

# DECONTAMINATION SYSTEM

## DECONTAMINATION TENT FOR CIVIL USAGE

The ES-56LDK decontamination tent offers decontamination and hygiene cleaning of persons in field conditions who have been in contact with dangerous chemicals, biological and other dangerous substances. This system is mainly used in civil sector where all the actions are carried out only in one tent.

### BASIC CHARACTERISTICS

- transit capacity 40 persons per hour
- double chamber tube system
- 2 inflation/discharge valves
- 2 safety pressure valves
- anchoring system through ropes and floor boards

- warm water supplied by diesel heater
- contaminated water suction by electric pump
- decontamination solution is applied by 5 nozzles and 1 hand nozzle for inaccessible areas, 2 shower heads and a hand shower for rinsing in each corridor
- flow capacity: 0,8 – 1,1 l/min depending on the pressure (each nozzle)

### Decontamination tent ES-56LDK

The tent is of inflatable tube construction which enables a rapid assembly through a compressor or pressurized air bottles. The tent interior is divided into 2 identical corridors (for men and women). Each corridor is divided into 3 sections – undressing section, decontamination and cleaning section and dressing section. There is a catch tank for contaminated solutions in the decontamination and rinsing parts.



### TECHNICAL DATA

#### Dimensions:

- outside: 10 000 x 6 000 x 3 000 mm (l x w x h)
- inside: 10 000 x 5 540 x 2 700 mm (l x w x h)
- folded and packed: 1 500 x 1 000 x 850 mm (l x w x h)

Effective workspace: 50 m<sup>2</sup>

Undressing area: 15 m<sup>2</sup>

Decontamination and cleaning area: 20 m<sup>2</sup>

Dressing area: 15 m<sup>2</sup>

Weight: 230 kg

Inflation time: 6 minutes (including the inside tank inflation)



### RECOMMENDED EQUIPMENT

#### Transportable diesel water heater EMOV-1

The diesel heating system is designed for water heating and keeping the temperature as set by thermostat. There is a 20 l barrel hanging on the device frame which ensures the fuel supply to the system. GEKA couplings are used to connect the pipes.

- diesel consumption: 7 l/h
- current connection: 230 V/50 Hz
- water capacity: 180 - 2400 l/h
- water temperature: 40 °C
- max. operating pressure: 8 bar
- dimensions (l x w x h): 1 100 x 750 x 830 mm
- weight: 120 kg



#### Submersible pump

The device is designed for liquid distribution (decontamination liquid or water) into decontamination shower nozzles and rinsing showers (through the heater).

- GEKA couplings are used to connect the hoses
- power: 0,75 kW
- current connection: 230 V/50 Hz
- Qmax: 96 l/min.
- weight: 10 kg



#### Self-sucking electric pump

The device is designed for contaminated water suction from the catch tank.

- GEKA couplings are used to connect the hoses
- power: 0,75 kW
- current connection: 230 V/50 Hz
- Qmax: 83 l/min.
- weight: 10,6 kg



#### Compressor ESK-200

The device is designed for an immediate inflation of the tent tubular construction and catch tank. 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.

- wattage: 2 x 0,96 kW
- current connection: 230 V/50 Hz
- air flow: 46 l/s
- weight: 16 kg
- dimensions (l x w x h): 400 x 335 x 390 mm
- max. overpressure: 45 kPa



#### Rubber mat

It covers the decontamination and cleaning section, prevents from slipping and falling and stops waste water from reverse contamination. They can be delivered in various sizes.

- colour: black
- weight: depending on the mat type



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