

# Guangzhou Netech Environmental Technology Co., Ltd



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## 10-40L/Min Industrial Oxygen Generator



### Configuration of Oxygen concentrator

1. Built-in oil free air compressor
2. Built-in refrigerated air dryers
3. High efficiency PSA oxygen generate unit
4. Oxygen concentration: 90%±3%
5. Pressure of oxygen outlet: ≤0.1 MPA
6. Control: Door lock, Amp-meter, Working indicator, Power indicator, On/Off, Oxygen flow meter, Voltmeter, Oxygen outlet, Fuse, Power input

### Advantage of Oxygen concentrator

1. Low working temperature of air compressor ,thus extending service life of air compressor
2. Built in Small refrigerated air dryer ,thus oxygen concentrator is compact .
3. Oxygen concentrator feed dry, cool ,clean air ,thus extending service life
4. stable oxygen output ,high oxygen purity

### Specifications:

Model	Unit	NT-010LC	NT-015LC	NT-020LC	NT-030LC	NT-040LC
Oxygen flow rate	LPM	10	15	20	30	40
Oxygen concentration	%	90±3	90±3	90±3	90±3	90±3
Dimension	cm	50×84×95			67×102×950	
Output oxygen pressure	Mpa	≤0.1 Mpa				
Voltage	V	220V				
Power	W	1060	1800	2120	3180	4240

### Remark:

1. The power of above machine is the rated power.
2. Model NT-010LC and model NT-020LC has stock, the others need to customize.



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## NT-PM series Automatic drum filter



### 1. Product description

NT-WLJ Series drum filter is composed by four parts: house, roller, back washing system, electric control system. Capacity: 20 ~ 100M<sup>3</sup>/H (or higher), use non-toxic seawater corrosion resistant high quality engineering plastic materials, and use 200 mesh (80 microns) stainless steel mesh to remove & separate suspended solids.

### 2. Working principle

When the water containing particles of suspended solids enter into the drum, suspended solids are stainless steel filter retention, filtered water which does not contain suspended solids enter into water tank. When the suspended solids accumulate to a certain amount inside roller, it will

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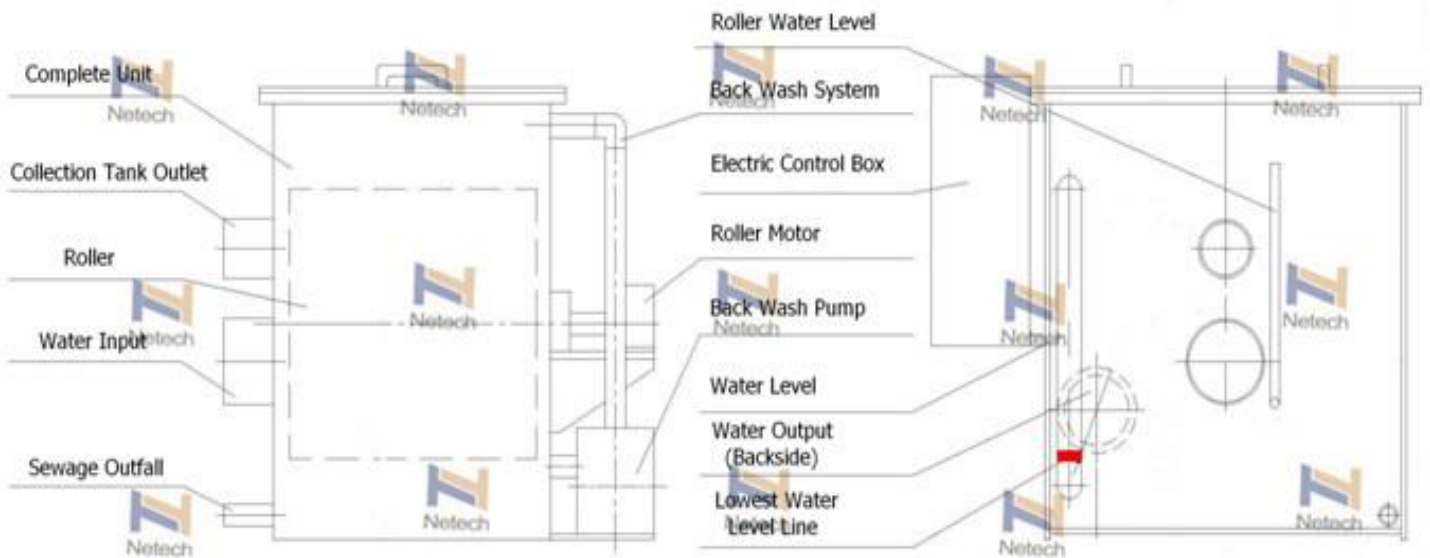
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reduce the filter permeable capacity, so increase the drum water level, when the water level reaches to the fixed high level, the water level auto-control system starts working, back washing pump and roller motor start working at the same time, and use high pressure water to wash running mesh. The suspended solids be washed into the dirt collection tank and then exhausted from outfall by high pressure water. When the mesh is clean, it will improve the filter permeable capacity and reduce the drum water level, when the water level reaches to the fixed low level, back washing pump and roller motor stop working, and drum filter will start the new working recycle.

### 3. Features

- 1). Use with high quality plastic material and SS316L mesh, corrosion resistance and durable.
- 2). Use special made SS316L mesh with small size aperture, low resistance and high discharge capacity.
- 3). With auto back washing function to ensure system is working properly.
- 4). Low power consumption, high efficiency, easy operation and maintenance.



