



Mechanical mixer

Brief introduction

The mixing equipment in water treatment is divided into drug dissolving mixing, mixing mixing, flocculation mixing and clarification tank mixing.

Mixing mixer:

The mixing mixer is used for the mixing stage in the coagulation process of water supply and drainage treatment. When the raw water and coagulant liquid flow through the mixing tank, a flow cycle is generated under the discharge of the agitator, which is the rapid and full mixing of coagulant and water to meet the requirements of coagulation process. Mixing time and mixing intensity are the key to determine the mixing effect.

The mixing mixer can reach a certain mixing strength within the required mixing time, meet the requirements of fast, uniform and sufficient mixing speed, and has small head loss and can adapt to the change of water. Therefore, it is suitable for water plants of all kinds of water.



Dissolving mixer:

The dissolving and stirring equipment is used for the rapid and uniform dissolution of coagulant in the process of water supply and drainage treatment, and is configured into a wet dosing agent with a certain solution concentration.



Flocculation mixer:

The flocculation mixer is used in the coagulation stage of drainage treatment.

The function of flocculation and stirring is to promote the collision and adsorption of colloidal particles in water and gradually form alum of a certain size, so that most of the alum is retained in the sedimentation tank.



Grid mixer:

The grid mixer, also known as frame mixer, is mainly used in water supply mixing tank or flocculation reaction tank. The machine is composed of reducer, reducer frame, main shaft, working bridge (optional when there is no concrete beam), paddle, underwater bearing, etc.



Hyperboloid mixer:

Hyperboloid mixer is a kind of high-efficiency mixing equipment, which is suitable for the mixing of low viscosity liquid and solid, liquid and gas. The hyperboloid structure composed of the working surface of streamline body and wing ribs distributed on the surface fully caters to the working characteristics of fluid. Diving or dry installation can be selected according to the requirements of working conditions. It is widely used in occasions where solid, liquid and gas mixing is required in environmental protection, chemical industry, energy and other industries, especially in coagulation tank, regulating tank, anaerobic tank and other water mixing in sewage (feed) water treatment process.

