

高密度循环水小型微滤机水产养殖过滤器

High density circulating water micro filter aquaculture filter

The varieties involved include salmon, Chinese sturgeon, jade perch, perch, mandarin fish, four gill perch, *Monopterus albus*, loach, bamboo shoot shell fish, yellow bone fish, grass carp, koi, lobster, Aolong, *Penaeus vannamei*, *Macrobrachium*, river shrimp, grass shrimp, Jinxiu, grouper, Baogong, golden drum fish, green crab, flower crab, shuttle crab, octopus, razor clam, etc. Main products: microfilter manufacturers, aquaculture microfilter, aquaculture protein separator.



Introduction of automatic microfiltration machine for aquaculture

The automatic drum microfiltration machine uses the internal rolling drum for filtering, and the external drum is customized by stainless steel 316L filter screen. A stainless steel drive motor is installed outside the product to drive the drum to rotate and filter. The top of the product is a row of automatic sprinklers, and the bottom is equipped with a booster pump. Through boosting, the water is sent to the sprinklers to clean the filter screen. A water level sensor is installed inside. Through the water level sensor, the external control system will adjust the automatic microfilter accordingly. The automatic drum microfiltration machine has three interfaces, the big one is the water inlet, the middle one is the water outlet, and the other one is the sewage outlet. The design is professional and easy to use.

Product features:

2. The roller is designed with two shafts, so the force is small and the rubber skin will not be worn unevenly.
3. The roller is driven by gear, which is not easy to be damaged and has long service life.
4. The automatic backwashing water level control of the equipment is not easy to block, and the automation is high

Water treatment of aquaculture plant, swimming pool, chemical plant, aquaculture, high-density aquaculture, seedling and other aquaculture wastewater, wastewater and other fields.

power

220Vkw

Sewage treatment capacity

Customized product m³ / h

Specifications

10T 20T 30T 200T









Automatic box drum microfiltration machine box drum microfiltration machine for high density cultured bass



How it works

The automatic box type drum microfiltration machine is mainly composed of box component, drum component, anti-cleaning system and electric control box system. The water flow rate is less than 30m³ / h, and it is made of corrosion-resistant PVC material

Installation instructions

1. The microfilter can be connected in series in the pipeline, or supplied by water tower or water pump (the inlet and outlet pipes can be equipped with butterfly valves to control the water inflow and outflow).
2. The microfilter should be placed stably.
3. When the drain outlet of the collection tank is connected with the drain pipe, there should be a certain high level difference to ensure that the cleaned dirt can be discharged in time.
4. After the box outlet is connected with the pipe, there should be a certain high level

difference to ensure that the filtered water has a certain flow rate in the pipe.

5. Power supply voltage: 380V / 220V; 50 Hz.

6. After the power supply is connected, manually test run the anti cleaning water pump, and check whether the rotation direction of the pump motor impeller is consistent with the direction indicated by the pump body. Note that the idling time should not exceed 5 seconds. (special attention: after installing the power supply, make sure that the rotation direction of the pump motor impeller is consistent with the direction indicated by the pump body, otherwise the pump will be damaged.)

7. After the pipe fittings are connected, the water test shall be conducted, and the electric control box system and anti cleaning system shall be put into trial operation manually. Adjust the spray angle of each nozzle so that the spray water line is parallel to the axis of the drum, and check whether the water from the anti cleaning nozzle is injected into the collection tank. (special attention: during operation, the water in the microfiltration cabinet shall not be lower than the water level line, so as to avoid damaging the backwashing water pump due to lack of water.)

Operating instructions

1. The drum should run smoothly and without noise during single machine trial operation.
2. Open the water supply valve and control the inflow flow to be \leq the corresponding rated flow.

3. The anti cleaning water pump is equipped with a water outlet control valve. In daily life, only 2 / 3 of the valve needs to be opened for cleaning. When the drum is seriously blocked by dirt, the valve can be fully opened for spray cleaning.

4. Operation guide of electric control box: turn on the main switch. When the reducer switch and the water pump switch are in the automatic state, the back cleaning water pump and the roller motor are automatically controlled by the liquid level switch; when the pump switch and the reducer switch are in the stop state, the back cleaning water pump and the roller stop working; when the reducer switch and the water pump are in the manual state, the back cleaning water pump And the roller is manually controlled by the switch.