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## 4. Product Appliance

- 1) Suitable used for pre-solid-liquid separation processing of aquaculture raw water treatment.
- 2) Suitable used for pre-solid-liquid separation processing of aquaculture industrial water treatment.
- 3) Widely used in various lines which required pre-solid-liquid separation. Such as urban sewage water, paper, textile, printing and dyeing, chemical and sewage etc.

## 5. Specifications

Model	Voltage	Power	Water flow (T/Hr)		Water Input/Output	Size
	V	Kw	75μm	38μm	mm	cm
<b>NT-PM-20</b>	380	0.55	20	10	Φ90\Φ110	100×95×85
<b>NT-PM-30</b>		0.55	30	15	Φ90\Φ110	115×95×85
<b>NT-PM-40</b>		0.55	40	20	Φ110\Φ140	115×105×95
<b>NT-PM-60</b>		0.62	60	30	Φ140\Φ160	140×105×95
<b>NT-PM-80</b>		0.62	80	40	Φ160\Φ160	150×125×115
<b>NT-PM-100</b>		0.74	100	50	Φ160\Φ200	170×125×125
<b>NT-PM-150</b>		1.1	150	75	Φ200\Φ250	180×155×150
<b>NT-PM-200</b>		1.1	200	100	Φ250\Φ250	195×165×165

It can be special made according to customer requirements.



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## Catalogue of Protein Skimmer



The protein skimmer can be used to reduce the physical and chemical gels. It used the role of adsorption of surface tension of the bubble to enrichment and separation organic, removal the colloidal suspension, cellulose, protein, bait and faeces and other organics in the wastewater. Meanwhile, the protein separator can be used as an ozone mixing tower, which can separate protein and use ozone to do the disinfections.

### Component parts

Water input, PDO air intake device, mixing chamber, collecting pipe, sewage disposal, ozone adding device, water output etc.

### Working system



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First, water enter from the bottom of Protein Skimmer, "S" shape water stream, water moving up and then roll down to the water outlet;

Second, using the PDO device for producing bubble, and it enters into the mixing chamber with water together, liquid and air fully mixing in water when the water is rolling then reaches to the water outlet, water goes out from the bottom, but the not dissolved & suspended particles are gather in the surface of micro-bubble, then enter into the collecting pipe, coming out from the sewage disposal;

Third, treated water coming out from the main water outlet, water outlet valve can adjust the liquid level of Protein skimmer.

## Features

3. Instead the using of Venturi, Booster pump, low power for saving energy.
4. Using the collecting pipe, no need to clean, for saving water.
5. PDO air intake device produces abundance air bubble, for high separate efficiency.
6. Using two ways water stream design, for high air-liquid mixing result, high separate efficiency.
7. Trouble-free design, long service life but free maintenance.

## Functions

- ◆ Removing organism such as night soil, colloid etc, for reducing the load of biological treatment and ensuring the water quality.
- ◆ Increasing dissolved oxygen in water, for improving the biological treatment efficiency.
- ◆ Removing the harmful air in water, stabilize the PH in water.
- ◆ Mixing ozone in water also has the function of sterilization, disinfect ion and remove algae in water.

## Appliance

- ◆ Seafood cultivating factory
- ◆ Seawater hatcheries
- ◆ Oceanopolis, aquarium etc
- ◆ Swimming pool water treatment
- ◆ Sewage water treatment, and the lines used for ozone mixing into water



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## Specifications

Model	Water flow (M <sup>3</sup> /Hr)			Size (mm)	Water Input /Output Size (mm)
	1min	2min	3min		
NT-FPS-10	10	5	3	Φ450×1650	50/90
NT-FPS-20	20	10	7	Φ600×1700	63/110
NT-FPS-30	30	15	10	Φ650×2100	63/110
NT-FPS-40	40	20	13	Φ750×2100	63/140
NT-FPS-50	50	25	17	Φ850×2200	75/140
NT-FPS-60	60	30	20	Φ850×2450	75/160
NT-FPS-80	80	40	27	Φ950×2600	90/160
NT-FPS-100	100	50	33	Φ950×3050	110/200
NT-FPS-120	120	30	40	Φ1200×2800	110/250
NT-FPS-140	140	70	47	Φ1300×2700	140/250
NT-FPS-160	160	80	53	Φ1300×2900	160/250
NT-FPS-180	180	90	60	Φ1400×2900	160/250
NT-FPS-200	200	100	67	Φ1500×3000	200/250

## Biological Filter





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## Biological Filter Advantages for Aquaculture

- 4) Remove ammonia
- 5) Remove nitrites
- 6) Remove dissolved organic solids
- 7) Add oxygen
- 8) Remove carbon dioxide
- 9) Remove excess nitrogen and other dissolved gasses
- 10) Remove suspended solids

## Biological Filter for Aquaculture

Biological Filtration System is a specially designed multi chamber filter for big aquaculture systems and aquariums.

A Protein Skimmer can be connected.

### Used in:

1. Water recirculation in aquaculture and aquarium
2. Waste water treatment
3. Fish store and transportation

### Specifications:

Marks	Model	Capacity (T/Hr)	Size (cm)
1	NT-SMF-10	10	Φ 100×122
2	NT-SMF-20	20	Φ 150×122
3	NT-SMF-40	40	Φ 185×150
4	NT-SMF-60	60	Φ 210×175
5	NT-SMF-80	80	Φ 226×200
6	NT-SMF-100	100	Φ 252×200