



## 450kg animal Hyperbaric Oxygen Chamber for Efficient Oxygen Therapy

Our Product Introduction

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### Basic Information

- Place of Origin: china
- Brand Name: O2EMENG
- Certification: CE/FDA/FC/ROHS/UKCA/SGS
- Model Number: EMA400
- Minimum Order Quantity: 1PC
- Price: 10000-12000 USD
- Packaging Details: wooden packing
- Delivery Time: 15-20 working days
- Payment Terms: D/P, T/T, Western Union, MoneyGram
- Supply Ability: 100PCS

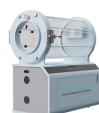


### Product Specification

- Model: EMA400
- Total Weight: 450kgs
- Overall Size: 1100x800x1480mm
- Working Pressure: 0-1.5ATA (can Be Set)
- Function: Hyperbaric Oxygen Therapy
- Usage: Medical/Therapeutic
- Highlight: 1.5ata hyperbaric oxygen chamber,  
1.5ata oxygen hyperbaric chamber,  
medical hyperbaric oxygen chamber



### More Images



### Product Description

450kg animal Hyperbaric Oxygen Chamber for Efficient Oxygen Therapy

Our Product

### Product Description:

The EMA400 Hyperbaric Oxygen Chamber is a valuable tool for animal, providing effective Recovery benefits. By increasing oxygen levels in the body, this chamber can help animal recover quickly after injury. Additionally, the EMA400 is a great choice for animal therapy. With the ability to accommodate pets and other animals, this Hyperbaric Chamber is perfect for veterinary clinics and animal hospitals.

At 450kgs, the EMA400 Hyperbaric Oxygen Chamber is a sturdy and reliable choice for any medical or therapeutic setting. Its durable construction and advanced features make it a top choice for animal hospital and animal lover alike. Whether you are seeking treatment for a medical condition or simply looking to enhance your overall wellness, the EMA400 Hyperbaric Oxygen Chamber is the perfect solution for you.

Don't settle for traditional treatment options that may not provide the results you need. Upgrade to the EMA400 Hyperbaric Oxygen Chamber and experience the power of Hyperbaric Oxygen Therapy today!

### Technical Parameters:

Model	EMA400
Total Weight	450kgs
Overall Size	1100x800x1480mm
Working Pressure	0-1.5ATA (can be set)
Usage	Medical/Therapeutic
Function	Hyperbaric Oxygen Therapy
High Flow Oxygen Concentrator	10 Liter Oxygen Concentrator

### Applications:

The Hyperbaric Oxygen Chamber is designed to provide high levels of oxygen to animal in a controlled environment, at a working pressure of 0-1.5ATA (can be set). The chamber is equipped with a High Flow Oxygen Concentrator that can deliver up to 10 liters of oxygen per minute, ensuring that patients receive the optimal amount of oxygen during therapy.

The O2EMENG Hyperbaric Oxygen Chamber is ideal for use in a variety of medical and therapeutic settings. It can be used in animal hospitals, clinics, Home use, including Hydrocephalus, Brain contusion, Encephalopathy, and more.

The overall size of the Hyperbaric Oxygen Chamber is 1100x800x1480mm, and it weighs 450kgs. This makes it compact enough to fit in most treatment rooms, while still being sturdy enough to withstand regular use.

In summary, the O2EMENG Hyperbaric Oxygen Chamber is an essential piece of medical equipment that provides effective Hyperbaric Oxygen Therapy for animal. It is suitable for use in a wide range of settings, from animal hospitals to home use and is also popular among animal lover

### Support and Services:

Our product technical support team can help you with any questions or concerns you may have about the use and maintenance of your chamber. We also offer a range of services, including guidance on installation, training and maintenance to ensure the equipment operates safely and effectively.

If you require technical support or services for your Hyperbaric Oxygen Chamber, please do not hesitate to contact us.

#### Theory of Foundation - What is HBOT?

##### Hyperbaric Oxygen Therapy (HBOT)

In an environment higher than one bar, the process of inhaling high concentration oxygen to treat diseases is called HBOT, which can use different oxygen concentrations and pressures based on the patient's conditions.

#### HBOT's efficacy

##### ① Pressure effect

When the pressure of bubbles in the body increases under an environment with pressure above one bar, the volume of bubbles will shrink, and the area of infarction will reduce, which is beneficial for bubbles to dissolve in the blood.

##### ② Vasoconstriction

Hyperbaric oxygen has the vasoconstriction effect like a-adrenaline, reduces the local blood volume, and helps to mitigate brain edema, edema after burns or crush injuries. Although the local blood supply decreases, the amount of oxygen brought into the tissue via blood increases.

