

Product Code . SEL-SPW-11850

Biological Isolation Chamber



Description

DESCRIPTION :-

Equipment for the safe isolation of infected patient during transport Isolation chamber is equipped with its own negative pressure filtration system to provide maximum protection and operation safety for both the contaminated person or item and the operation team.

Features:-

The chamber negative pressure will be up to - 15pa only in 2 minutes after power on.

The chamber has ten integrated glove portals on three sides to allow for easy access to the patient and two utility portals used for infusions and other medical equipment team.

The isolation chamber can be used with a stretcher, which will be easy to move the patient.

The “all around” zipper system allows for the chamber to open completely, which gives operator an easy access.

Isolation chamber complete with Batteries for up to 8 hours of continuous use before battery charge required.

Isolation chamber is a fully collapsible unit that require minimal storage and is ready for use within seconds.

The chamber liner is made from a special TPU film and strengthened by inserting ABS poles along each side of the structure.

Belt system enables the patient to be fastened while in the chamber or the chamber is securely fastened to a stretcher or bed.

Technical Parameters: :-

Airflow Rate : $67 \pm 10\%$ (m²/h)

Chamber Noise : < 47dB (A)

Unfolded Size (Length*Width*Height) 1900*690*500mm

HEPA Filter : 4pcs, 99.999% efficiency for 0.3 μ m particles

Alarm : Audio and visual alarm for internal pressure insufficient and low power

Negative pressure : Up to - 15pa in 2 minutes after power on

Standard Accessories : The main chamber, 4pcs disposable HEPA filter, Negative generation system, 20pcs PVC gloves, Battery and charger

Consumables : HEPA filter, PVC gloves

Disinfection : Disinfect the isolation chamber for 6 hours with ethylene oxide gas (600mg/L) under the condition of temperature 54°C and relative humidity 80%

Optional : Stretcher (at extra price)

Battery voltage : DC12V

Package Size (Length*Width*Height) : 477*57*64 Cm (Carton box)

Net Weight:18kg

Gross Weight : 20kg

Load-Bearing : Up to 150kg

Power Supply : AC220V $\pm 10\%$, 50/60Hz; 110V $\pm 10\%$, 60Hz,

Detailed Specifications :-

Negative Generation System :-

The negative pressure generation system is used to establish and maintain the negative pressure environment in the closed cabin.

Utility Portals :-

Oxygen infusion ports for infusion and oxygen infusion for patients.

Glove Portals :-

10 operation ports are attached, and disposable gloves are put on the accessories to facilitate the care and maintenance of patients inside.

Zipper System :-

The cabin is sealed with a waterproof sealed zipper.

HEPA Filter :-

The filtration efficiency of 0.3 μ m aerosol particles is not less than 99.99%

Belt :-

Belt system enables the patient to be fastened while in the chamber or the chamber is securely fastened to a stretcher or bed.

ABS Poles :-

The chamber liner is made from a special TPU film and strengthened by inserting ABS poles along each side of the structure.

Chamber Isolation chamber :-

Complete with Batteries for up to 8 hours of continuous use before battery charge required.




WORKING PRINCIPLE :-

The negative pressure isolation cabin for the transport of infectious patients is to implement a safe isolation and transfer device for new, sudden and highly infectious patients during the transfer process to prevent further spread of pathogens, protect the external environment from pollution, and reduce the infection of healthy public probability.

The working principle of the negative pressure isolation cabin :-

The polluted air in the cabin cannot overflow without purification, thereby providing effective protection for medical personnel; Fresh air can be purified and replenished to the cabin in real time, maintaining reasonable fresh air and oxygen concentrations in the cabin, which can provide a relatively comfortable environment for patients.

For the transport infectious patients is that the negative pressure generation system is used to establish and maintain the negative pressure environment in the closed cabin.

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