



JUNTAI UV TUBE SETTLER

SOLUTIONS FOR ENHANCED SEDIMENTATION

The Highest Quality Tube Settlers in China
Juntai Four Guarantee For Quality Control

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Hangzhou Juntai Plastic Products Co.,Ltd.



Juntai Company Introduction

Hangzhou Juntai Plastic Products Co. Ltd. , was founded in 2013 and we are aim to offer the high quality plastic parts for water treatment .We established Anhui Juntai Technology Co., Ltd in Anhui in 2016. As a supplier and manufacturer for MBBR Bio Filter Media, UV Tube Settlers , Disc diffusers, tube diffusers ,PVC profiles and others plastic products for the water treatment, we won the National high-tech enterprise in 2019 and has 35 patents.

We have a 21000 square meter factory in Yuexi Anhui; 105 fully automatic MBBR production lines,7 lines of UV Tube Settlers, and 15 lines of injection for Disc and Tube diffusers . The annual export of MBBR and UV Tube Settlers is 100 000 cubic meters; the annual export of PVC profiles is 5000tons. We have passed some certifications, as ISO9001-2015, SGS, ROHS,FDA standard Goods. Most of the production is vented to Canada, Mexico, Guatemala, Argentina, France, The Netherlands, Sweden, Italy, Taiwan China, etc. The annual sale is \$15 million.

We are committed to becoming a large-scale comprehensive enterprise, involved in MBBR filler production, sales, and water treatment design consulting. The MBBR technology widely used in Industrial and municipal wastewater treatment; recirculation aquaculture system(RAS), etc.other water treatment filed. We have professional environmental engineers of 20 years experience, cooperated with many domestic universities to ensure high quality while ensuring better service. We have been recognized and trusted by our customers, we insist on establishing a career with precision, winning with high quality, and treating each other with sincerity. We look forward to cooperating with you!



Juntai UV Tube Settlers Highest Quality In China and Juntai offer Four Guarantees for the Quality

Start a career with essence, win through high quality .



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Juntai Company

8 Certifications

1. Business License
2. High Tech Enterprise Certification
3. Municipal Certification Enterprises
4. Corporate Credit Rating 3A
5. Certificate of Registration of Trade Mark
6. Certificate of Knowledge Product Management
7. ISO 9001 Certification
8. Patents Certifications



Juntai UV Tube Settler **13** Certificates

1. Juntai UV Tube Settlers SGS **FDA**(For **Drink Water**)
2. Juntai UV Tube Settlers SGS **-RoHS**
3. Juntai UV Tube Settlers **Free Phthalate** Certificate
4. Juntai SGS Density **VOC**
5. Juntai Tube Settler **Material Food Package**
6. Juntai UV Tube Settlers **MSDS** polypropylene
7. Juntai UV Tube Settlers **UV inhibitor certificate**
8. Juntai UV Tube Settlers Quality Guarantee Agreement
9. Tube Settles Test Data
10. Specs of PP for UV Tube Settlers
11. Tube settler test report
12. Juntai UV Tube Settlers Material Guarantee
13. The Delivery Time Warranty

F D A

R O H S

Free Phthalate

UV Certi

Food Package

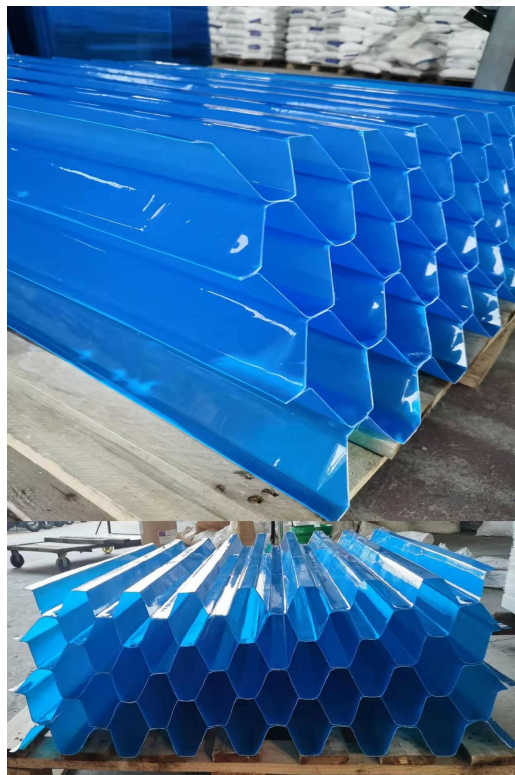
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JUNTAI UV TUBE SETTLER

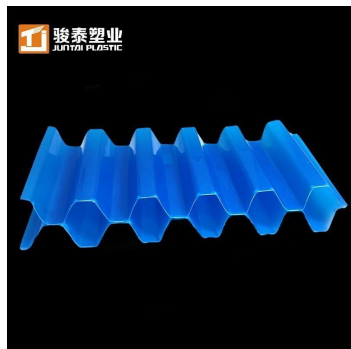
Juntai UV tube settler systems are meet the most needs of any treatment facility.

