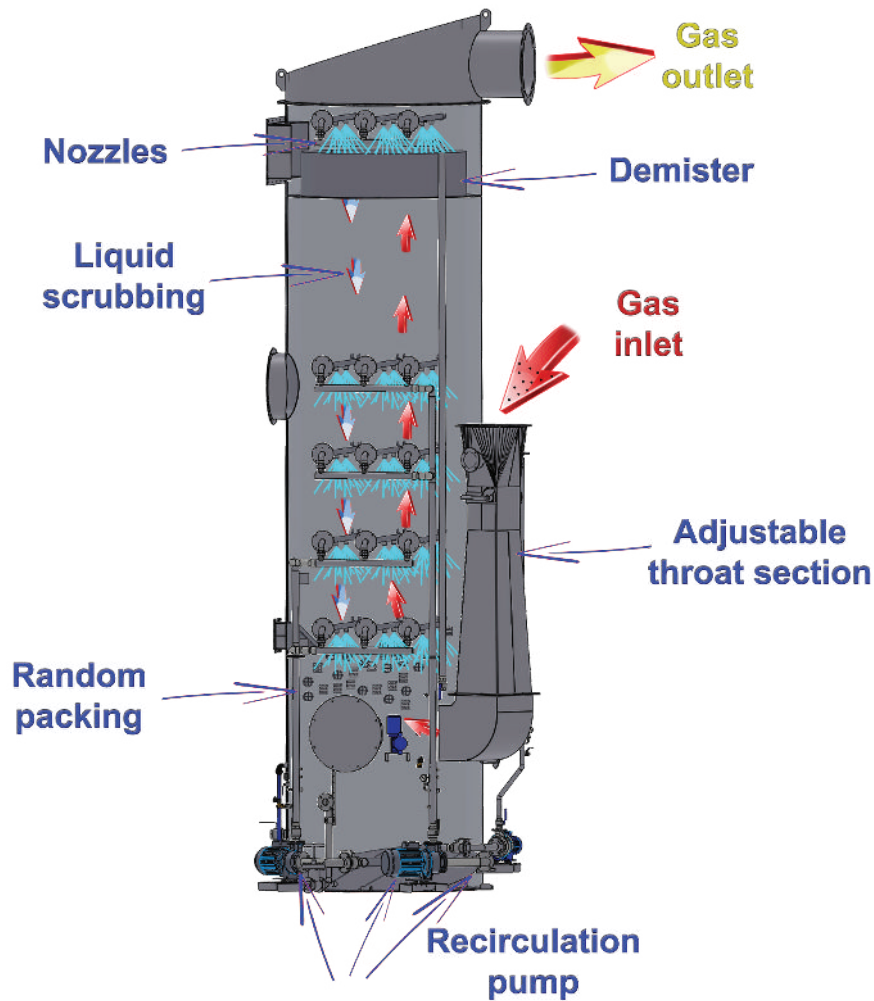
Liquid is introduced at the venturi throat. The liquid velocity is low in comparison to the gas velocity. The high relative velocity between gas and liquid ensures good particle collection efficiencies even down to the submicron range. The smaller the particle to be removed, the smaller the throat and the higher the pressure drop. Our Venturi scrubber is of an innovative adjustable throat size and pressure drop.

MAIN ADVANTAGES

It's a wet gas depollution for hot dusty gases
 It's a wet gas depollution for explosive dusty gases
 It can achieve good gas absorption for soluble/reactive gases
 The required energy is adjustable.
 The Throat section is adjustable according to the job needed.

TYPICAL APPLICATIONS

- Particulate Scrubbing
- Gaseous and particulate contaminant removal from processing operations in the chemical, pharmaceutical, food industries and petroleum
- Gaseous and or particulate emissions from process operation vessels, reactors and storage tanks
- Odor control and VOC removal from product dryers, and waste treatment operations
- Acid gas removal from high temperature gases
- Acid and alkali fume removal from pickling, galvanizing, and cleaning lines
- Mist Removal
- Toxic, explosive or hazardous gases prohibiting presence of air or oxygen.
- Acid Scrubbing
- VOC Scrubbing



Gas flow mc/h	from : 500	to : 100.000
Dimensions	As required by the customer.	
Venturi	With adjustable throat section.	
Washing system	With a recirculation pump and nuzzles.	
Demister	With a high efficiency in polypropylene or stainless steel.	

CONSTRUCTION

A scrubber venturi can be constructed in stainless steel, polypropylene, fiberglass and other materials.

OPTIONAL

- Electrical panel
- Airfan
- Inverter
- Chemical storage tanks
- Dust and fume Collecting System