Aquaculture circulating water filtration protein separator
5T, 10t, 20t, 30t, 50t, 80t, 100t, 120t, 160t and 200t can be selected.



A new type of automatic backwash drum microfiltration machine

The new automatic backwash drum microfilter is a microfilter upgraded from the barrel microfilter, also known as drum filter. It not only improves all the advantages of the first generation drum microfilter, but also makes targeted improvements according to the feedback of a large number of customers. So that its various performance indicators are close to each other.



Equipment structure and basic principle

The microfilter uses a rotatable stainless steel drum to filter. There is a dense 316L stainless steel screen outside the drum. The drum can be driven by a motor through a gear. On the outside of the microfiltration box, there is a pressurized water pump composed of a plastic pump shell. The pressurized water pump is connected to a row of plastic nozzles. Inside the box, there are two water level controllers, which can transmit the signal to the control box according to the change of water level. The control center in the box will effectively control the relevant equipment. There is a large diameter water inlet, a small diameter water outlet and a sewage pipe on the box. The water pump is installed behind the pump. All automatic devices of the microfiltration machine are controlled by the control box outside the microfiltration box.

Features of microfiltration equipment:

1. The utility model has the advantages of simple structure, stable operation, convenient maintenance and long service life.
2. The filtration capacity is large, the efficiency is high, and the fiber recovery rate of wastewater is more than 80%.
3. Small area, low cost, low speed, automatic protection, easy installation.
4. Automatic continuous work, no need for special care.
5. It can be used instead of mechanical grille and other coarse filtration equipment.

Maintenance of microfilter:

1. It must be used when the equipment is in normal working condition.
2. The transmission gear is oiled once a shift, and the supporting roller bearing is oiled once a month.
3. It is recommended to carry out maintenance once a year or so.

After sales service commitment of microfilter:

1. The quality guarantee period of the supplied equipment is one year, and the company will maintain it for life.
2. Provide the random spare parts and vulnerable parts required to ensure the normal operation of the equipment within the warranty period.
3. Visit the users regularly to understand the operation of the equipment and ensure the normal operation of the equipment.
4. Jiangsu Chaozhong Fishery Machinery Co., Ltd. has an experienced after-sales service team to provide professional installation technology and equipment debugging for new and old users, so as to ensure the normal operation of the equipment.

Use of dehydrator.

