

# SYSTEM OF BIOLOGICAL PROTECTION

## ISOLATION NEGATIVE PRESSURE CHAMBER BIOBOX EBXT-06

The isolation negative pressure chamber Biobox EBXT-06 with inflatable tubular construction designed for isolation and hospitalization of individuals with highly dangerous infection. The protective Biobox function is based on negative pressure creation inside the isolation chamber, thereby protecting the surroundings from highly dangerous infection transmission.

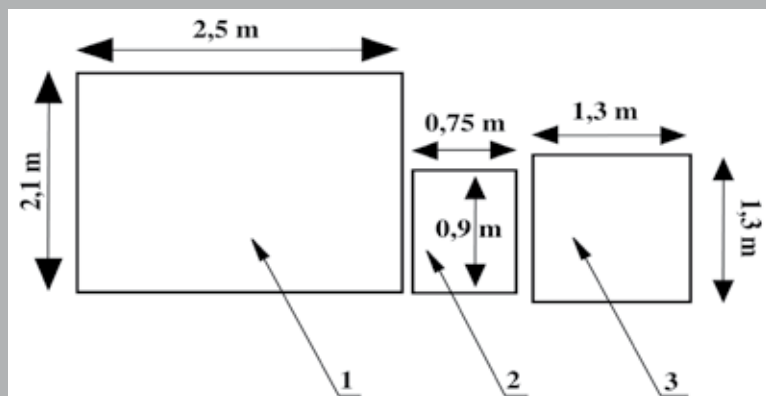
- quickly erected and serviceable within 15 minutes by two persons
- balanced air distribution inside the chamber through double roof
- filtration-ventilation unit ensures complete air exchange in the isolation chamber every 2 minutes
- expelled air goes through HEPA-filter with built-in source of UV radiation which destroys captured organism
- filtration efficiency is 99,9995%
- through the use of entrance port it is possible to connect medical devices outwardly and thereby protect them from contamination, ports are also used for connection of infusions, respiratory device, etc.
- facility for staff and equipment decontamination after exiting the chamber in attached decontamination module



### The plan lay-out of complex – internal dimensions

1. Biobox
2. airlock of Biobox

3. decontamination module



### Equipment for Isolation under pressure chamber Biobox EBXT-06

#### Inflation blower



#### Filtration - ventilation unit



#### Decontobox, water distribution, barrels



The isolation negative pressure chamber offers an immediate and highly effective isolation of contagious individuals, decontamination and follow on safe contact of medical staff with patient. It offers BSL-3 standard of protection.

The product is certified by accredited testing centre TÜV CZ and it is classified in the category of class 1 medical supplies. This product was also clinically tested in the Teaching Hospital Na Bulovce in Prague, CZ.



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