- 1.The strongest Hexagon honeycomb moldes increase allowable flow capacity from the increase settling area and add the solids removal rate in Sedimentation tanks.
- 2.The Hexagon Honeycomb moldes is the stable and strongest mold with the biggest settling area which make the the settling rate is about 4 to 6 times as before.
- 3.By install and use the Juntai UV Tube Settlers, we can increase flow and performance of existing water treatment plants and waste water treatment plants, and at the same time, it can down the operating costs with less filter back washing.
- 4.New installations with UV Tube Settlers have smaller footprints and can accommodate greater flow in the same area , the Hexagon honeycomb UV Tube Settlers can be added to up flow or solids contact Sedimentation to improve performance and handle flow increases.
- 5.Unlike plate settlers, JUNTAI tube settler modules can be trimmed to exact specifications for full basin coverage.

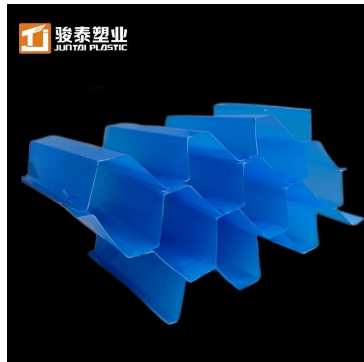


Juntai UV Tube Settlers Highest Quality In China and Juntai offer Four Guarantees for the Quality

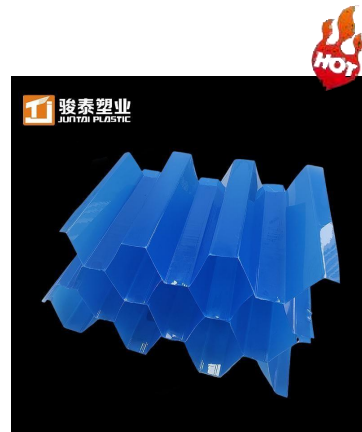
JUNTAI UV TUBE SETTLER



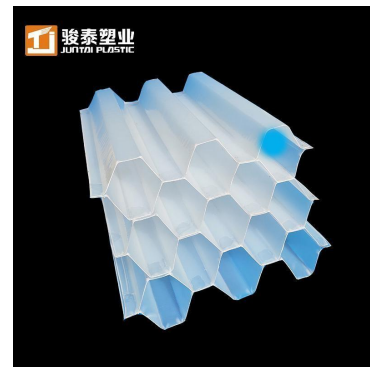
TL25PP



TL35PP



TL50PP



TL80PP

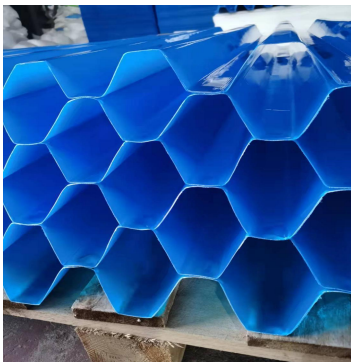
100% virgin New Material with UV Protector/ FDA standard with SGS certificate

1. Sedimentation for Drinking water Purification
2. TSS removal and particle separation
3. Upgrade of existing sedimentation tanks
4. Cleaning wash water recycled from vehicle wash systems at quarries and construction sites.
5. Tertiary or secondary clarification for municipal WWTP
6. Waste water treatment, surface water treatment and solids/liquid separation.
7. Examples of process waste water applications:
 - Desalination,
 - Food and beverages
 - Heavy metal Waste Water
 - Pulp and paper
 - Petrochemical and Process water
 - Pharmaceutical and Chemical
 - Steel, Machinery, Mining and more

All Kinds of Sedimentation and Clarifier and Sand Basin Can be installed

Juntai UV Tube Settler Systems

Juntai Tube settler systems are an **inexpensive solution** for drinking water and waste water plants to increase treatment capacity, reduce new installation foot prints, improve effluent water quality, and reduce operating costs.



Stronger Hexagon Honeycomb Modules

Robust PP tube settler modules can be easily supported with minimal structures that often incorporate effluent troughs and baffles.

Save Assembled Labour easy on the site

Juntai UV Tube Settlers can be easily assembled on site, and there is only need two workers in 6 hours to finished 100CBM into settler block. And a small amount of loose pieces are reserved for installation use later.



Save Assembled Tooling Cost

Juntai Offer The assembled technology and the plastic welded gun and technogy for UV Tube Settlers Assembled. To make sure every block was Assembled righttly .



