

„HAZMAT PROTECT 2018“

SYSTEM OF BIOLOGICAL PROTECTION

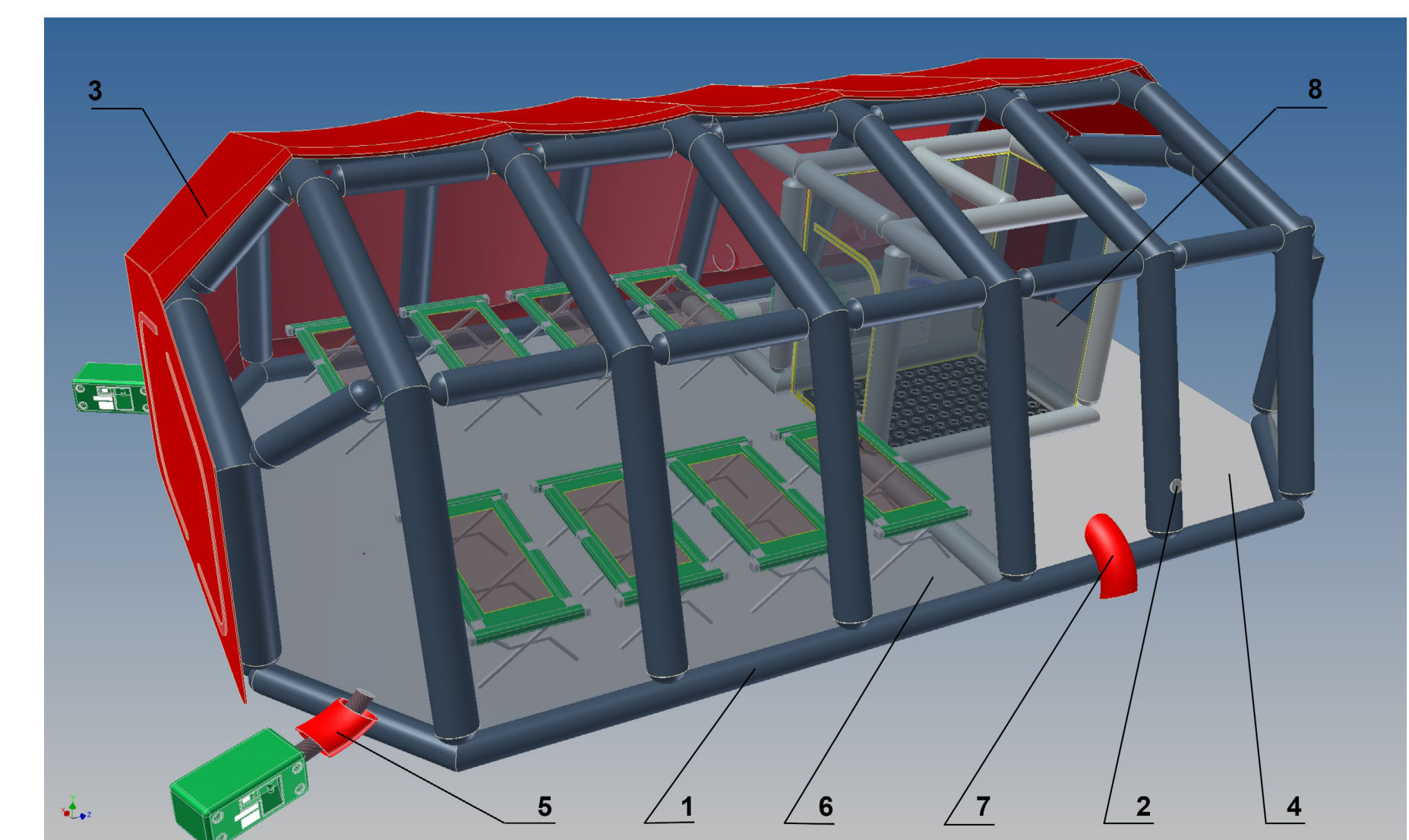
ISOLATION NEGATIVE PRESSURE ES-56 LP EBXT

The isolation negative pressure tent ES-56 LP EBXT serves to isolate and treat more people with highly dangerous infections. Its purpose is to provide a safe quarantine space based on the negative pressure, protecting the environment from infected patients by placing them into the isolation tent.