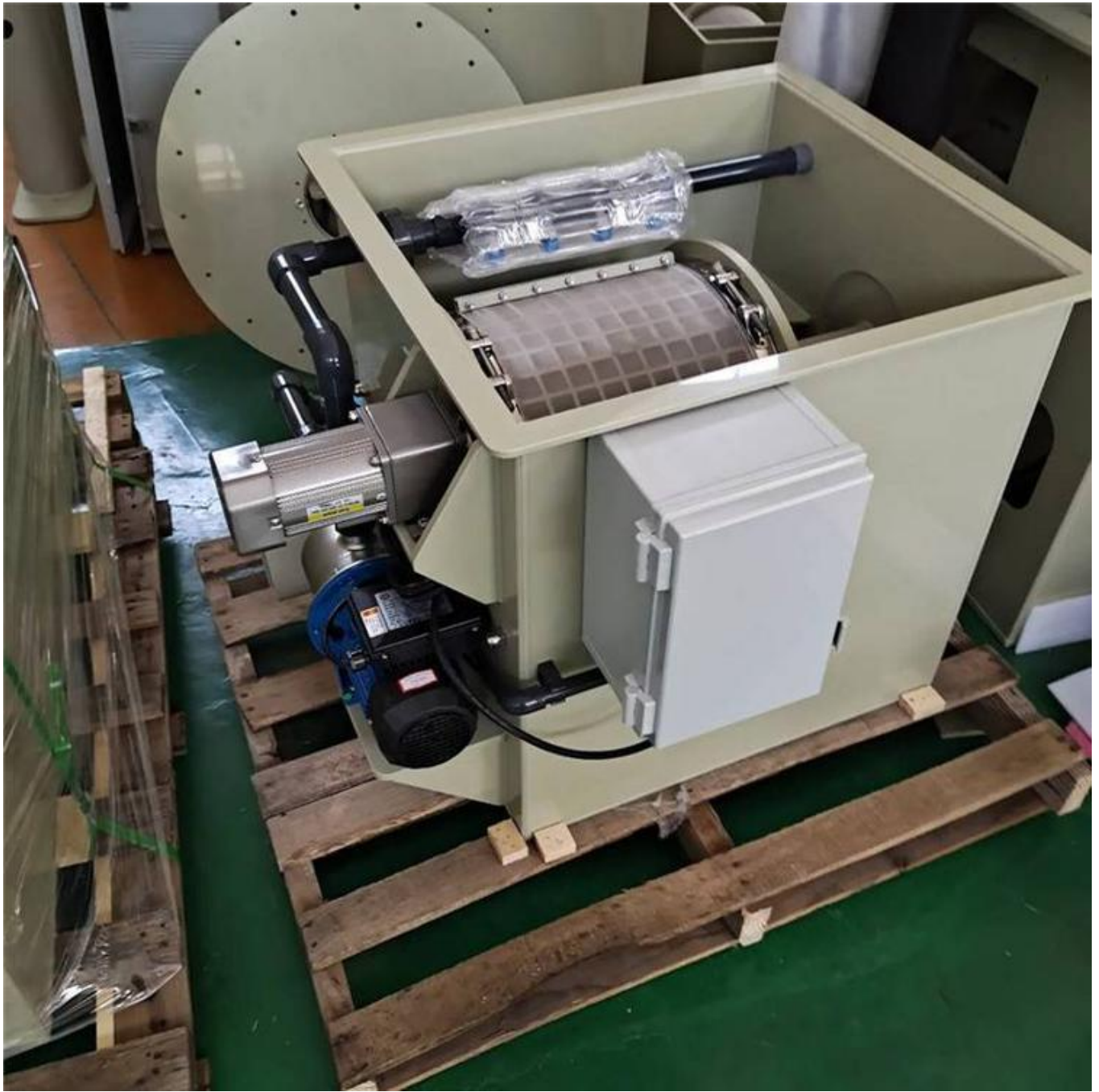
Strengthen the advantages of microfiltration machine:

1. The micro filter has small head loss and energy saving.
2. Exquisite structure and small floor area
3. Automatic backwashing device, stable operation and convenient management.
4. Special microfiltration machine for factory mariculture.
5. Material 316L stainless steel, high temperature corrosion resistant material, enhance the corrosion resistance of seawater
6. Special filter for aquaculture

Application industry

Aquaculture, sewage treatment plant, chemical plant, food plant, etc









200 tons of submerged micro filter for Koi in landscape pond

The microfilter should be placed at a level with the water surface to be treated. The sewage flows into the drum of the microfilter. After the drainage pump starts, the water level outside the drum will drop, and the water will flow from the inside to the outside of the drum. The dirt in the water is intercepted by stainless steel screen. After running for a period of time, more and more dirt is intercepted by stainless steel screen, and the resistance to water flow is increasing, but the drainage flow has not been reduced because of the stable operation of the pump, so the water level outside the drum continues to drop. When the water level drops to the position where the water level controller is located, the water level controller will transmit the electrical signal to the control center, which will start the drum motor and the pressurized water pump. The drum starts to rotate slowly. At the same time, the high-pressure water pump pumps out the high-pressure water from the nozzle. The high-pressure water washes away the dirt adhering to the screen. The dirt is collected by the dirt collection tank in the barrel and then discharged from the sewage pipe. Complete the solid-liquid separation process

When the dirt inside the barrel is washed, with the rotation of the barrel, the water level inside and outside the barrel remains flat. The microfilter goes to the next cycle.

instructions

2. In addition, the upper edge of the microfilter box should be higher than the water surface of the water to be treated, so there is no need to worry that the water will overflow the microfilter

4. When the circuit of the microfilter is short circuited, the leakage switch in the control center will automatically stop power supply.

Specification parameters:

PP / PVC / 316L stainless steel / nylon size is not the same, 60t / h specific size consultation customer service

Filtration accuracy:

Control mode: water level control / manual control can be converted. 1. Simple structure, stable operation, convenient maintenance and long service life. 80%.