Economical and Simple SUPPORTS Shelves

Juntai offers technogy and drawing of the tube support shelves. It is simple and stronger support system, economical system



Quickly Install into the tank

Assemble the UV Tube Settlers blocks from left to right on the upper part of the Sheft Support. Keep the Angle of 60° 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 UV Tube Settlers according to the size and then assemble until it is all in place..

There is about two workers can installed 200 CBM in a working day

Fixed Juntai UV Tube Settlers easily

After the UV Tube Settlers installed, the density of the material is 0.92g/cm³, it will be floating before in a first few days, so we need fixed the UV Tube Settlers by stainless steel ropes or Nylon ropes



Robust in operation and maintenance

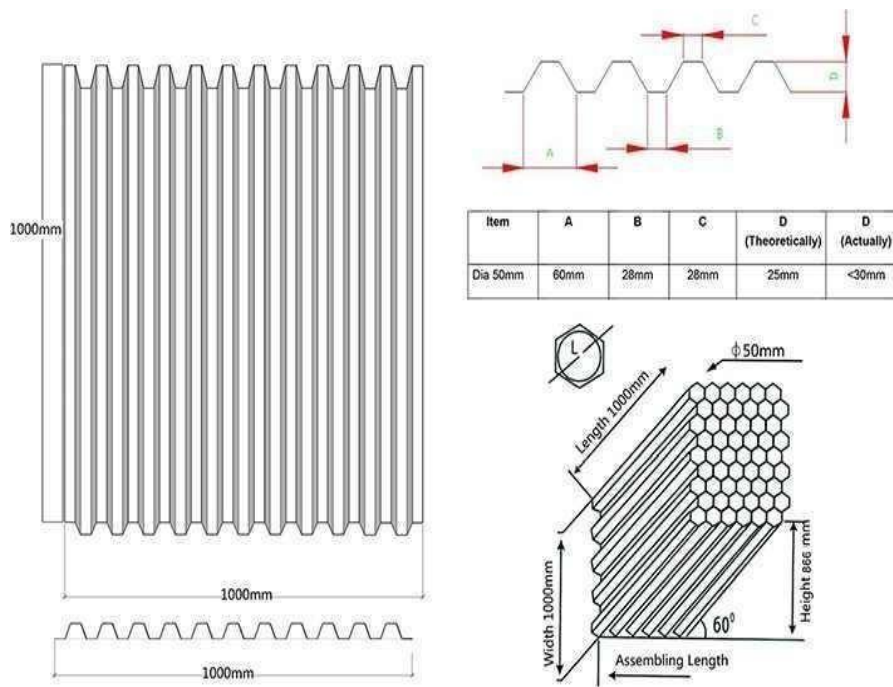
After the UV Tube Settlers installed, Don't need do anything , it is stable and easy operation daily.



Longer Service Life

Juntai UV Tube Settlers can be used under the water for 5 to 10 years, if there is no straight sunlight, it can be longer life

Tuntai UV Tube Settler Detail Sheet



Material:	100% New PP with UV protector
Applications:	WTP/WWTP
Color:	Blue Color
Molding method:	Electric soldering iron
Installation angle:	60°
Service life:	5 to 10 years
Usage frequency:	Commonly used
Operating temperature:	-10~70°C
Proportion g/cm3:	0.92
Features:	Flexible and easy to float
Produce way:	Factory prefab
Standard packaging:	Packing strap/wooden box
Special specifications:	Customer-defined

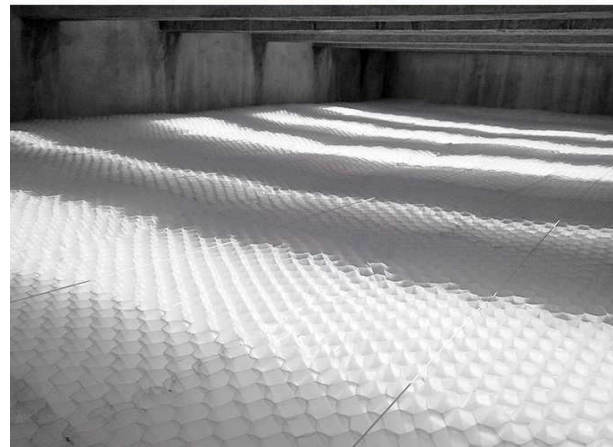


Juntai Hexagon Honeycomb UV Tube Settlers

Advantage (compare to other kind of locked or glued Settlers)

1. Resistant to impact
2. Resistant to sun light with UV Protector
3. Dust and germs proof
4. Made from premium material meeting high quality requirements
(The Highest quality UV Tube Settlers In China)
1. Shipped by sheets, save the freight of transporting
2. Store with Pallets, Save the cost and place of the store
3. Easy welded into block on site
4. Easy install into Sedimentation Tank (save the the cost and labour for Assemble
5. Longer Serve Life for 5 to 10 years
6. Juntai Offer the Four Guarantee for the quality control
7. Worldwide delivery thanks to easy and reliable on-site module-assembly
8. Friedly materail can be drinking water.

