

**HiCEM** · 鸿川医疗科技  
HONGCHUAN MEDICAL TECHNOLOGY CO.,LTD



## Pond And Lake Aeration Systems





## Company Introduction:

Zhejiang Hongchuan Medical Technology Co.,Ltd was first established in 2010 , which is a large-scale enterprise group ,we are specializing in R&D and manufacturing various kinds of air compressor , vacuum pump and automatic disinfection machine .

Our products mainly serve industries such as medical equipment, dental equipment ,robotic arms, automation equipment, beauty equipment, packaging equipment, new energy vehicles and pond aeration systems etc .

Dedicated to strict quality control and thoughtful customer service, our experienced engineers are always available to discuss your requirements and ensure full customer satisfaction. From the structural design , appearance design and mold development are all done by our own R&D team .

For all products ,we all have 2-5 years quality warranty .We have a very rigid inspection process , and all goods need 3 times QC inspection, so we can make sure good quality.

Our company don't have complicated application process, so if you have any requirement, we can react much faster without waiting for application result for a long time.

Our products are sold well in all cities and provinces around China, and also exported to USA , Germany ,UK , Italy ,Spain ,New Zealand, Australia , Russia , Indonesia and South Korea etc.

We are welcome the OEM and ODM orders. Whether selecting a current product from our catalog or seeking engineering assistance for your application, you can talk to our customer service center about your sourcing requirements.

Adhering to the business principle of mutual benefits, we have had a reliable reputation among our customers because of our professional services, quality products and competitive prices.

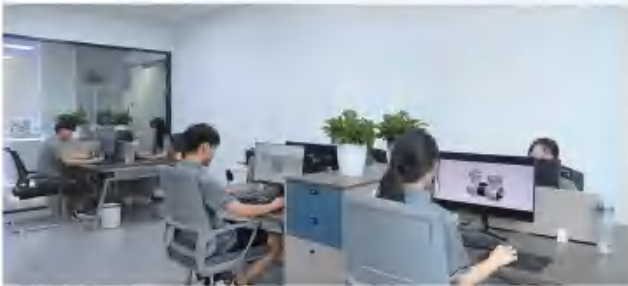
If you have questions or thoughts , please contact us freely. Most of our customers have 30-50% increase of business every year, we hope we can also help your business grow, and let's grow together.

# PROFESSIONAL MANUFACTURER FOR ODM SERVICE



## 01 HIGH EFFICIENCY & INNOVATE

Dedicated to strict quality control and thoughtful customer service, our experienced engineers are always available to discuss your requirements and ensure full customer satisfaction. From the structural design, appearance design and mold development are all done by our own R&D team.



## 02 STRENGTH SOURCE FACTORY

Starting from die-casting of raw materials, high-speed punch of motor, hardware processing, automatic embedding of motor, as well as automatic assembly line of products, all core technologies are strictly in accordance with the standardized operation, testing, and production, the annual capacity of 800,000 sets of air compressors & suction vacuum pumps manufacturer.

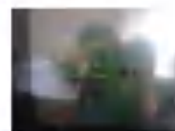


# STRICT TESTING PROCESS TO GUARANTEE THE HIGH QUALITY

For us, we consider quality as most important factor, and employ QC with more than 5 years of experience, and very rigid to quality control.

Every compressor have to pass 3 times check, and our inspection standard is much more rigid,so we can make sure good quality.

Every machine parameters have the test records , we will keep these test records to our quality traceability system about 5 years.The compressor label shows the S/N all are matched with test record



# Authorization

## Certificates



## Utility Patents



# YOUR POND NEED MORE OXYGEN

Healthy ecosystem originate from good water quality



Muddy Water?



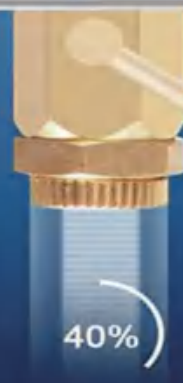
Algae Growth?