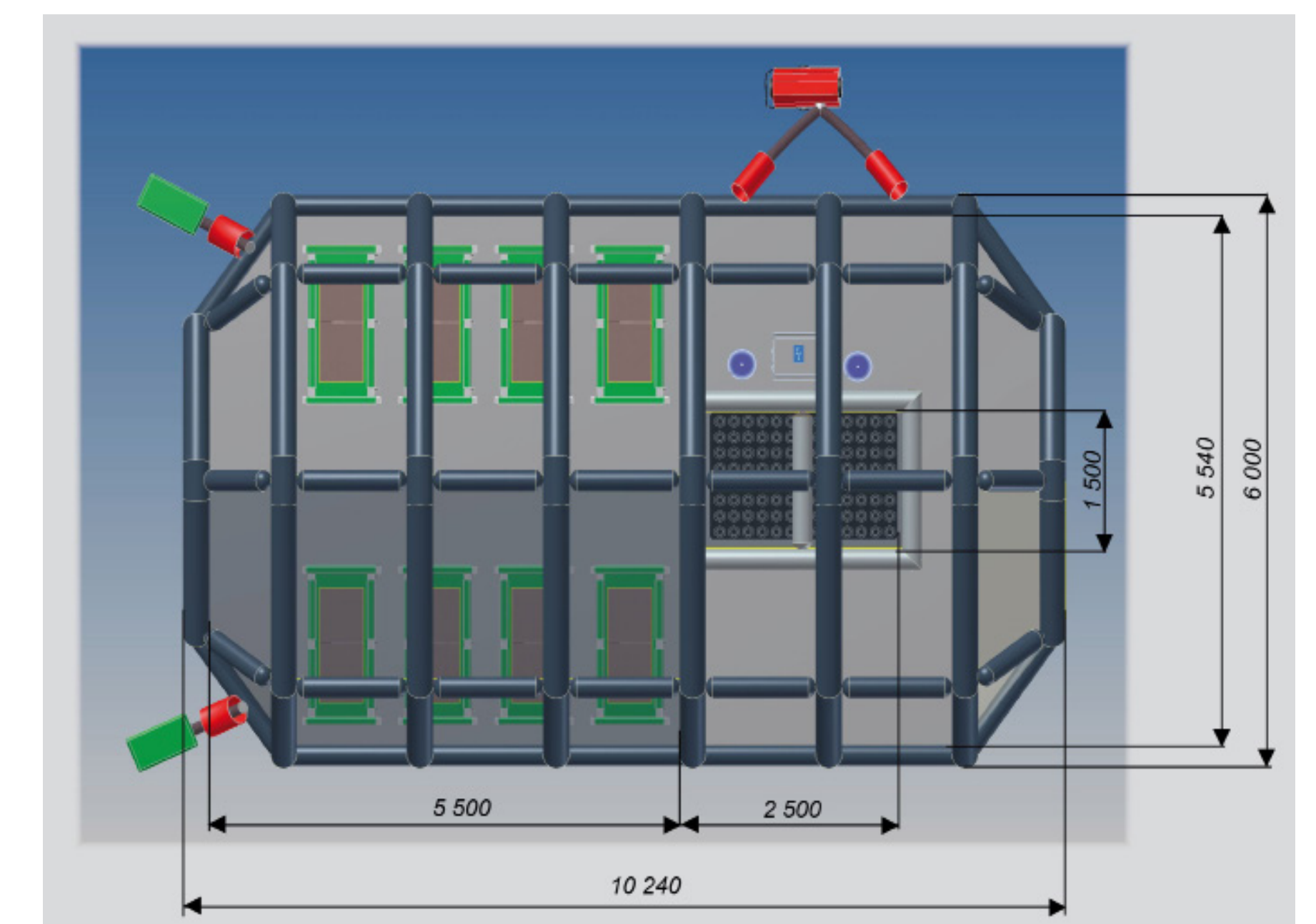
- rapid erection and serviceability thank to inflatable tubular construction
- capacity of up to 8 hospitalized persons
- optimal negative pressure inside the tent
- sucked out contaminated air goes through HEPA-filter with built-in source of UV radiation that destroys captured organisms
- filtration efficiency is 99,9995%
- special inner built-in liner with transition chamber
- facility of staff and equipment decontamination after exiting the chamber in attached decontamination module
- technical entry for inner equipment installation

Technical data (tent inflated)

- lenght – external/internal 10 240 / 10 240 mm
- wight – external/internal 6 000 / 5 540 mm
- height – external/internal 3 030 / 2 730 mm
- used area cca 51 m²
- dimension in packed form 1 500 x 1 000 x 850 mm
- height of tent (without any other equipment) 195 kg
- operating pressure in the inflatable construction 23 – 29 kPa
- time inflated 6 minut



- 1 tubular construction
- 2 inflated/deflating valve
- 3 roof
- 4 floor
- 5 filter ventilation unit
- 6 isolation chamber
- 7 sleeve for connection heating
- 8 decontamination module



ACCESSORIES

DEKONTBOX PUMP

The device is designed for ensuring liquid flow (decontamination liquid or water) into decontamination circle nozzles and for decontaminated water suction. The pumping equipment consists of two pumps, a compression tank and a switchboard with a 230/24V power supply.

- diaphragm pump for distribution of decontamination liquid into nozzles
- diaphragm pump for contaminated water suction
- pump inlets are protected by filters
- GEKA couplings are used to connect the hoses
- dimensions: 570 x 405 x 610 mm (l x w x h)
- 2 barrels with capacity of 120 l (for decontamination liquid and waste)
- weight: 29 kg



FILTRATION VENTILATION SYSTEM

The system is equipped with powerful filtration system including NBC filter and HEPA filter for chemical, radioactive, bacteriological contamination, dust particles (allergens, pollens, organic solvents, acid vapours and gases, alkaline vapours and gases, formaldehyde vapours, mercuric vapours, poisonous gases) etc.

- air-flow rate: 250 m³/hod
- pressure: 650 Pa
- electric input: 674 W; 1 phase
- electric current: 3 A
- weight: 30 kg
- dimensions: 666 x 344 x 336 mm



ELECTRIC COMPRESSOR

The device is designed for an immediate inflation of the tubular construction. According to air pipes the compressor can fill the construction with the air or discharge it when disassembling the construction in order to have it perfectly folded and packed.



HEATING AGREGAT

Technical parameters:

- high pressure fuel pump
- combustion chamber heat resistant up to 850 ° C
- stable output temperature approx. 100-120 ° C
- highly efficient heat exchanger (91%)
- power 24.8 kW
- fan pressure 100 Pa
- fuel tank volume 40l

