

## Filtering Device with Hood for Escape from Fire



### Purpose

Filtering device with hood for escape from fire ZEVS-U is intended for protection of respiratory apparatus, eyes and head of adults and children

older than 12 from toxic combustion products including carbon monoxide other chemically hazardous substances and aerosols in the form of smoke, dust, mist generated because of fire.

ZEVS-U is a single use device which is used for self rescue of a person at evacuation during fires in hotels, residential and administrative buildings, hospitals, crowded buildings and other analogous objects.

ZEVS-U corresponds to the requirements of EN 403:2004 and referred to the class «S» (available for storing).

Filtering device with hood for escape from fire ZEVS-U corresponds to the Main Safety Requirements according the Directive of European Union

(EU)2016/425 (Annex II) and the requirements of EN 403:2004 «Respiratory protective devices for self-rescue – Filtering devices with hood for escape from fire – Requirements, testing, marking», class «S».

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#### Application conditions

Filtering device with hood for escape from fire ZEVS-U refers to the filter type protective

devices. It is used for protection against toxic combustion products when oxygen content in the ambient is not less than 17 % volume fractions and ambient temperature is from 0 to +60 °C. ZEVS-U maintains its protective properties even after 200 °C temperature influence during 1 min and short-term influence of an open flame with temperature 800±50 °C during 5 seconds.

## Protective properties

ZEVS-U provides universal and effective protection within 30 min against:

toxic combustion products (carbon monoxide, hydrogen cyanide, hydrogen chloride, acrolein);

organic gases and vapours with boiling point above 65 °C (cyclohexane, chloropicrin, acetonitrile,);

inorganic gases and vapours (chlorine, hydrogen cyanide, hydrogen sulfide);

acid gases and vapours (sulfur dioxide, hydrogen chloride, anhydrous hydrogen fluoride,);

ammonia;

nitrogen dioxide;

specific hazardous chemical substances (cyanogen chloride, phosgene, acrolein, chloropicrin);

aerosols (dust, smoke, mist) including biological aerosols and radioactive dust.

## Advantages:

high level of effectiveness;

provide protection against wide range of damage substances;

physiologically correct comfortable breathing and speech communication;

one universal size for adults and children;

it is convenient in operation, special preparation and training of the user isn't required.