

## GVS9 BIO Filter



Against solid/liquid, aerosol and biological agents

### Technical Specifications:

The GVS9 BIO filter is a Personal Protective Equipment (PPE) in category III, in accordance with EC Directive 686/89.

This PPE has obtained EC type – examination certificate for protection against biological agents (groups 2 and 3, as listed in the EC Directive 54/2000, Annex III) and solid-liquid aerosols in accordance with harmonized standard EN143.

PPE patented by CLcom: WO 2003/041801

### Special technical Specifications:

The GVS9 BIO filter with a threaded connector in accordance with EN148/1 standards, is suitable to be used with full face masks and/or half face masks, using the same connector.

Grant an excellent breathing.

### Applications/areas of use

The P.P.E. GVS9 BIO filter can be used to protect the worker against biological agents in group 2 and 3 (as listed in the EC Directive 54/2000).

This PPE also guarantees an excellent protection against liquid and solid aerosols.

Suitable to be used in the following working activities:

- Sanitary-hospital settings (emergency, first aid activities, infective diseases, etc..)
- Veterinary area (e.g. Avian flu, Antrax, BSE, etc...);
- Medical Humanitarian emergency,
- Researches laboratories;
- Microbial diagnostic laboratories, Biosafety Laboratories BSL -2 and 3;
- Industrial areas;
- Biotechnology and Pharmaceutical industry;
- Waste material treatment and clearance,
- Public care sector,
- Army;
- Livestock-breeding sector; agriculture,
- Civil defence—infection after disaster.

# GVS9 BIO Filter



### Certification

The GVS9 BIO filter is a Personal Protective Equipment (PPE) in category III, in accordance with EC Directive 686/89. This PPE has obtained EC type – examination certificate for protection against biological agents (groups 2 and 3, as listed in the EC Directive 54/2000, Annex III) and solid-liquid aerosols.

### Microbial analytical methodology and EN standard requirements

The protection against biological agents offered by GVS9 BIO filter has been tested using both MS2 bacteriophage and Brevundimonas Diminuta in a microbial analytical methodology, to demonstrate its protective efficiency against bacteria, parasites, fungi and viruses ( 2 and 3 groups as listed in the EC Directive 54/2000, Annex III).

The protection against liquid and solid aerosols has been checked on the PPE by the Notified Body through the EN 143 technical Norma testing.

### Performance

- Bacteria retention efficiency is > 99,99 %
- Virus retention efficiency is > 99,99 %

### Materials (product latex free & solvent free)

- Filter media: hydrophobic with high mechanical filtration performance
- Container rectangular in Butadiene Styrene

### Sterilization

The PPE can be sterilized by ethylene oxide.

### Storage

The shelf life of the filter in their original packaging, if kept correctly inside their packaging, is indicated as per pictogram.

The correct storage conditions are: room temperature from + 5 °C to + 40 °C ; R.H. < 60 %

### Expire date

- 5 years from production date, following the above mentioned storage conditions in the original packaging.

### Instructions for use

Please before use, read the instruction for use.

### Application limits for the protection against biological agents:

- To grant a protection against biological agents, The PPE can be used once and it must be changed every 8 working hours. For every question on this matter, please get in touch with our technical department.
- This filter does not protect against biological agents of group 4 ( as listed in the 54/2000/EC Directive)

### Utilization

- It must be used just once and they cannot be washed or disinfected to be used again