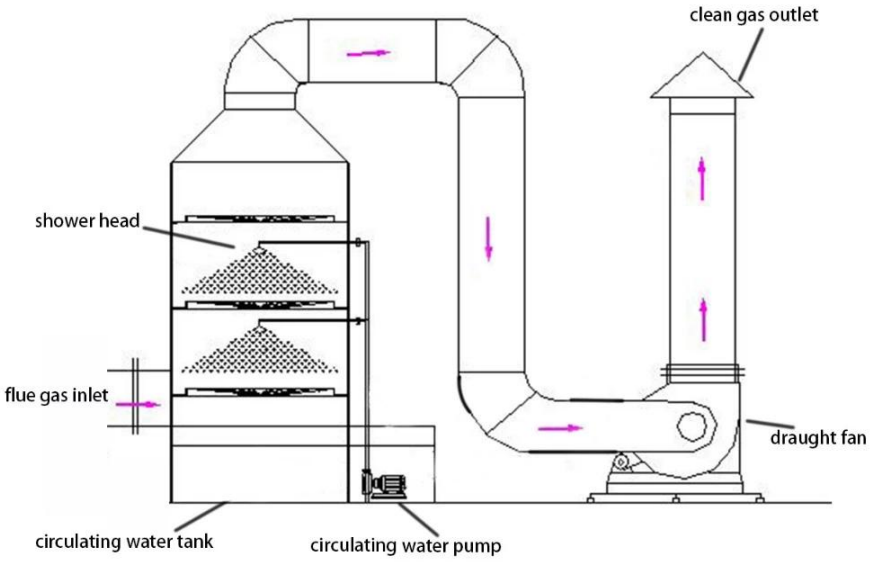
SPRAY TOWER-WASTE DUST WET SCRUBBER

Product description

PP spray tower is a new type of industrial waste gas treatment and processing equipment. It is produced on the basis of an industrial exhaust gas purifier with a floating filler layer. It is widely used in the pre treatment of industrial waste gas treatment, dust removal, etc., and the purification effect is very good.

Working Principle

Exhaust gas is introduced into the spray tower by the fan, the inner cylinder forms a pressure chamber, and the pressure chamber is evenly distributed to each bubbling tube. The exhaust gas passes through the bubbling tube and enters the liquid absorption tank to absorb bubbling liquid, and then bubbles pass through the packing layer. The gas-liquid two phases are fully in contact with the absorption neutralization reaction. The water is sprayed on the top of the tower after being pressurized by the water pump at the bottom of the tower, and finally it is returned to the bottom of the tower for recycling, and the exhaust gas after absorbing and filtering continues to flow upwards and is sprayed. The absorption neutralization liquid ejected by the tube produces a final reaction. After neutralization reaction, the gas after dehydration and dust removal by the terminal defogging plate is discharged into the atmosphere, which can also be combined with photo-oxygen catalysis or low-temperature plasma and activated carbon gas purification equipment. After-exhaust gas reaches local or national emission standards and emission requirements