##### ③ Clearance

A large amount of oxygen in the body can accelerate the clearance of other harmful gases, such as CO, dioxomethane, N<sub>2</sub>, etc.

#### HBOT's effect on increasing blood oxygen content of pet body

##### A. Increase in blood oxygen content

In HBOT, a large amount of oxygen dissolves in the blood due to the increase in pressure, leading to an increase in the amount of oxygen brought into ischemic tissue by the blood.

##### B. Increase in diffusion distance of blood oxygen

Generally, the average distance of the capillary network of the brain is about 60um. Under normal circumstances, the effective radius of diffusion distance of the capillary network in ectocinerea is about 30um, but it can reach 100um under hyperbaric oxygen.

In cases of inflammation, trauma or burns, tissue cells become swollen and the distance between cells and capillaries increases. Oxygen inhalation under normal pressure can not meet the oxygen supply of histiocyte, but the application of specific hyperbaric oxygen can completely solve the above hypoxia situation.

#### Antibacterial effect of HBOT

**Antibacterial effect: Oxygen is a broad-spectrum antibiotic that not only resists anaerobic bacteria but also aerobic bacteria.**

- A. Anaerobic bacteria need to grow in anaerobic or low oxygen partial pressure environments, and their growth is inhibited when the oxygen partial pressure increases.
- B. Aerobic and anaerobic bacteria share certain components, such as sulfyderyl (SH), which is easily oxidized into disulfide groups. Sulfyderyl is an important part of many enzymes, especially oxidoreductase. After the sulfhydryl groups of coenzyme A, lipoic acid, glutathione, succinate dehydrogenase, transaminase and other coenzymes are oxidized, the enzymes activity decrease and the bacterial metabolism is hindered.
- C. HBOT promotes the bactericidal effect of leucocytes. The antibacterial effect of leucocytes depends on hydrogen peroxide, hyperoxide, superoxide and other deoxidized oxygen derived from molecular oxygen. The oxygen consumption rate of leucocytes increases significantly after swallowing bacteria.

#### Various types of poisoning

CO poisoning, CO<sub>2</sub> poisoning, H<sub>2</sub>S poisoning, cyanide poisoning, ammonia poisoning, phosgene poisoning, pesticide poisoning, chemical drug poisoning, etc.

Most poisonings can cause a decrease in the body's oxygen content, leading to systemic organ failure. Poisoning cases are common in pets in daily life. First of all, it should be clarified that HBOT is adjuvant treatment, instead of sole therapy!

It can not be simply understood as long as the poisoned is put into the HBOT chamber!

#### Clinical indications for HBOT

Generally speaking, HBOT may achieve good efficacy for all hypoxia and ischemia diseases, or a series of diseases caused by hypoxia and ischemia.

HBOT may also achieve good efficacy in some infectious diseases and autoimmune diseases.

#### HBOT is adjuvant treatment, instead of sole therapy!

##### Cardiovascular and cerebrovascular diseases

- ① Cardiopathy
- ② Acute stroke
- ③ Cerebral vascular occlusion
- ④ ICH
- ⑤ TIVH
- ⑥ Cerebral congestion

##### Urinary system diseases

- ① Nephritis
- ② Renal failure
- ③ Urethral infection and edema

##### Motor system diseases

- ① Postoperative complications of tendon or ligament rupture caused by crushing injury
- ② Chronic osteomyelitis
- ③ Adverse reactions to fracture healing

##### Neurogenic compression diseases

- ① Sudden deafness
- ② Posterior branch paralysis
- ③ Spinal cord injury

##### Integumentary system diseases

- ① Pyoderma
- ② Scaldings
- ③ Burns
- ④ Necrotizing parenchyma infection
- ⑤ Trauma caused by trauma
- ⑥ Poor wound healing

##### Respiratory diseases

- ① Pharyngitis
- ② Bronchopneumonia
- ③ Lobular pneumonia
- ④ Lobar pneumonia

## 1. General

### 1.1 Product introduction

Dear VIP clients, thank you for choosing the VennAid Pet HBOT Chamber!

The body of VennAid Pet HBOT Chamber adopts integrated design and full-automatic computer control with self-supported oxygenator, which does not need external oxygen connection. The upper part is the treatment chamber made of acrylic material, with good sealing performance. It is suitable for pets of all shapes. The fully transparent chamber is designed to prevent pets from being in a dark environment, thus more convenient for disinfection and observation of pet status.

Dual control modes: Full-automatic computer control for one-button-starting, with all functions in automatic operating mode; manual control for selected starting of specific function, which is convenient, quick, safe and reliable.