4. Full automatic continuous work, no need for special care, recycled fiber concentration up to

5. It can replace thickener and rotary screen dehydrator by changing different mesh screen.

6. Special filter for aquaculture

Parameter specification

power

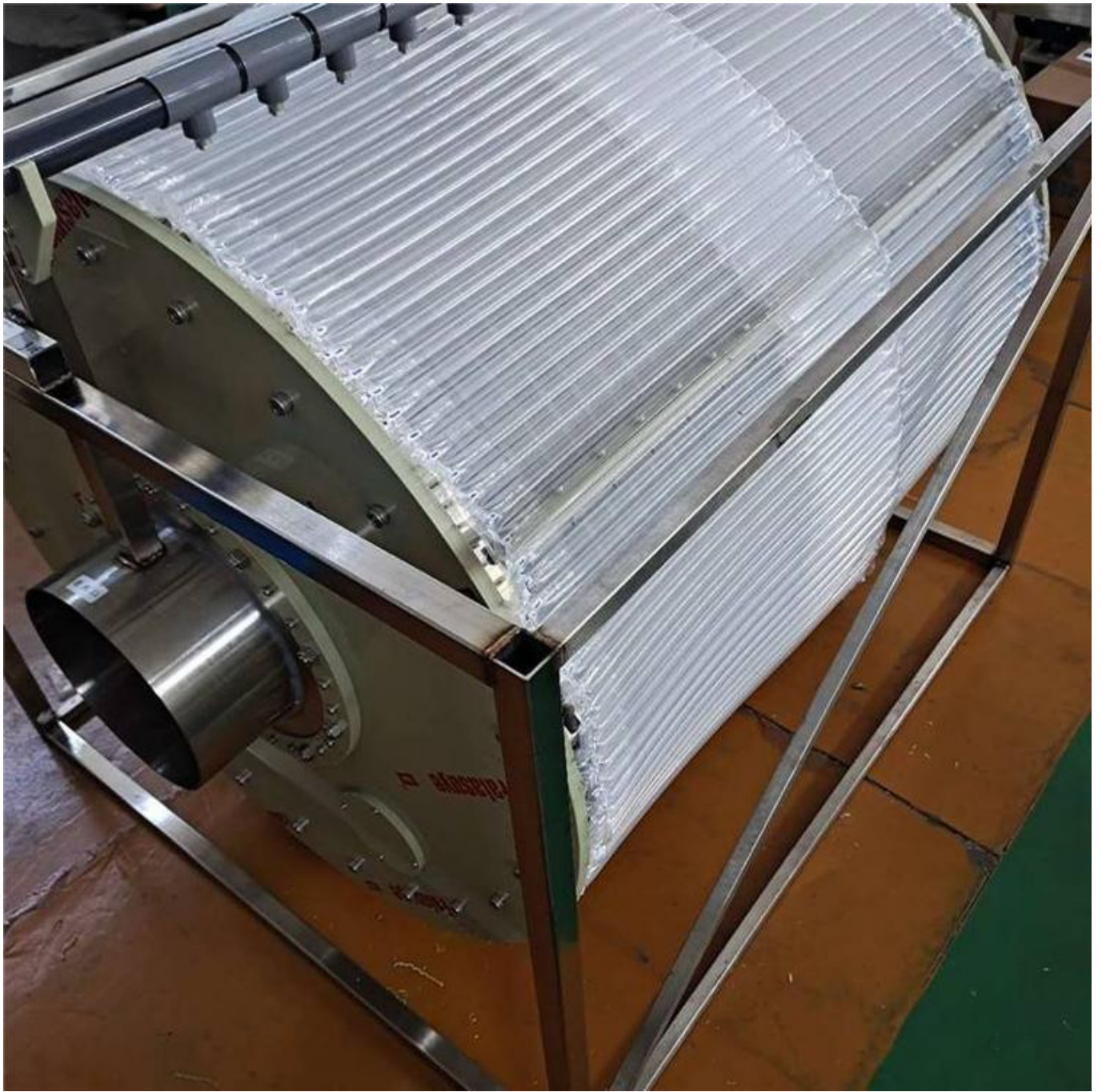
220V-380Vkw

Sewage treatment capacity

5T-5000Tm³/h













**Aquaculture protein separator manufacturers recycle water
10 tons of -500 ton protein foam separator**

Parameter specification

Product features

Foam separator

product type

brand new

Order number

Protein separation 10-500t

Applicable objects

fish

Applicable place

Stream, fish pond, river, reservoir, sea, deep water, others

power

Non standard customized product kw

Product specifications

Non standard customized products

purpose

Breeding equipment

type

Protein separation filter

model

10t-500t can be customized

1. Pei potential energy intake technology is adopted to eliminate jet device and jet pump, so that the equipment has zero energy consumption and saves electricity;
2. N-type water flow multiple water air mixture cutting technology, which produces rich and delicate bubbles, has good protein separation effect and high efficiency;
- 3., foam drainage is straight row structure, free of washing, water saving, practical and environmental protection.
4. Fault free design of product structure, maintenance free and long service life;
5. It has the function of large particle discharge;
6. Removal of ammonia nitrogen, nitrite and other toxic substances

1. Centrifugal cyclone filtration function (removal of large particles)

Centrifugal cyclone filtration is a new function of aquaculture water circulation processor. Starting from the pollution source of water quality, the sewage water from the bottom of sedimentation tank is pumped from the bottom of the tank into the cyclone chamber of the equipment. By using the special structure of the equipment and under the action of the cyclone centrifugal force, the dead shrimp, shrimp shell and large particles in the breeding process can be automatically collected and discharged, and the discharged pollutants flow into the sewage receiving bucket (the sewage receiving bucket is divided into the inner bucket and the outer bucket, and the bottom of the inner bucket is welded with a screen to filter the dead shrimp and large particles The filtered water flows into the pond to form a cycle.

2. Protein separation function (removal of organic matter)

This equipment has the function of protein separation, which can separate protein and organic matter before they are converted into ammonia nitrogen and other toxic substances, so as to slow down the cumulative increase of toxic substances and ensure that the ammonia nitrogen and other toxic substances do not exceed the standard during the breeding period.

3. Oxygenation function