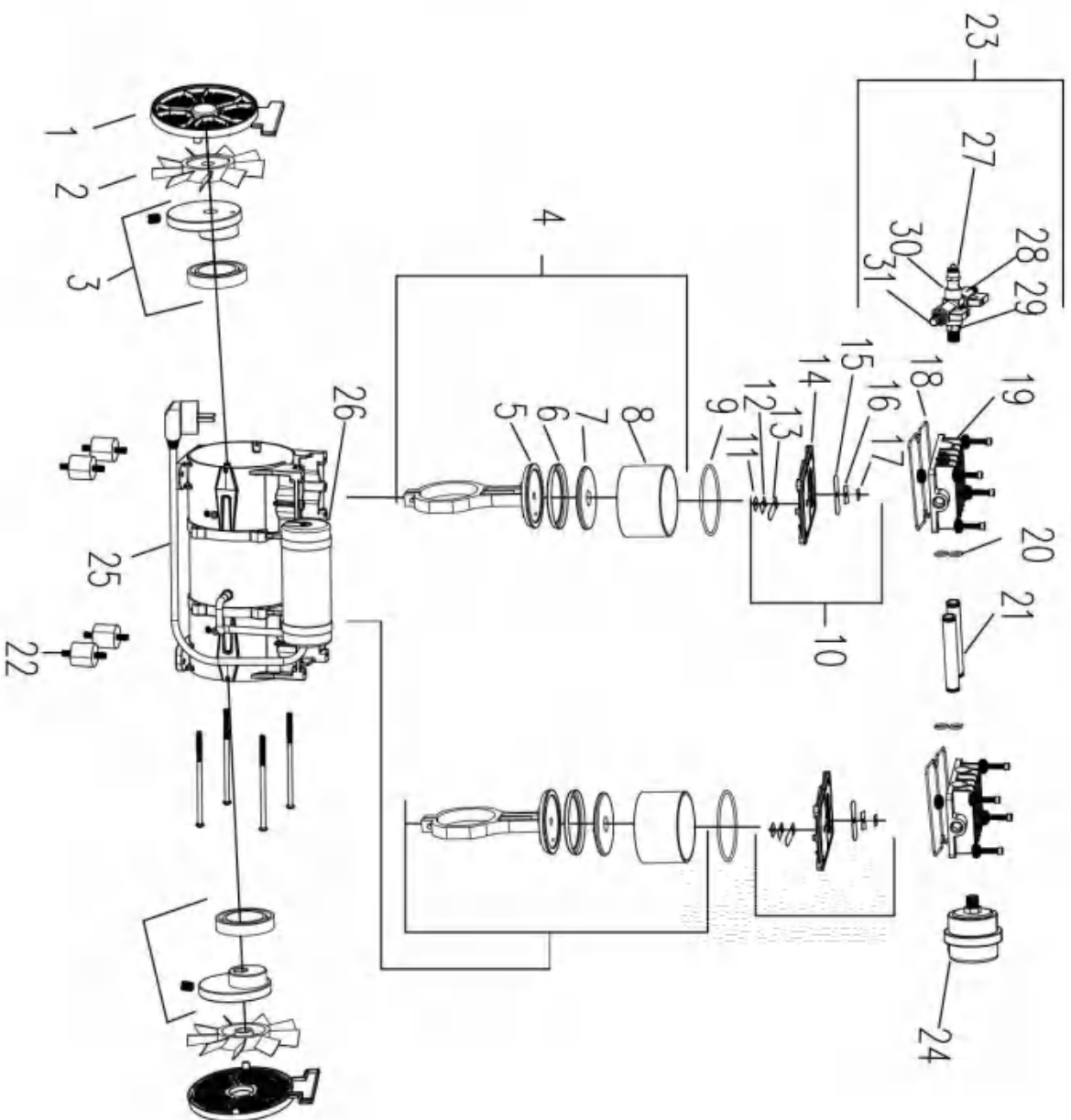
Fish Suffocate?

## Air Volume Regulating Valve

Adapt to different weather & seasons



No	DESCRIPTION	Q'TY
1	SIDE COVER	2
2	LEFT FAN	2
3	ECC.&BEARING ASS'Y	2
4	CONNECTING ROD ASS'Y	2
5	CONNECT ROD	2
6	PISTON RING	2
7	FASTEN PLATE	2
8	CYLINDER	2
9	CYLINDER SEAL RING	2
10	VALVE PLATE ASSEMBLY	2
11	METAL CUSHION	2
12	LIMITING PLSTE	2
13	INTAKE VALVE	2
14	VALVE PLATE	2
15	EXHAUST VALVE	2
16	LIMITING PLSTE	2
17	SQUARE WASHER	2
18	O-RING GASKET-HEAD	2
19	CYLINDER COVER	2
20	"O" SEAL RING	4
21	CONNECT PIPE	2
22	REDUCE VIBRATION PILLARS	4
23	AIR CIRCUIT ASSEMBLY	1
24	SILENCER	1
25	POWER LINE	1
26	CAPACITOR BOX	1
27	PRESSURE RELIEF VALVE	1
28	BALL VALVE	2
29	NIPPLE	1
30	FOUR WAY INTERNAL THREAD ADAPTER	1
31	PAGODA JOINT	2



# AC Oil Free aeration compressor

## COMPLETE AERATION SYSTEM



### COMPLETELY SAFE:

There is no electricity in the water, which means that it is completely safe to fish, pets, or humans.