We have many national and international references (Used in municipal water treatment plants)

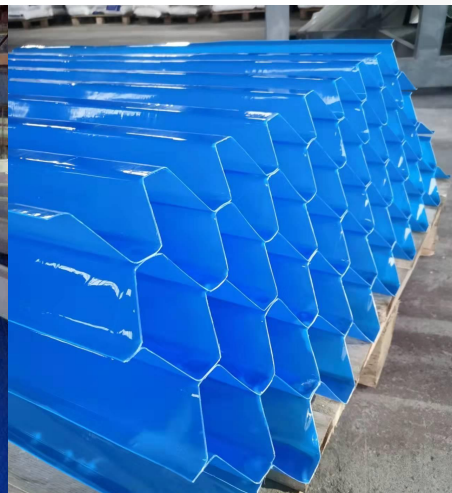


Juntai UV Tube Settlers Highest Quality In China and Juntai offer Four Guarantees for the Quality

Juntai UV Tube Settlers

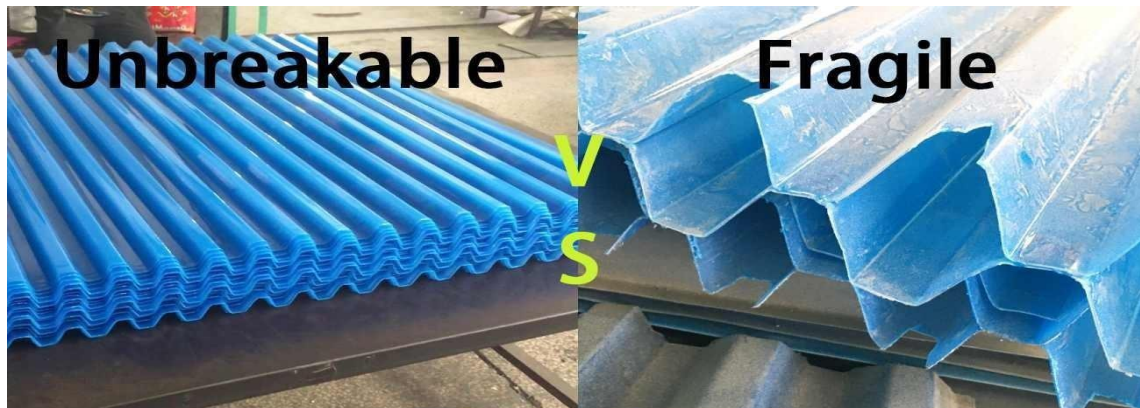
Advantage (comparing other items in China Market)

1. new PP Without any Recycle material
- 2.The cutting angle is neat and flat,making it the UV Tube Settlers more stable and firm
3. Packed in a black bag for UV protection
4. Juntai Guarantee 100% thickness
- 5.No sand holes or bubble holes in the sheet
- 7.Easy to weld, high strength, save labour cost
8. Glossy surface,high quality
- 9.Light Blue color,Make the water in settle tank more clear.
10. Easy maintenance



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Domestic and International Quality Comparison



JUNTAI TUBE SETTLER

LOW QUALITY TUBE SETTLER

Juntai Tube settler compare to other UV Tube Settlers

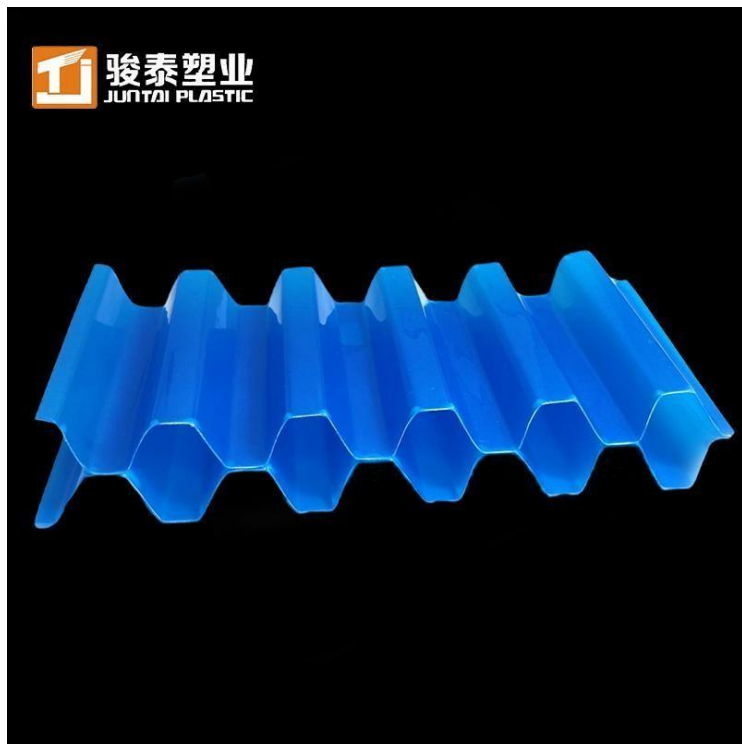
Easy to weld on site, two workers can weld up to 50 CBM per day.	Needs to be locked on piece by piece, with a lot of labour on site
Hexagonal shape is more stable than other shapes	Not easy to replace
Small area, easy to de-clay	Higher cost
Very strong and long lasting + simplest support system	Not easy to install on site