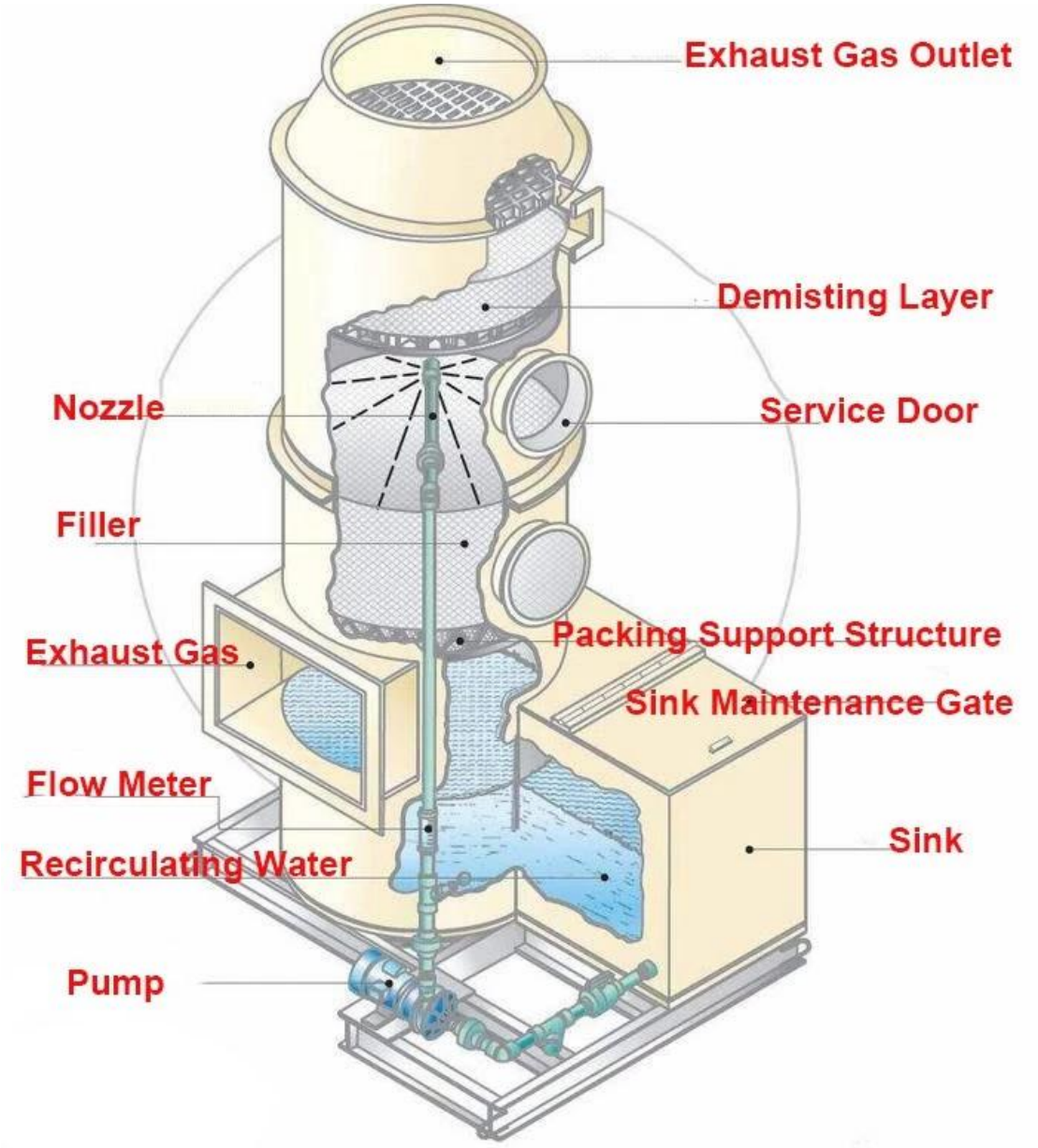
Spray tower working principle

Structure principle:

1. The material of the spray tower body is stainless steel, steel plate, polypropylene and fiberglass, and the whole is wound cylindrical cylinder body without segmented connection flange. The specific structure consists of pressure chamber, liquid storage tank, packing, spray Shower device, defoaming device and other components.

2. The packing layer in the spray tower is used as the mass transfer equipment for the contact parts of the gas-liquid two phases. The filling layer is equipped with a packing support plate at the bottom and the packing is placed on the supporting plate in a random stacking manner.

3. The chemical absorbent is sprayed downward from the top of the tower and the exhaust gas flows upward. The exhaust gas is in full contact with the absorbing liquid and is removed by reaction



Production Picture

DUST COLLECTOR STRUCTURE:

The structure of the cartridge filter is made into the duct, the exhaust duct, enclosure, ash hopper, soot cleaning device, guide device, flow diversion distribution board, filter cartridge, and electric control device, similar structure of air box pulse bag dust removal.

Model	Air volume	Pump out/in pipe diameter	Power	Weight
(mm)	(m^3/h)	(mm)	(kw)	(kg)
φ800*3500	2000-3000	32/25	0.75	200
φ1000*4000	4000-5000	40/32	1.5	450
φ1200*4000	6000-8000	40/32	1.5	600
φ1500*4200	10000-15000	50/40	2.2	800
φ2000*5000	20000-25000	65/50	4	950
φ2500*6000	30000	80/65	5	1200

Application




Installation Instructions

1. Regulation of circulating water volume: It is determined by the spray tower water supply pump. When one boiler is running, one can be turned on. When two or three are running at the same time in winter, both water pumps are turned on, and the mud pump is at its flow rate. It should be adjusted according to the flow of the circulating pump to make them equal.
2. Dosing volume in the dosing tank in the spray tower: When operating a boiler, add 2 bags of alkali and 5 bags of slaked lime. If two or three units are operated in winter, the dose can be increased by a corresponding multiple.
3. The spray tower sedimentation tank should be cleaned frequently, once a week in summer and once every three days in winter.
4. When the gray water separator discharges sewage, it is discharged once per shift, and the sewage valve should be opened separately until clear water is discharged.
5. The above rotating parts should be frequently checked and filled with oil, and the faults should be eliminated in time to ensure the desulfurization effect of the spray tower.
6. Pay attention to safety when adding medicine on the stairs and down stairs, and have independent security and mutual security awareness.
7. After the work is completed, the sanitation should be cleaned up in time so that people can clear the site.