### SUPERIOR QUALITY:

The aerator is extremely durable, and can operate in any weather conditions.

Diffuser&Stainless Steel Base



Manifold Branch



Air Filter



100" Sinking Hose



## Technical Specification

<b>Model</b>	HC100C-1
<b>Voltage</b>	220V/110V
<b>Power</b>	≤230W
<b>Dimension</b>	198*95*144 mm
<b>Noise</b>	≤55dB(A)
<b>Net weight</b>	4.26 kg
<b>Use environment</b>	-5°C -40°C
<b>Diffusers</b>	1 diffuser
<b>Max Pond Size</b>	1 acre
<b>Max Diffuser Depth</b>	25'



# AC Oil Free aeration compressor

## COMPLETE AERATION SYSTEM



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Diffuser&Stainless Steel Base



Manifold Branch



Air Filter



100" Sinking Hose



### Technical Specification

<b>Model</b>	HC280A-1
<b>Voltage</b>	220V/110V
<b>Power</b>	≤430W
<b>Dimension</b>	245*104*167 mm
<b>Noise</b>	≤55dB(A)
<b>Net weight</b>	6.0 kg
<b>Use environment</b>	-5°C-40°C
<b>Diffusers</b>	1-2 diffusers
<b>Max Pond Size</b>	1 acre
<b>Max Diffuser Depth</b>	50'

# AC Oil Free aeration compressor

## COMPLETE AERATION SYSTEM



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**SUPERIOR QUALITY:**  
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Diffuser&Stainless Steel Base



Manifold Branch



Air Filter



100" Sinking Hose



### Technical Specification

<b>Model</b>	HC550A-1
<b>Voltage</b>	220V/110V
<b>Power</b>	550W
<b>Dimension</b>	276*130*190 mm
<b>Noise</b>	≤60dB(A)
<b>Net weight</b>	8.86 kg
<b>Use environment</b>	-5°C -40°C
<b>Diffusers</b>	2-3 diffusers
<b>Max Pond Size</b>	2 acres
<b>Max Diffuser Depth</b>	50'

# AC Oil Free aeration compressor



## COMPLETE AERATION SYSTEM

### COMPLETELY SAFE:

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### SUPERIOR QUALITY:

The aerator is extremely durable, and can operate in any weather conditions.

Diffuser&Stainless Steel Base



Manifold Branch



Air Filter



100" Sinking Hose



## Technical Specification

Model	HC750A-1
Voltage	220V/110V
Power	750W
Dimension	276*130*206 mm
Noise	≤60dB(A)
Net weight	8.86 kg
Use environment	-5°C-40°C
Diffusers	2-3 diffusers
Max Pond Size	3 acres
Max Diffuser Depth	50'

# AC Oil Free aeration compressor



## COMPLETE AERATION SYSTEM



**COMPLETELY SAFE:**  
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**SUPERIOR QUALITY:**  
The aerator is extremely durable, and can operate in any weather conditions.

Diffuser&Stainless Steel Base



Manifold Branch



Air Filter



100" Sinking Hose



## Technical Specification

Model	HC1500A-1
Voltage	220V/110V
Power	1500W
Dimension	330*167*278 mm
Noise	≤65dB(A)
Net weight	17.5 kg
Use environment	-5°C-40°C
Diffusers	4 diffusers
Max Pond Size	5 acres
Max Diffuser Depth	50'

# AC Oil Free aeration compressor

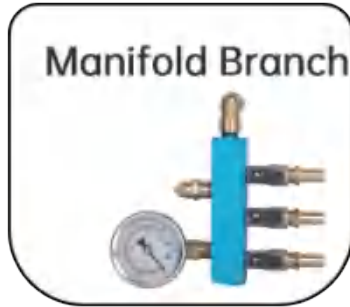


## COMPLETE AERATION SYSTEM



**COMPLETELY SAFE:**  
There is no electricity in the water, which means that it is completely safe to fish, pets, or humans.

