

# SYSTEM OF BIOLOGICAL PROTECTION

## PROTECTIVE BIOLOGICAL AND CHEMICAL SUIT EBO-10

The protective biological and chemical suit EBO-10 with filtered air inlet enables the user to enter environments with a risk of presence of dangerous biological, chemical or deleterious substances. The inner space is secured by air positive pressure supplied by filtration-ventilation unit that is hung on a belt inside the protective suit.

- user's protection is secured by inner positive pressure
- filtration-ventilation unit supplies sufficient amount of filtered air (120 dm<sup>3</sup>/min)
- accumulator guarantees at least 8 hours of operating time
- quality of filtered air is ensured by appropriate filters, placed outside the suit
- optimal volume of inner positive pressure is ensured by one-way overpressure valves
- large view-through
- special hermetic zip fastener
- all seams are super-sealed by elastomeric mixture
- fabric: butyl rubber



### Technical parameters

- weight of the suit approx. 3000 g for size No.1 (without: filtration-ventilation unit, underwear, boots and gloves)
- weight of boots: 2200 g for size No.45
- weight of filtration-ventilation unit: 1650 g (incl. 2 pcs of P3 filter and air hose)

### Materials

- overall: fabric, two-side-coated with butyl rubber
- view-through: polymethyl-methacrylate (PMMA)
- boots: mixture of polyvinyl chloride (PVC) and nitrile rubber with the slip-resistant profile
- rubber gloves in green: nitrile rubber
- rubber gloves in black: butyl rubber
- seams: sewn, rubber-mixture covered (insulation) at the outer surface



The protective suit provides the highest level of protection within ventilated suit category 1c-B.

The product is certified by accredited testing centre the Occupational Safety Research Institute Prague in compliance with ČSN EN 14126:2004 and ČSN EN 943-1:2003 and its assigned NSN code is 160057688. It was also clinically tested in the Teaching Hospital Na Bulovce, the Military Institution of Hygienic and Epidemiology of Bratislava, SR and in the Utilitary Epidemic Institute in Ha Noi, Vietnam.



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