



Continuous quicksand filter

Technical introduction:

HLS type Continuous sand filter is a continuous filtration equipment. The system adopts the principle of upflow flow bed filtration and single homogeneous filter material. The filtration and sand washing are carried out at the same time. It can operate continuously and automatically for 24 hours without shutdown and backwashing. The ingenious sand lifting and sand washing structure replaces the traditional high-power backwashing system with extremely low energy consumption. The system needs no maintenance, is easy to manage and can be unattended. Due to the above advantages of continuous flow sand filter, it is widely used in the fields of industrial water, advanced sewage treatment and reclaimed water reuse.

Working principle:

Continuous quicksand filter is a kind of high-efficiency filter integrating coagulation, clarification and filtration. It does not need to stop for backwashing; Single stage filter material is adopted, without grading, uneven hydraulic distribution and primary filtrate; Backwashing water pump and electric and pneumatic valves for shutdown switching are not required; There is no need to set a separate coagulation and clarification tank, and there is no need for mechanical equipment for coagulation and clarification. Therefore, the floor area is more compact and the operation cost is more economical.



System characteristics:

Save space and complete sedimentation and filtration functions in the same filter; High filtration efficiency, 24-hour continuous operation, no shutdown and backwashing. Backwashing fan, water pump, valve and other auxiliary facilities are not required;

Low operation cost;

The maintenance is simple, the filter has no rotating parts except the filter material during operation, the failure rate is low and the maintenance cost is saved;

The high-quality filter material is more wear-resistant, reduces the loss and reduces the operation cost;

The system operates automatically and is easy to operate without too much manual operation.

Selection parameter table:

Model	Filtration area (m ²)	Diameter (mm)	Height (mm)	Processing flow (m ³ /h)	Supporting air volume (L/min)
HLS-600	4	2300	6500	25	150
HLS-1000	6	2800	6500	42	250
		2450×2450 (Constructed square tank)	7000		