**SUPERIOR QUALITY:**  
The aerator is extremely durable, and can operate in any weather conditions.



### Technical Specification

Model	HC750X-CAB
Voltage	220V/110V
Power	750W
Dimension	285*165*252 mm
Noise	≤55dB(A)
Net weight	16.2 kg
Use environment	-5°C-40°C
Diffusers	2-3 diffusers
Max Pond Size	3 acres
Max Diffuser Depth	50'

# AC Oil Free aeration compressor

## COMPLETE AERATION SYSTEM



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**SUPERIOR QUALITY:**  
The aerator is extremely durable, and can operate in any weather conditions.



### Technical Specification

Model	HC550A-CAB
Voltage	220V/110V
Power	550W
Dimension	465*382*632 mm
Noise	≤55dB(A)
Net weight	25.9 kg
Use environment	-5°C -40°C
Diffusers	2 diffusers
Max Pond Size	2 acres
Max Diffuser Depth	50'

# AC Oil Free aeration compressor

## COMPLETE AERATION SYSTEM



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There is no electricity in the water, which means that it is completely safe to fish, pets, or humans.

### SUPERIOR QUALITY:

The aerator is extremely durable, and can operate in any weather conditions.

Diffuser&Stainless Steel Base



Manifold Branch



Air Filter



100" Sinking Hose



## Technical Specification

Model	HC750A-CAB
Voltage	220V/110V
Power	750W
Dimension	465*382*632 mm
Noise	≤55dB(A)
Net weight	28.5 kg
Use environment	-5°C -40°C
Diffusers	3 diffusers
Max Pond Size	3 acres
Max Diffuser Depth	50'

# AC Oil Free aeration compressor

## COMPLETE AERATION SYSTEM



**COMPLETELY SAFE:**

There is no electricity in the water, which means that it is completely safe to fish, pets, or humans.

**SUPERIOR QUALITY:**

The aerator is extremely durable, and can operate in any weather conditions.

Diffuser&Stainless Steel Base



Manifold Branch



Air Filter



100" Sinking Hose



### Technical Specification

<b>Model</b>	HC750A-WPM
<b>Voltage</b>	220V/110V
<b>Power</b>	750W
<b>Dimension</b>	550*450*690 mm
<b>Noise</b>	≤55dB(A)
<b>Net weight</b>	28.5 kg
<b>Use environment</b>	-5°C-40°C
<b>Diffusers</b>	3 diffusers
<b>Max Pond Size</b>	3 acres
<b>Max Diffuser Depth</b>	50'



# DC Oil Free aeration compressor

## COMPLETE AERATION SYSTEM



### COMPLETELY SAFE:

There is no electricity in the water, which means that it is completely safe to fish, pets, or humans.



### SUPERIOR QUALITY:

The aerator is extremely durable, and can operate in any weather conditions.

Diffuser & Stainless Steel Base



Solar Digital Controller



Solar Panel



100" Sinking Hose



## Technical Specification

<b>Model</b>	HC100D-1
<b>Voltage</b>	DC12V /24V /48V
<b>Power</b>	≤130W
<b>Dimension</b>	176*95*147 mm
<b>Noise</b>	≤48dB(A)
<b>Net weight</b>	3.2 kg
<b>Use environment</b>	-5°C -40°C
<b>Diffusers</b>	1 diffuser
<b>Max Pond Size</b>	1 acre
<b>Max Diffuser Depth</b>	25'

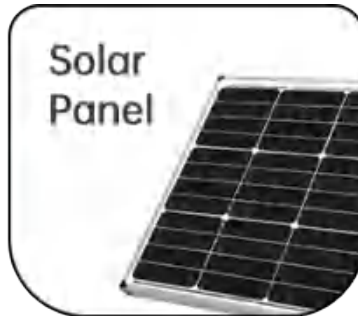
# DC Oil Free aeration compressor

## COMPLETE AERATION SYSTEM



**COMPLETELY SAFE:**  
There is no electricity in the water, which means that it is completely safe to fish, pets, or humans.