The device makes use of the water level difference between the device itself and the pool body, combined with our pod potential energy oxygen technology to increase oxygen. Taking the equipment with a treatment capacity of 100m³ / h as an example, under normal operation conditions, the total air intake reaches 22-25m³ / h, the dissolved oxygen content in the effluent increases by 30-40, and the position of the water outlet of the equipment can cancel a 1.5KW oxygen booster.

4. Disinfection and sterilization function (need to be combined with ozone machine)

The product has the function of ozone reaction tower, which can be used with ozone machine to disinfect, sterilize and kill algae. The function is mainly used in raw water treatment. Before the pond is put into seedling, the aquaculture circulation processor and ozone machine are used to cooperate with the ozonizer in the pond. Foam separation is applied to the pond water, adding oxygen and bactericidal and algae killing. This function replaces the traditional raw water treatment mode of a large number of dosing | to truly achieve environmental protection and scientific breeding.

5. Remove harmful gas

A large number of micro bubbles dissolve into the water, increasing the contact area between air and water, creating conditions for exchange with other harmful gases;

6. Cut off the source of disease

Using this system, the aquaculture water is in a working state of recycling, low drainage and low water supplement, which can effectively cut off and control the invasion of external disease sources, and prevent water pollution and disease.

7. Increase the water temperature

In the winter shed culture, the use of the equipment can make the water in the pond increase 1-2 degrees than that in the pond without the equipment, and the effect of promoting the growth rate of shrimp is obvious in the winter culture.

8. Energy saving, emission reduction and environmental protection

The device cancels the traditional jet device, saves the jet pump, and achieves no energy consumption. By using our pod technology, a 1.5KW oxygen booster can be reduced at the water outlet without increasing energy consumption. The equipment is used to treat about 0.5m³ water body per day, and the traditional drainage method discharges about several hundred cubic meters of water body per day.

9. Pollution free, green, healthy and safe breeding

Breeding process card with the use of beneficial biological bacteria conditioning water quality, do not add any illegal drugs, to achieve the true meaning of green, healthy breeding. The water quality of aquaculture water is stable, the risk of aquaculture is reduced, and the safety of aquaculture process is improved.

1. Seawater factory

2. Sea water nursery

3. Seafood storage and transportation

4. Aquarium and aquarium, etc



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various flow specifications are available.