Juntai UV Tube Settlers compare to others which from China market:

1. We use 100% Virgin PP
2. We use PP with UV protectors
3. We can use it for 5 to 10 years
4. Can be used for drinking water, with SGS certificate
5. Installation support and welding support
6. Stronger with wall thickness up to 1.0mm

Other UV Tube Settlers in China Market

1. Some filler will be added to the material
2. Only PP material, no UV
3. Serve Only 3 to 5 years
4. No certificate, can not sure safe for drink water
5. Some have welded problem because not new or virgin material



Name: TL25PP Diameter: 25 mm Wall thickness: 0.5mm

Color : Blue or white

Material: 100% New PP with UV protector

Piece Per CBM: 42 piece

Resistance : UV, Chloride, Acid, Oil

Certificate: FDA standard with SGS certificate,

Fulfills all drinking water requirements like eg NSF, KTW, ACS,

DWI 31 Gravity: 0.92g/cm³ Slope: 60°

surface area: more than 120 m²/m³

Block size: 1mX 1mX height(0.6m to 1.2m)

Continue operation temperature: 70 degree

Max operation temperature: 80 degree(short time)

Sedimentation Area: 12 m²/m³

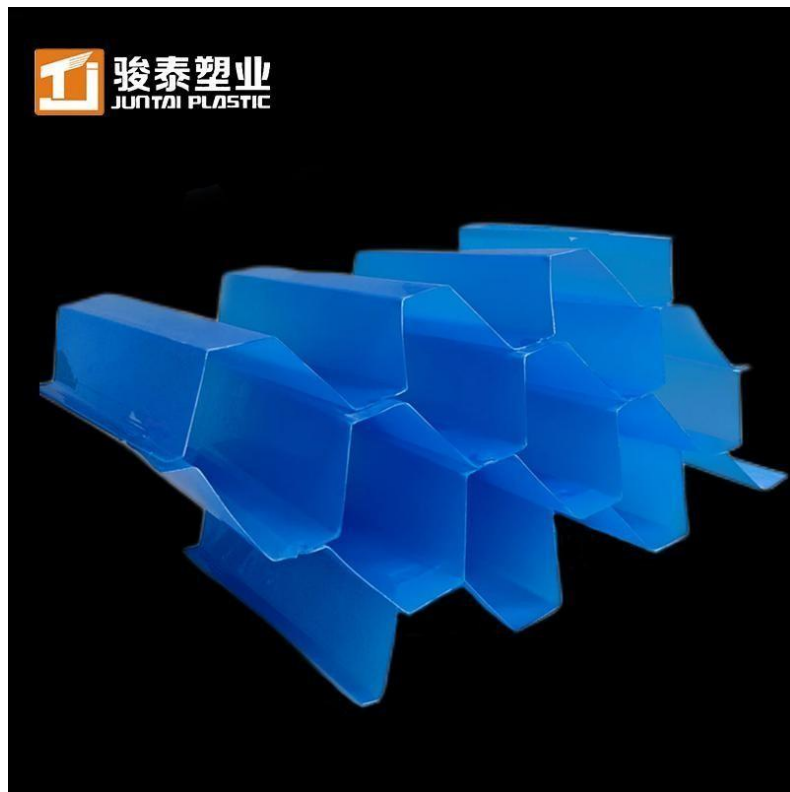
Assembled : by plastic welded gun on site

Application: Carifier or Sedimentation for drink water, municipal and industrial waster water treatment

Service Life: 5 to 10 years

Very robust and longlasting + simplest support system

TP25PP Special size for WTP for Drink water treatment



Name: TL35PP Diameter: 35 mm

Color : Blue or white

Material: 100% New PP with UV protector

Piece Per CBM: 40 piece

Resistance : UV, Chloride, Acid, Oil

Certificate: FDA standard with SGS certificate,

Fulfills all drinking water requirements like eg NSF, KTW, ACS, DWI 31

Gravity: 0.92g/cm3 Slope: 60°

surface area: more than 105 m2/m3

Block size: 1mX 1mX height(0.6m to 1.2m)

