

Product Name :
Precipitation and Flocculation**Product Code :**
FUDE0001**Description :**

Precipitation and Flocculation

Technical Specification :

First, raw water is produced in a tank to contain dissolved metal (e.g. iron). A pump transports the raw water to the precipitation tank. Here the precipitant is added (e.g. caustic soda). Due to the reaction of the dissolved metal ions with the precipitant, insoluble metal hydroxides form (solids). From here the water flows into a flocculation tank divided into three chambers.

The purpose of flocculation is to improve the sedimentation properties of the solids. By adding a coagulant in the first chamber the repulsive forces between the solid particles are cancelled out. The solid particles aggregate into flocs (coagulation). To generate larger flocs, a flocculant is then added (flocculation). In the third chamber low flow velocities are present to prevent any turbulence. Turbulence would impede the formation of flocs. The now well sedimentable flocs are then separated from the treated water in a lamella separator. The treated water and the sedimented flocs (sludge) are collected in two tanks.

Flow rate, temperature and the pH value are measured. In addition, the pH value in the precipitation tank can be controlled. For measuring the conductivity an external meter is available. Samples can be taken at all relevant points. The cover of the tank is transparent for the inspection of the treated water.

Equipments Exporters

Website: www.equipmentsexporters.com, **Email:** sales@equipmentsexporters.com

Address: 75, Lajpat Nagar-IV, New Delhi-110024 **Phone:** +91-9311469084

