

DYNAMIC FLOCCULATOR

Sludge Flocculator

DESCRIPTION

The dynamic EQUIP FLOCCU is a mixing cylindrical tank, that has the scope of mixing sludge at maximum concentration of 5% - 6% with diluted polyelectrolyte/polymer.

The operating principle is very simple, the polyelectrolyte is determined with a "T" junction on the inlet sludge flange in order to take advantage of vertical mixer blades effect. The result of these mixing is a perfect flocculation of the sludge; in case of the following machinery can be feed with low pressure, the sludge can flow directly from the upper outlet flange.

In other cases the sludge must need a relaunch or installing a mechanical seal to keep the liquid in pressure. The dimension of the tank will be defined accordingly with flow capacity and retention time of flocculation.



The dynamic EQUIP FLOCCU consists of :

- 1 lower flange for the load with a welded inlet sleeve for polyelectrolyte
- 1 flange for maintenance drain to be connected with blind flange / valve (not included)
- 1 shaft with blades for mixing sludge with polyelectrolyte
- 1 low speed electric agitator (40 RPM) - 230/400 V - 50Hz
- 1 cylindrical tank closed in the lower part in SS 304
- Screw/piston dosing pump for concentrate polymer
- Screw/piston dosing pump for diluted polymer
- 1 upper output flange of the mixed product
- 1 upper closure cover in SS 304 bolted
- 1 regulation pressure valve + Y filter
- 1 inspection window on the top
- 1 Flow meter

