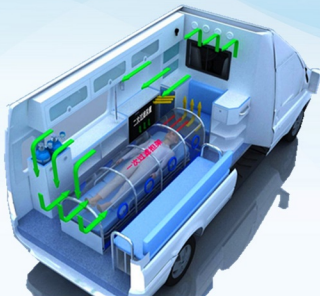


Negative Pressure Ambulance



Main Features

The biggest difference between the negative pressure type ambulance and the ordinary ambulance is "Negative Pressure Isolation". The air pressure inside the medical cabin is lower than the external atmospheric pressure, and the air flow can only flow from the high-pressure side outside the medical cabin to the low-pressure side inside the medical cabin, so as to reduce the pollution to the external environment. After harmless treatment, the air inside the medical cabin will be discharged. In the treatment and transfer of special diseases patients, such as infectious diseases patients, the chance of cross-infection among medical staff will be reduced to the maximum, and the infectious source will be well controlled. The ambulance is also equipped with a ventilator, defibrillator monitor, ECG monitor and other full set of emergency equipment, installed ultraviolet disinfection lamp, central oxygen interface.

Technology Requirements

The national Ministry of Health requires: 20 air changes per hour, negative pressure between -10Pa and -30Pa, filtration and separation rate up to 99.9%. The negative pressure ambulance is only a method of physical isolation. The bacteria and viruses are intercepted on the surface of the HEPA filter and cannot be killed. The medical cabin of ambulance should be sterilized for after using.

Operating Principle

Using the principle of hydrodynamics design, a fixed air flow field area is formed in the medical cabin through the balancing air pressure of HEPA filter, and the air flows from the clean area to the infected area. The air pressure in the negative pressure chamber is between -10Pa and -120Pa, which minimizes the dead Angle and vortex flow of the air flow

Negative Pressure Ambulance



- The negative pressure in the cabin of the ambulance mainly depends on the exhaust fan to actively exhaust the air outside the cabin and the seal treatment of medical cabin, which is filtered by a high efficiency filter to realize the relative pressure difference and effectively reduce the spread and pollution of pathogenic microorganisms to the external environment.

Technical Parameters

Working Current:	20A
Supply Voltage:	DC12V
Exhaust Air Rate:	350-400m ³ /h
Negative Pressure Control Range:	-20~-50Pa
Filter Size(mm):	752*307*70 450*310*50 320*320*50
Effective Filter:	0.02um Degerming Rate: 99.99%
System composition: negative pressure controller, exhaust fan, air high efficiency filter, air outlet assembly, air sterilization system and other components	



- The isolation chamber is mainly suitable for the isolation and transportation of patients suspected or confirmed to be respiratory infectious diseases under toxic gas environment (such as gas bomb pollution);
- The chamber body is made of high quality durable and pollution-free transparent material, and the sealing zipper is used;
- The isolation chamber adopts the principle of positive and negative pressure. The principle of positive pressure can effectively prevent the poisonous gas from entering the chamber. The negative pressure principle can prevent the polluted air in the chamber from leaking out.
- The efficient filter tank makes the external poisonous gas or the internal polluted gas carry on the efficient filtration, ensures the filtered gas is clean;
- Fans are powered by lithium batteries and can be used continuously for more than 5 hours
- There are 8 sealing covers on the chamber, which can be opened by medical personnel with rubber gloves for operation, which is convenient for medicine, food and examination of patients. There is an oxygen access valve on the operating cover, and the position of instrument communication port and infusion tube hole is reserved.

Product Specification

Model	Unfold size (L*W*H)	Folding size (L*W*H)	N.W.	Packing	
				Size (L*W*H)	G.W.
NP-320	200*67*25cm	130*70*25cm	1.2kg	120*21*52	15kg



- Personal protective equipment for medical staff, driver and stretcher operator



Ford New Generation Transit Negative Pressure Ambulance



FORD NEW TRANSIT Negative Pressure Ambulance



FOTON TOANO Negative Pressure Ambulance



MAXUS V80 Negative Pressure Ambulance

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