



CBRN PROTECTION

BIO-BAG EBV-30/40 IN-CH

A mobile device of a negative pressure mode intended for a transport of a person suspected with a highly contagious disease, or a person affected by biological agents, transported from the place of contamination to a facility intended for the treatment of such affected persons. In a positive pressure mode, it is possible to use the Bio-bag to protect the patient during transport from the environment.



MAIN ADVANTAGES:

- large windows for easy monitoring of the patient's health
- pairs of sleeves with replaceable gloves enabling basic procedures to be performed during transport
- reliable adjustable five-point patient fixation system with central buckle during transport
- self-supporting system in the form of a folding aluminium frame with the possibility of fixing to the means of transport
- large inlet port for connection of respiratory support devices, inlet ports for routing infusion tubing, drains and ECG electrode cables
- padded back pad for greater patient comfort
- easy maintenance, easy decontamination
- increased plane of opening the hermetic zipper for easier opening and closing of the bag
- suitable for use in CT and X-ray

BASIC PARAMETERS

- **dimensions in active state:**
203 x 64 x 56 cm (l x w x h)
- **weight without packaging:**
18,5 kg
- **folded Bio-bag in bag:**
weight: 21 kg
dimensions: 96 x 30 x 62 cm (l x w x h)
- **folded Bio-bag in rucksack:**
weight: 23 kg
dimensions: 70 x 28 x 98 cm (l x w x h)
- **load capacity:**
150 kg

CERTIFICATION:

- EN 143/A1:2006
- EN 12941:1998/A2:2008
- EN 12942:1998/A2:2008



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- work in the negative pressure or positive pressure mode with the possibility of quick mode change
- greater height of the isolation cabin increases the comfort of the transported patient



negative pressure mode



positive pressure mode



filters for air inlet/outlet



filter-ventilation unit
allows use of 4 speeds of the airflow



colour display
shows the speed of the airflow, the degree
of clogged filters and battery charge status



sleeves with gloves
easy replacement of gloves, including
cover cases



hermetically sealable pocket
for additional insertion of things into
the Bio-bag



transport rucksack
for better manipulation during transport



transport bag
for storage in the folded state





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TECHNICAL PARAMETERS

Dimensions:	Unfolded dimensions – external	203 x 64 x 56 cm (L x W x H)
	Folded dimensions – in the transport bag	96 x 30 x 62 cm (L x W x H)
Weight:	Weight of all the set including the transport bag	21 kg
Loading weight:		150 kg (BIO-BAG)
		200 kg (with chassis for stretcher ultraROLLER II, foldable)

Material:	Protective bag	PES fabric coated by PVC on both sides
	Gloves	fabric with nitrile rubber coating – 3 pairs
	Zipper fastener	hermetic zipper
	Welding	high-frequency welding
	Supporting structure	folding aluminum tubes

Protection:	Negative pressure mode
	Positive pressure mode
	Inner environment secured by filtration-ventilation unit with corresponding P3 class filters with RD 40x1/7" double thread mounted on
	Certification according to EN 143, EN 12942, EN 12941

Filtration-ventilation unit:	Volume flow rate: 4 degrees	Clean AIR Chemical 2F
	Weight with filters P3 and accumulator	160, 185, 210, 235 dm ³ /min
	Noise level	1,3 kg
	Accumulator replaceable	55 – 61 dB
	Accumulator lifespan	Li-Ion 14,4 V
	Time of the operation	max. 500 charging cycles
	Accumulator charger	min. 6 hours while the battery is fully charged at the lowest air flow rate
	Charging time of the cycle	included
	Power adapter 12V/24V for car socket	Approx. 3 hours
	Certification according to EN 12942, EN 12941	on option

Air Flow / Exchange	provides min 20 air exchanges per hour with transported patient
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Particle filter with two RD40x1/7" threads efficiency	99,998% minimally
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The units conform with:

- IP64 – shower decontamination 1 – full protection from splash of liquids from any angle (when the system is ON, fitted with CleanAIR filters)
- IP65 – shower decontamination 2 – full protection from water jets from any angle (when the system is ON, fitted with CleanAIR filters incorporating pre-filter holder and spark arrester)
- IP68 – immersion disinfection 3 – full protection from continuous submersion in water/disinfection solution (when the system is OFF, fitted with decontamination plugs)



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