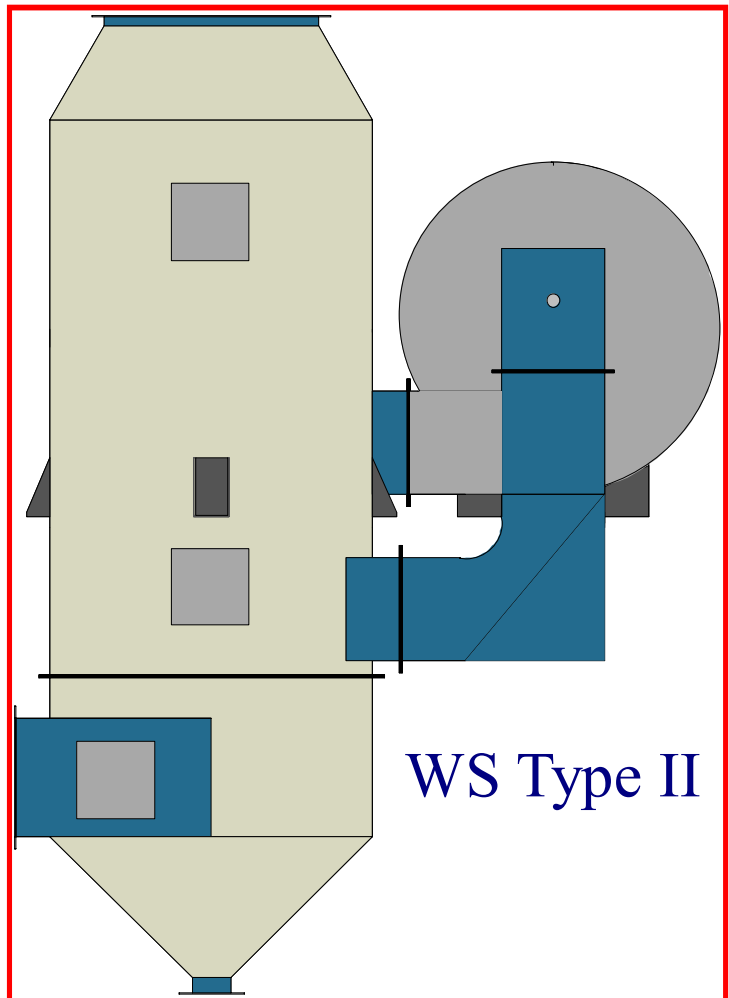


HIGHLIGHTS

- 1) Dust laden gas stream tangentially enters a pre-scrubbing area where the heavy and abrasive particles are thoroughly mixed with the scrubbing liquid and discharged through the discharge flange. An internal vane, installed above the pre-scrubbing area, is included to collect intermediate sized particulate as the gas stream passes. The internal vane can be replaced with showers for special applications.
- 2) The gas containing the finer dust particles exits the pre-scrubbing chamber and enters the fan where the scrubbing liquid is introduced by a low pressure nozzle at the center of the fan wheel. The remaining particles are scrubbed by collision and penetration into the liquid droplets, which is enhanced by the rotation of the fan wheel.
- 3) The collected dust and liquid are discharged tangentially back into the upper section of the separator, and are removed from the clean gas stream by centrifugal action. The slurry is discharged through an internal cone back into the pre-scrubbing chamber, and is recycled to aid in collection of the heavy particulate.
- 4) Materials of construction include carbon steel, stainless steel, special alloys, and fiberglass reinforced plastics.

ADVANTAGES

- Dual stage scrubbing action
- Ability to handle high dust loads
- 99% efficiency on 1 - 2 micron
- Low water consumption
- Self-cleaning non-clogging design
- System loss overcome by fan
- Scrubbing liquid can be recycled



APPLICATIONS

- Slaker Dust Recovery
- Rotary Dryers
- Limestone
- Potash
- Plastics
- Pelletizing
- Paper Grinding
- Clay
- Fertilizer
- Carbon Black
- Silica Flour
- Lime Hydrator
- Grinding
- Boilers
- Banbury Mixers
- Rubber

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