



Screen fine grid decontamination machine

Purpose:

HW type internal inlet mesh plate fine grid is suitable for solid-liquid separation process. It can be widely used in municipal sewage such as pretreatment process of new construction, reconstruction, water quality upgrading, technical transformation and upgrading sewage treatment plants, advanced treatment process of reclaimed water, industrial sewage such as textile, papermaking and tap water pretreatment process.



Structural principle:

The HW type internal inlet mesh plate fine grid is composed of six parts: frame, drive system, mesh plate system, backwashing system, slag removal system and electric control system. The reduction motor drives the sprocket to rotate, and the sprocket drives the mesh plate to rotate continuously; The sewage enters the grid from the water inlet and is filtered by the mesh plate; The filtered water flows to the outside of the screen plate, and the dirt is intercepted on the inner surface of the screen plate and brought to the top with the continuous rotation of the screen plate; The backwashing system flushes the outside of the screen plate. Under the action of flushing water, the dirt is flushed to the slag receiving tank and flows out of the sewage outlet together with the flushing water.

Stainless steel mesh plate or non-metallic mesh plate is optional:

Non metallic mesh plate: the shaft holes for mesh plate body and mesh plate connection are made of non-metallic mesh material, and the shaft holes for mesh plate connection are located at both ends of the mesh plate body. It is characterized in that the mesh plate body is provided with a long strip gap, which can make the minimum width of the strip gap narrow enough, so as to fully improve the filtering accuracy; In addition, the processing technology of die casting and one-time forming can be adopted, which greatly reduces the machining cost, increases the water passing area by more than 1.4 times compared with the circular pass mesh plate, and increases the water treatment capacity.

Performance characteristics:

- a. High removal rate, which can effectively remove hair and other fibrous substances;
- b. The backwashing water will completely remove the dirt trapped on the screen plate and will not fall into the filtered water to avoid secondary pollution;
- c. The mesh plate adopts non-metallic injection molding parts, which are wear-resistant and corrosion-resistant;
- d. Underwater transmission parts are not set, so there is no need for maintenance, which is more convenient for overhaul and maintenance;
- e. Easily worn parts are fully standardized, easy to replace and easy to operate.
- f. Stable operation, light vibration and low noise.