Continue operation temperature: 70 degree

Max operation temperature: 80 degree(short time)

Sedimentation Area: 10 m2/m3

Assembled : by plastic welded gun on site

Application: Carifier or Sedimentation for drink water, municipal and industrial waster water treatment

Service Life: 5 to 10 years

Very robust and longlasting + simplest support system

Items No	TL35PP05	TL35PP07	TL35PP10
Wall Thickness	0.5mm	0.7mm	1.0mm

TP35PP Special Size used in Municipal and Drink water treatment

JUNTAI TUBE SETTLER Introduction

TL50PP

Name: TL50PP Diameter: 50 mm

Color : Blue or white

Material: 100% New PP with UV protector

Piece Per CBM: 30 piece

Resistance : UV, Chloride, Acid, Oil

Certificate: FDA standard with SGS certificate,

Fulfills all drinking water requirements like eg NSF, KTW, ACS, DWI 31

Gravity: 0.92g/cm³ Slope: 60°

surface area: more than 95 m²/m³

Block size: 1mX 1mX height(0.6m to 1.2m)

Continue operation temperature: 70 degree

Max operation temperature: 80 degree(short time)

Sedimentation Area: 9m²/m³

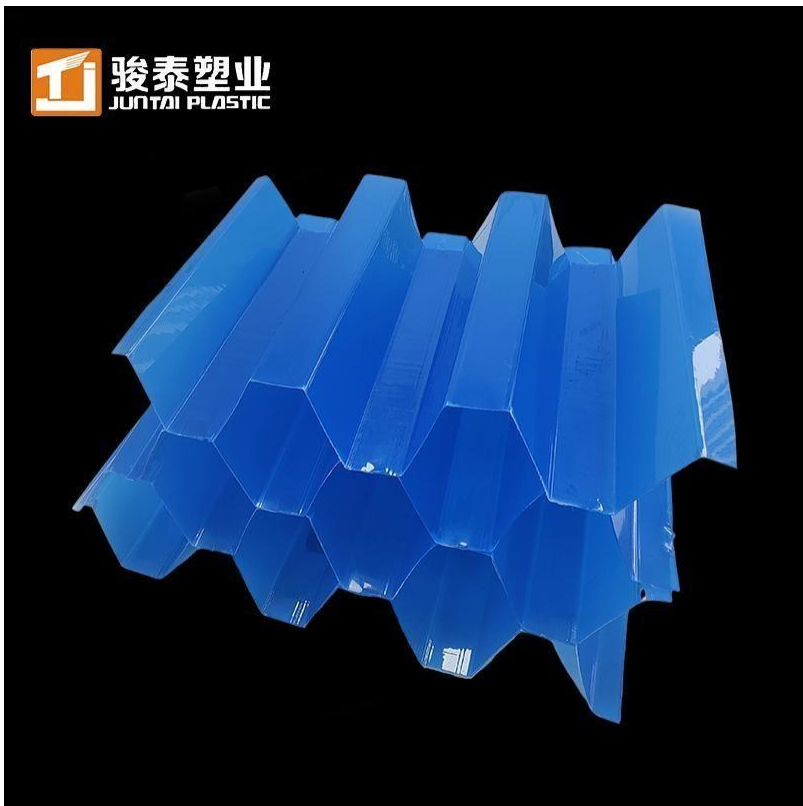
Assembled : by plastic welded gun on site

Application: Carifier or Sedimentation for drink water, municipal and industrial waster water treatment