The apparatus is equipped with a 7" visual touch screen, which displays the O2 concentration, CO2 concentration, temperature, humidity and pressure in the chamber in real time during operation. The treatment time is also displayed. In operation, the apparatus detects the CO2 concentration in the chamber and automatically cleans the chamber when the concentration reaches the set value. Automatic cyclic cleaning can also be controlled by a computer.

### 1.2 Brief description

EMA400 system includes modules:



2. Recommendation of new model - EMA400



## Technical parameters

### VennAid Pet HBOT Chamber

	Parameter
Oxygen supply method	Hyperbaric and high concentration oxygenerator is adopted.
O2 concentration	21% -93% adjustable.
O2 concentration rate	60% in 10 min.
Oxygen chamber pressure	0-50kpa adjustable (dual protection by mechanical and electronic relief valves, pressure value constant in the chamber).
Treatment time	0-200 min adjustable. After reaching the set-up time, the apparatus will automatically cycle to clean the chamber. An automatic alarm will prompt at expiration of treatment.
Chamber environment monitoring	O2 concentration, CO2 concentration, temperature, humidity, pressure.
Temperature control	The chamber has added heating and cooling functions, and constant temperature control can be achieved by setting up the temperature value.
Inlet/outlet filtration	Filters at the air inlet/outlet can filter hair and prevent hair from clogging the pipelines.
Oxygenerator	Multi-functional, the high concentration oxygenerator can directly extract oxygen for safe use.
Safeguard	It adopts Schneider leakage protection power MASW, and the body has protective earthing.
Overall size	1100x800x1480mm (LxWxH), split design is convenient for transportation and installation.
Operational modes	Convenient operation with manual/automatic control modes.
Manufacturer training available	Usually, the Company can provide on-site installation and training. Due to the pandemic control policy, online video guidance and training can also be provided subject to clients' needs.
Overall description	The body adopts a fully-transparent chamber design, avoiding pets from being in a dark environment, making it more convenient for disinfection and observation of pet status. The latest model adopts thickened stainless steel pallets, which is safer and more practical. All functions may be initiated in automatic operating mode. Manual control may select a specific function to startup separately, which is convenient, quick, safe and reliable.
Silent	Adopting a full set of muted system with a high-quality air compression shed to enhance the comfort of pets in the chamber.

## Clinical cases

<p><b>HBOT for neurological diseases</b></p> <ul style="list-style-type: none"> <li>Encephalopathy</li> <li>Brain contusion</li> <li>Vestibular Syndrome</li> <li>Spinal cord injury</li> <li>Facial nerve paralysis</li> <li>Nerve rupture</li> </ul>	<p><b>Hydrocephalus</b></p> <ul style="list-style-type: none"> <li>Chihuahua, 3 years</li> <li>Walking in circles due to stiff hind limbs</li> <li>Nystagmus</li> <li>Unable to stand for about 4 months</li> <li>Preliminary diagnosis: Hydrocephalus</li> <li>Drug therapy</li> <li>Treatment: 40kpa, 90% oxygen, 90 min adjacent treatment</li> </ul> 
<p><b>Brain contusion</b></p> <ul style="list-style-type: none"> <li>Little yellow dog, 4 months, male</li> <li>Traffic accident</li> <li>Coma, mouth and nose bleeding</li> <li>Preliminary diagnosis: Brain injury</li> <li>Medication treatment after radiography</li> <li>HBOT treatment</li> <li>Mitigate brain edema, lower brain pressure, and accelerate the elimination of edema</li> </ul> 	<p><b>Encephalopathy</b></p> <ul style="list-style-type: none"> <li>Niute, 12 years</li> <li>5 days of treatment in other hospital</li> <li>Symptoms: Limb weakness, disorientation</li> <li>No special abnormalities found in the laboratory inspection</li> <li>Normal blood ammonia</li> <li>Treatment plan: HBOT</li> <li>Increase oxygen partial pressure</li> <li>Promote cerebral microcirculation</li> <li>Control cerebral edema</li> </ul> 
<p><b>Vestibular Syndrome</b></p> <ul style="list-style-type: none"> <li>Increase oxygen partial pressure and enhance intervascular oxygen diffusion</li> <li>Reduce intracranial pressure</li> <li>Regulate the balance of autonomic nerves</li> </ul> 	<p><b>Epilepsy</b></p> <ul style="list-style-type: none"> <li>Chihuahua, 4 years</li> <li>Epilepsy for 8 days</li> <li>Pets mal</li> <li>HBOT+CBD</li> </ul> 
<p><b>Spinal cord contusion</b></p> 	<p><b>IVDD Canine intervertebral disc disease</b></p> 



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