

## How to Install Lamella Tube Settlers

Step 1: Preparing all the tube settlers material and others as clarifier tank design

Step 2: Install Sludge pipe system at the bottom of lamella clarifier

Step 3 : Install the Tube Settlers simple support Sheft

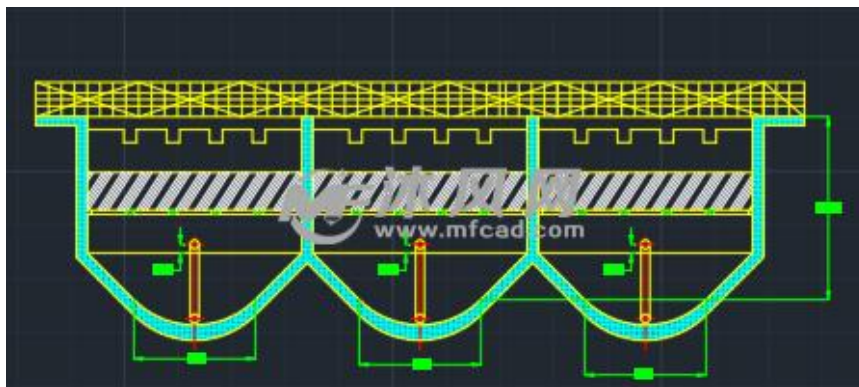
Step 4: Weld of Plastic Sheet into Tube settlers as block

Step 5: Assemble in the Juntai Lamella Tube Settlers into the clarifier Tank

Step 6: Secure The Juntai Tube Settlers with a Rope from above

### Step 1: Preparing all the tube settlers material and others as clarifier tank design

Preparing all the pipe, the tube settlers, the wire, the toolings and lamella clarifier design on the site.



### 2. Install Sludge pipe system at the bottom of lamella clarifier

The installation sequence of the Tube Settlers Clarifier Tank must be starts from the bottom of the tank, and the installation of the mud drainage pipe system at the bottom should be completed at the first step. This is the very important Step, Must be ensure that the opening of the mud drainage pipe meets the lamella clarifier design requirements and is fixed firmly, Check carefully and make sure it is right install before we start next step.



### **3. Install the Tube Settlers simple support Sheft**

According to the construction lamella clarifier design of Sheft support installation for Tube settlers sedimentation tank, the Sheft support should be installed in place first, check that all welding joints are firm and the strength of the Sheft support is enough to bear the weight of the Tube settlers ,the Mud and the sheft together, then start anti-corrosion treatment on the surface of the Sheft support. The Anti Corrosion is important and must.



### 3. Weld of Plastic Sheet into Tube settlers as blocks

Welded the PP sheeting into Tube settlers as blocks According to the welded method of Juntai Lamella Tube Settlers, each Juntai Lamella Tube Settlers is packaged as a separate welded unit. After the welded of a unit is completed, it is 1m<sup>2</sup>. After the welded it is stacked neatly on the field (a small amount of loose pieces are reserved for future use).



#### **4, Assemble in the Juntai Lamella Tube Settlers into the clarifier Tank**

Assemble the Tube settlers blocks from left to right on the upper part of the Shaft Support. Keep the Angle of  $60^\circ$  unchanged all the time, each unit should be properly pressed when assembling sequentially. If the size is not exactly appropriate when assembling to the right side, it is necessary to use loose Tube settlers according to the size and then assemble until it is all in place.



#### **5. Secure The Juntai Tube Settlers with a Rope from above of lamella clarifiers**

Since the Gravity of Juntai Lamella Tube Settlers is  $0.92\text{g/cm}^3$ , slightly less than that of water, In the first days of the Lamella Tube Settlers is assembled in place in the tank, we can use 10 mm round steel pulled above the tube settles from left to right for reinforcement (two round steel should pass through the upper part of each unit tube settlers), and both ends of the round steel should be fixed reliably on the Clarifier tank wall. After the installation of round steel can be very good to prevent the Juntai inclined tube settlers in the early use of the possible loose floating phenomenon, round steel with epoxy coal asphalt anti-corrosion.



## 6. Run and debug the inclined tube sedimentation tank

- (1) Check whether the water is even, and do not impact the tube settlers sedimentation tank and affect the precipitation effect;
- (2) Adjust the height and levelness of the outlet weir groove to an appropriate level to keep the outlet water uniform;
- (3) After the above construction process, the installation of tube settling tank has been completed. After normal use, it is necessary to determine the sludge discharge period according to the concentration of suspended matter in the water, and pay attention to the timely discharge of mud to ensure that the tube settler sedimentation tank always maintains a good operation state and satisfactory effluent quality.



More can be check the movie.