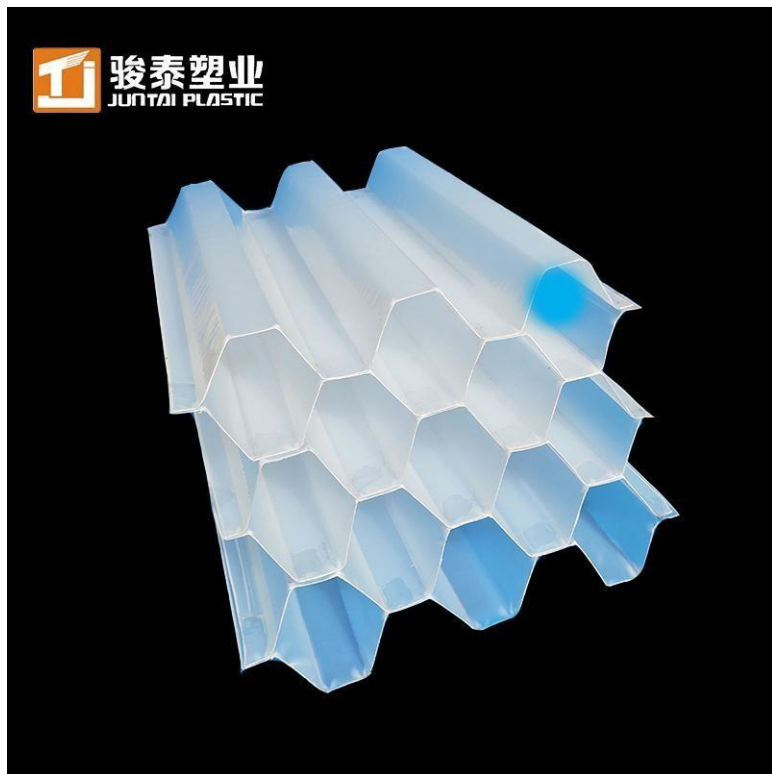
Service Life: 5 to 10 years

Very robust and longlasting + simplest support system

Items No	TL50PP05	TL50PP07	TL50PP10
Wall Thickness	0.5mm	0.7mm	1.0mm



TP50PP, This Size is fit for Indurstariand Municipal WWTP, it good use for most WTP and WWTP



Name: TL80PP Diameter: 80 mm

Color : Blue or white

Material: 100% New PP with UV protector

Piece Per CBM: 20 piece

Resistance : UV, Chloride, Acid, Oil

Certificate: FDA standard with SGS certificate,

Fulfills all drinking water requirements like eg NSF, KTW, ACS, DWI 31 Gravity:
0.92g/cm³ Slope: 60°

surface area: more than 95 m²/m³

Block size: 1mX 1mX height(0.6m to 1.2m)

Continue operation temperature: 70 degree

Max operation temperature: 80 degree(short time)

Sedimentation Area: 7m²/m³

Assembled : by plastic welded gun on site

Application: Carifier or Sedimentation for drink water, municipal and industrial
waster water treatment

Service Life: 5 to 10 years

Very robust and longlasting + simplest support system

Items No	TL80PP08	TL80PP10	TL80PP12
Wall Thickness	0.8mm	1.0mm	1.2mm

TP80PP Tube, This Special big Size is fit for Mine WWTP and other similar high and big SSL water

Welding Methods



How to perform the scalping operation of Juntai UV Tube Settlers?

1. Open the packing of the the tube settlers sheet, put the first sheet flat on the ground, take the second sheet on top of the first piece of filler, check the incision of the block, it must ensure 60 angles, and is hexagonal honeycomb, after checking is correct, start to iron the bonding point;
2. In the hexagonal honeycomb at both ends of all the plane joints must be connected, both sides of the two pieces of plane seam requires frequency connection of more than four points, in the middle of the two pieces of slant sheet requires welding more than four points, to ensure that the welding solid;
3. Pay attention to the rhythm of operation when hot jointing, control the temperature, hot jointing points shall not be omitted;
4. Each block as a separate ironing unit, ironing completed in the field - neatly stacked;
5. Midway break must cut off the power supply of the soldering iron, and to be placed safely;

Juntai offer UV Tube Settlers Sedimentation design and technology

Cut Methods



1. Heat the electric heating wire used for cutting

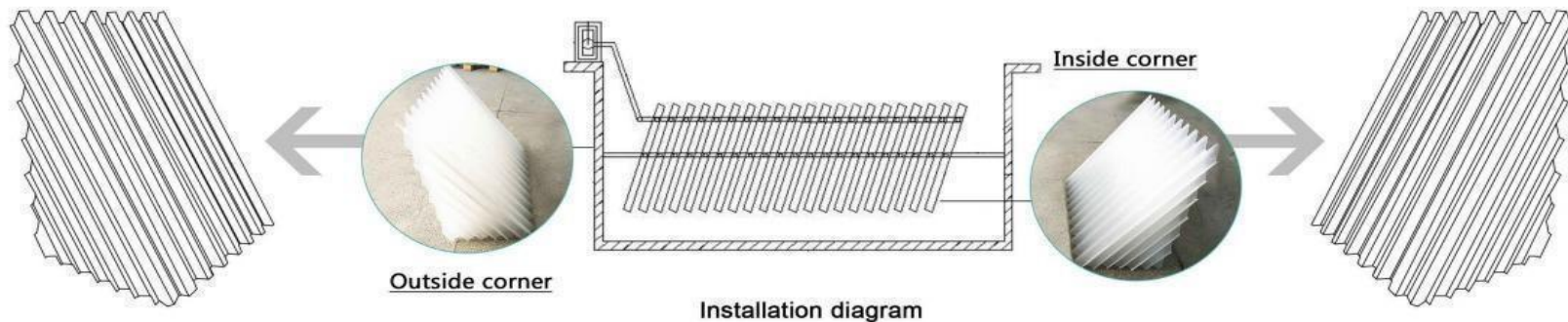


2. Use the Heating wire to cut the finished product along the diagonal



3. After cutting

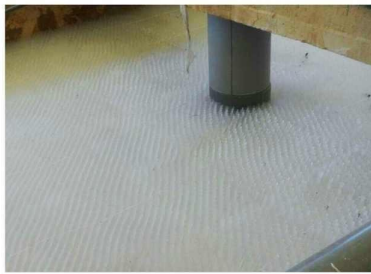
Detail: Inside corner and outside corner display