**SUPERIOR QUALITY:**  
The aerator is extremely durable, and can operate in any weather conditions.



### Technical Specification

<b>Model</b>	HC280D-1
<b>Voltage</b>	DC12V /24V /48V
<b>Power</b>	≤370W
<b>Dimension</b>	242*104*165 mm
<b>Noise</b>	≤55dB(A)
<b>Net weight</b>	6.0 kg
<b>Use environment</b>	-5℃-40℃
<b>Diffusers</b>	1-2 diffusers
<b>Max Pond Size</b>	1 acre
<b>Max Diffuser Depth</b>	50'

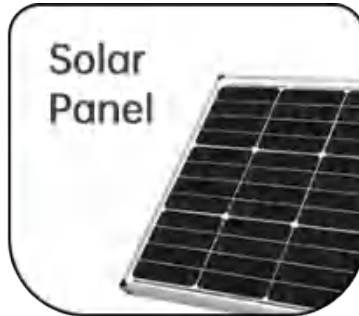
# DC Oil Free aeration compressor

## COMPLETE AERATION SYSTEM



**COMPLETELY SAFE:**  
There is no electricity in the water, which means that it is completely safe to fish, pets, or humans.

**SUPERIOR QUALITY:**  
The aerator is extremely durable, and can operate in any weather conditions.



### Technical Specification

<b>Model</b>	HC550D-1
<b>Voltage</b>	DC12V /24V /48V
<b>Power</b>	≤550W
<b>Dimension</b>	273*135*192 mm
<b>Noise</b>	≤60dB(A)
<b>Net weight</b>	9.95 kg
<b>Use environment</b>	-5°C-40°C
<b>Diffusers</b>	2-3 diffusers
<b>Max Pond Size</b>	2 acres
<b>Max Diffuser Depth</b>	50'

# DC Oil Free aeration compressor

## COMPLETE AERATION SYSTEM



### COMPLETELY SAFE:

There is no electricity in the water, which means that it is completely safe to fish, pets, or humans.

### SUPERIOR QUALITY:

The aerator is extremely durable, and can operate in any weather conditions.

Diffuser&Stainless Steel Base



Solar Digital Controller



Solar Panel



100" Sinking Hose



## Technical Specification

Model	HC750D-1
Voltage	DC12V /24V /48V
Power	≤750W
Dimension	273*135*215 mm
Noise	≤60dB(A)
Net weight	10.5 kg
Use environment	-5°C-40°C
Diffusers	3 diffusers
Max Pond Size	3 acres
Max Diffuser Depth	50'

# DC Oil Free aeration compressor

## COMPLETE AERATION SYSTEM



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There is no electricity in the water, which means that it is completely safe to fish, pets, or humans.

**SUPERIOR QUALITY:**  
The aerator is extremely durable, and can operate in any weather conditions.

Diffuser&Stainless Steel Base



Solar Digital Controller



Solar Panel



100" Sinking Hose



### Technical Specification

<b>Model</b>	HC100D-CAB
<b>Voltage</b>	DC12V /24V /48V
<b>Power</b>	≤130W
<b>Dimension</b>	520*420*670 mm
<b>Noise</b>	≤42dB(A)
<b>Net weight</b>	22 kg
<b>Use environment</b>	-5°C-40°C
<b>Diffusers</b>	1 diffuser
<b>Max Pond Size</b>	1 acre
<b>Max Diffuser Depth</b>	25'

# DC Oil Free aeration compressor

## COMPLETE AERATION SYSTEM



### COMPLETELY SAFE:

There is no electricity in the water, which means that it is completely safe to fish, pets, or humans.

### SUPERIOR QUALITY:

The aerator is extremely durable, and can operate in any weather conditions.

Diffuser&Stainless Steel Base



Solar Digital Controller



Solar Panel



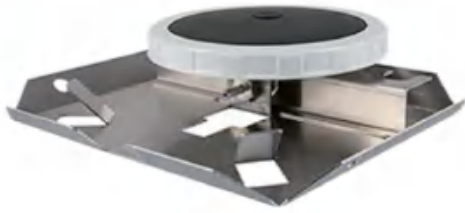
100" Sinking Hose



## Technical Specification

<b>Model</b>	HC750D-CAB
<b>Voltage</b>	DC12V /24V /48V
<b>Power</b>	≤750W
<b>Dimension</b>	550*450*690 mm
<b>Noise</b>	≤55dB(A)
<b>Net weight</b>	28.5 kg
<b>Use environment</b>	-5°C-40°C
<b>Diffusers</b>	3 diffusers
<b>Max Pond Size</b>	3 acres
<b>Max Diffuser Depth</b>	50'

## Accessories



Stainless steel base and diffuser

Solar controller



Sink hose

Rubber feet

Air filter

Controller

Latch



Solar panel

Elbow

Explosion-proof capacitor

Ball valve and fitting



Cabinet

Safety valve

Pressure gage

Plug

# **HCEM·鸿川医疗科技**

HONGCHUAN MEDICAL TECHNOLOGY CO.,LTD



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