



Gas scrubbing towers for environmental deodorization plants



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Gas scrubbing towers for environmental deodorization plants

The PPA VENT deodorization towers eliminate contaminants by passing the gas flow through the various stages (towers), thanks to the continuous recirculation of washing solvents containing reagents. The operation of these towers is based on chemical absorption and oxidation of the contaminants, which takes place scrubbing the towers

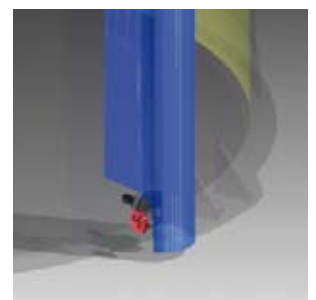


Features and accessories:

- Manufacturing materials PP, PPS, HDPE, PPS-el, PVDF, FVRV. Made to order from plate and/or extruded pipe, available for any required capacity.
- Maximum flow: 150,000 m³/h.
- Grid shaped filler bracket with 92% spacing.
- Irrigation ramp with inlets distributed in the tower, 30°, 60°, 90° and 120° fitted full cone sprayers.
- High efficiency flow droplet separator.
- High performance shim rings, in different materials.
- Visual level with electric level sensors.
- Overflow and drain.
- Load drop indicator in the filler.
- Motorised valve for network water inlet
- Instrumentation. pH-Redox sensors for the automatic addition of reagents according to the transmitters' set points.



Shim rings, in different materials



Visual level



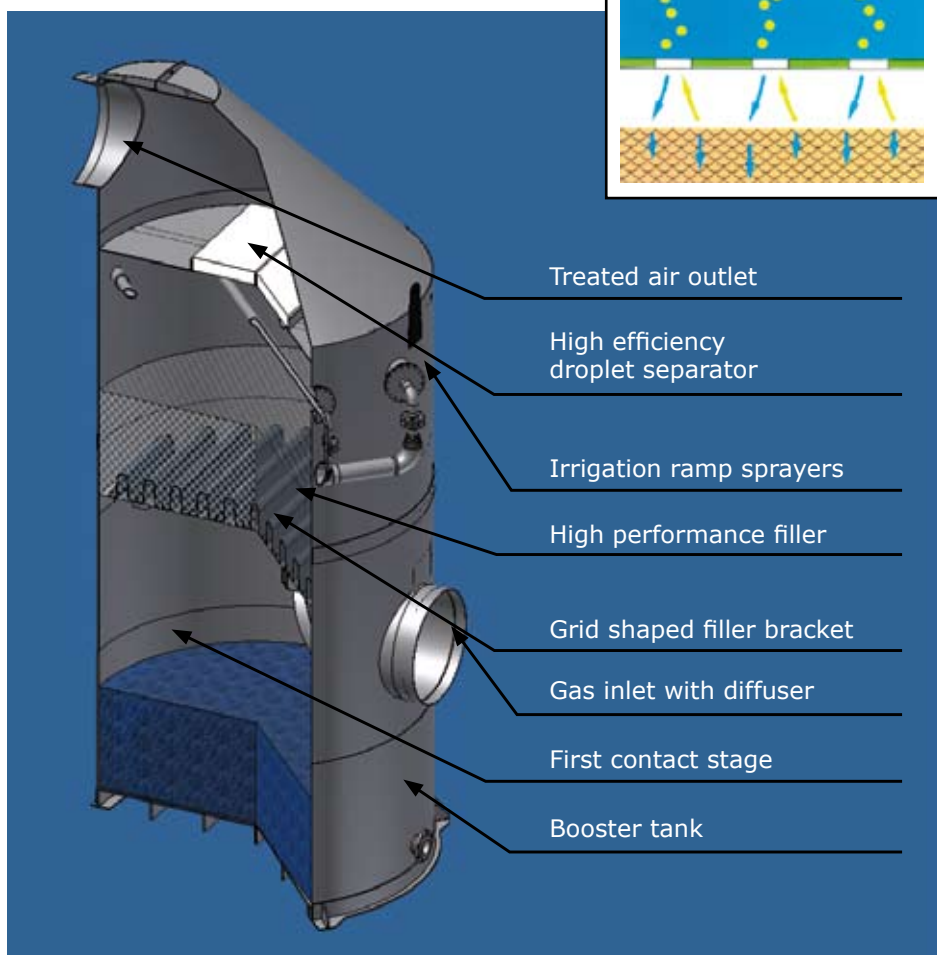
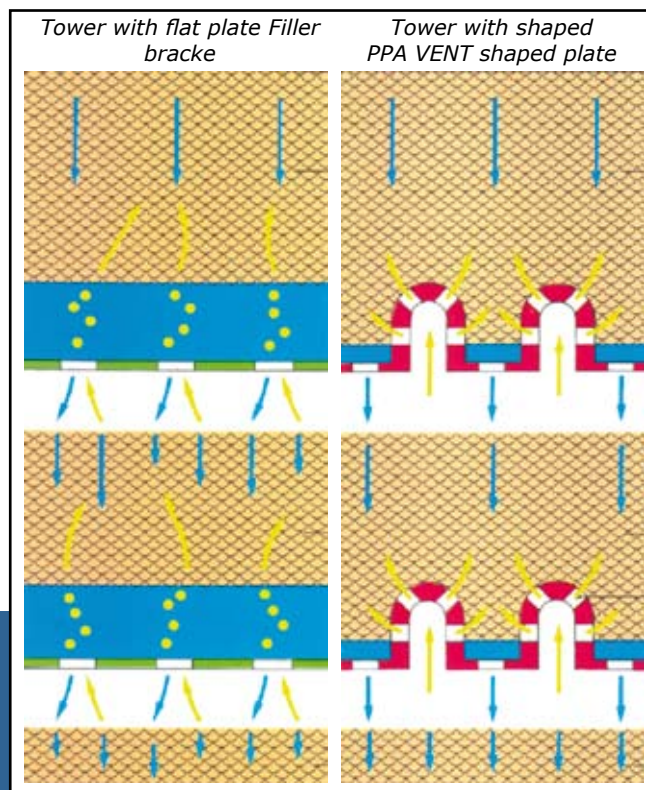
Overflow and drain

The PPA VENT deodorization towers incorporate a number of extensions designed to increase efficiency in the deodorization process and energy efficiency.

The filler backing plate installed in the PPA VENT towers are manufactured from PVC shaped plates with a 92% all-pass efficiency, avoiding the traditional flat perforated tramex type plates which have a 60% maximum pass.

The advantages of the PPA VENT grid shaped filler brackets are:

- Minimum load drop (maximum energy efficiency), the fluid-fluid contact and distribution being the maximum.
- No formation of a column of liquid on the grid.
- No formation of preferential fluid-fluid paths or channels. Maximum tower efficiency.
- There are no premature incrustations and deposits.
- From the column base the gas-liquid contact is much higher.
- The grid shaping maintains its shape during its useful life, facilitating expansion and contraction.
- Maximum surface area by-pass is obtained.





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