Guarantee high quality UV Tube Settlers ,Juntai also offer the design and install including the support design ,More contact us

info@juntaiplastic.com

Installation Method ①



Juntai UV Tube Settlers Highest Quality In China and Juntai offer Four Guarantees for the Quality

Installation method of inclined UV tube Settlers:

1. Install mud discharge pipe at the bottom of the sedimentation tank

The installation sequence of UV Tube Settlers sedimentation tank generally starts from the bottom, and the installation of the mud drainage pipe system at the bottom should be completed first. Ensure that the opening of the mud drainage pipe meets the design requirements and is fixed firmly, and check without error before entering the next installation process.

2. Complete the installation of Settlers support

According to the construction drawing of packing support installation for inclined pipe sedimentation tank, the Settlers support should be installed in place first, check that all welding joints are firm and the strength of the support is enough to bear the weight of the Tube settlers, and complete anti-corrosion treatment on the surface of the support;

3. Complete the ironing of Juntai UV tube settlers.

According to the ironing method of inclined UV Tube settlers, each one is packaged as a separate ironing unit. After the ironing of a unit is completed, it is 1m². After the ironing, it is stacked neatly on the field (a small amount of loose pieces are reserved for future use).

4 Juntai UV Tube Settlers pool assembly

Assemble the scalded packing unit from left to right on the upper part of the Settlers Support.

Keep the Angle of 60° 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 sheet UV tube settlers according to the size and then assemble until it is all in place.

5. The upper part of the UV Tube Settlers is fixed

Since the proportion of UV tube settlers is 0.92, slightly less than water, after the UV tube settlers is assembled in place in the tank, 10mm round steel should be pulled above the packing from left to right for reinforcement (two round steel should pass through the upper part of each unit packing), and both ends of the round steel should be fixed reliably on the sedimentation tank wall.

After the installation of round steel can be very good to prevent the UV tube settlers in the early use of the possible loose floating phenomenon, round steel with epoxy coal asphalt anti-corrosion.

Example of treatment for Papermaking wastewater:

Address: No.3 Longwan Road, Development

Zone, Fuding, Ningde

Capacity: 10000m³/day

Treatment process: bio-treatment

-Chemicals(pac+decolor+pam)

Dosage: PAC 150mg/L

decolor 150mg/l, PAM 1mg/L

Time: June 10th, 2020



The effectiveness is shown in the following table:

Index	COD(mg/L)	Chromaticity(Pt-Co)	PH	SS(mg/L)
Before treatment	550	800	8.0	200
After Treatment	230	30	7.6	40
Removal rate	58%	96%	---	80%

Example of treatment for Printing and dyeing wastewater:

Address: No. 286 Taixing Road, Economic and Technological Development Zone, Creek Town
Factory: one of Jiangsu dyeing factory (active dyes)
Capacity: 5000m³/day

Treatment process: bio-treatment-
Chemicals (pac+decolor+pam)

Dosage: PAC 150mg/L, decolor 200mg/L,
PAM 1.5mg/L

Time: April 15, 2019

Tube Settlers Item: TL50PP08



The effectiveness is shown in the following table:

Index	COD(mg/L)	Chromaticity(Pt-Co)	PH	SS(mg/L)
Before treatment	350	1500	7.8	80
After Treatment	120	35	7.5	30
Removal rate	66%	98%	---	63%

JUNTAI MBBR BIO MEDIA



MBBR37

Patent NO.: ZL2020
30141332.8



MBBR19

Patent NO.: ZL2020
30141332.8



MBBR61



MBBR64



MBBR08



MBBR05



MBBR06



MBBR04



MBBR40

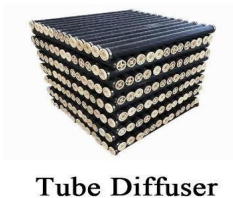


MBBR19-2

Juntai try to be the first and biggest supplier of MBBR media in China in two years with high speed production

Juntai Main Water Treatment Plastic Parts

1. MBBR Media
2. UV Tube Settlers
3. MBR Membrane
4. Spong Bio Media
5. Smart Disc Diffuser
6. Smart Tube Diffuser
7. Dissolved Air Flotation
8. MBBR Mixing
9. Ro Antiscalant





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