

Application of sintered filter plate

Sintered plate filter, also known as plastic-fired board filter, sintered-together plastic filter, is a dust collector based on gas filtration, and the filter element used is a sintered plate filter element. It is a new generation of high-efficiency dust collector developed and produced abroad for more than 20 years. It can effectively capture dust above 0.1 μm . For dust above 1 μm , the collection efficiency is 99.999%, and the emission is less than 1mg/m³. Zero emissions in the sense, and less pollution.

The sintered plate filter element is antistatic, acid and alkali resistant, strong humidity resistant, wear resistant, and the filter plate has a long trouble-free running time, and it does not require frequent maintenance. Good dust removal ability will maintain its stable resistance, so that the sintered plate filter can work effectively for a long time, and the service life can be more than 10 years. Sintered plate filter elements are widely used in air purification of dust removal equipment in industries such as cement, mining, metallurgy, chemical industry, automobile, electronics, medicine, food, welding processing, and precious metal recovery. Due to the unique advantages of the sintered plate filter element, such as large surface area, small size, high efficiency, convenient maintenance, and the ability to filter dust with high moisture absorption and high water content, and filter oil and fiber dust, it is suitable for working occasions where the gas contains water and oil, which electric dust removal and bag filter can not.

Advantages;

1. The emission concentration is far less than 1mg/m³;
2. Effectively filter dust particle size $\geq 0.1\mu\text{m}$;
3. The PTFE coating is extremely hydrophobic and non-sticky, and it can work normally even if it contains a lot of water vapor.
4. Excellent chemical stability, suitable for strong acid and strong alkali working conditions;
5. Good wear resistance, suitable for strong abrasive dust;
6. The structure is compact and has a larger filtration area, which is more than 3 times that of the bag filter;
7. Constant running resistance, maintenance-free;
8. Expected service life ≥ 10 years;
9. Washable.