



SCRUBBER UNITS



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General Description and Intended Use

Deodorizing systems (Scrubbers) are used to eliminate the factors (hydrogen, sulphide, ammonia, NOx components) creating bad odors in the treatment plant.

Working Principle Of Equipment

The air containing waste gas collected by the air suction pipes and the suction fan from the points from where bad odor arises is taken to the scrubber unit and washed with a solution prepared to absorb any gas. The solution prepared in the lower container of the scrubber unit is constantly forced into the springs at the upper level of the scrubbers via circulation pumps and the waste air which enters in the scrubber from the bottom and is discharged to the flue is washed. The air which is washed in the scrubber unit and cleared of the stinking components gets out of the scrubber flue and leaves the system.

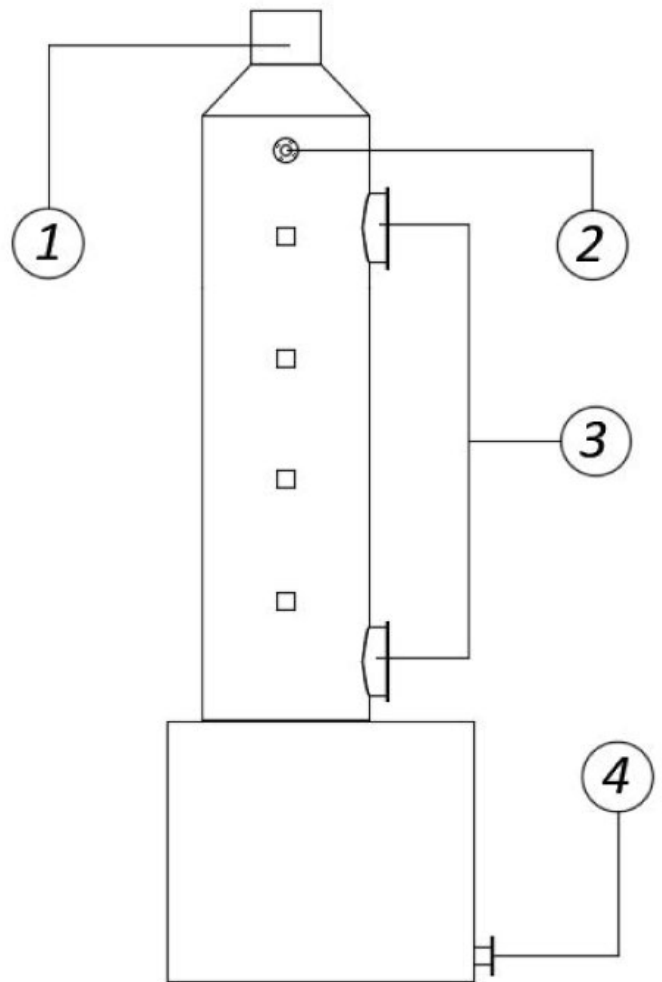
TECHNICAL SPECIFICATIONS

- It can be designed for any capacity.
- There are different solution methods for the gas to be treated.
- The diameters of inlets, outlets and manhole can be selected in any measurements.
- In pH meter control, the chemicals are automatically added.
- The surface of the gas washing surface is increased with the rashing rings.
- The whole washing area is sprayed water via nozzles.

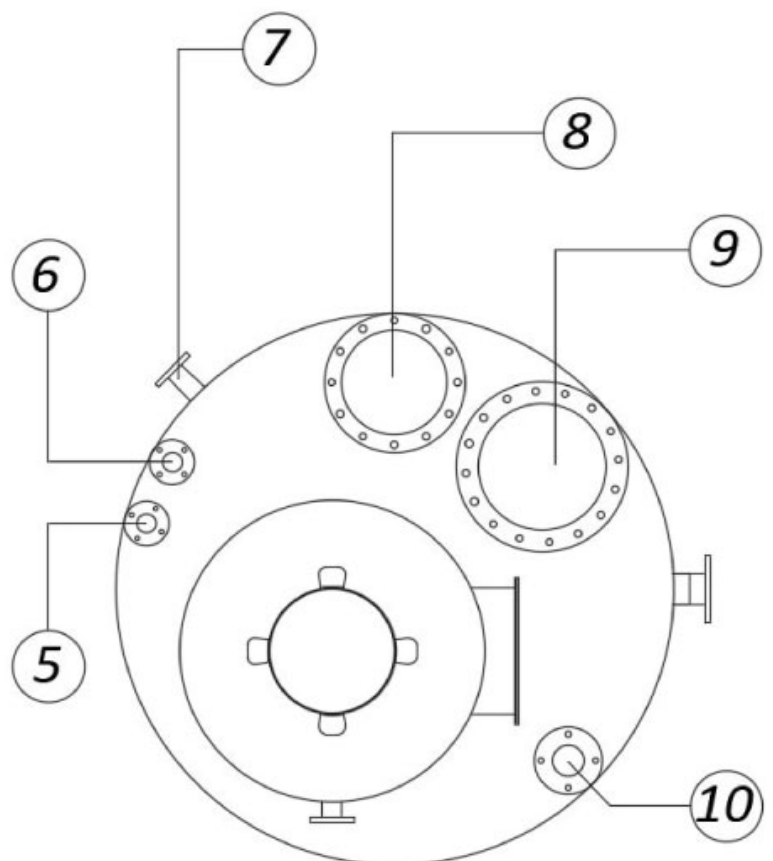
Advantages

- Project Based Special Design Possibility,
- Possibility to Control and Follow the System Operation over SCADA,
- Compact Design,
- Low Operation and Maintenance Costs,
- Minimizing of Required Space,
- Low Energy Consumption,
- Easy Transportation and Mounting / Demounting,
- Long Operation Life,
- Suitable for Outdoor Operation.

No	Part Name
1	Jet Cap Chimney
2	Circulation Water Inlet
3	Sight Manholes
4	Circulation Pump Suction
5	Clean Water Inlet
6	Chemical Dosing Point
7	Bottom Discharge
8	Waste Air Inlet
9	Interference Manhole
10	pH Measurement Point



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Accessories

- Rashing Rings
- Nozzles
- Mist Eliminator
- Dosing System
- pH Meter
- Circulation Pump
- Local Power and Control Panel
- Stairs*
- Jet Cap Chimney*
- Intervention and Maintenance Platform*
- Suction / Force Fan*
- Gas Measuring System*

* Optional accessories are defined.

Material Details

- Frame: They can be manufactured as DIN 1.4301 (AISI 304), DIN 1.4401 (AISI 316) or Polypropylene.
- Interference Covers: They can be manufactured as DIN 1.4301 (AISI 304), DIN 1.4401 (AISI 316) or Polypropylene.

"Different materials can be preferred in accordance with the request of the customer."



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