ZEVS

TECHNICAL DATA SHEET

FILTERING SELF-RESCUER WITH HOOD FOR ESCAPE FROM FIRE ZEVS 15E

Purpose and conditions of use

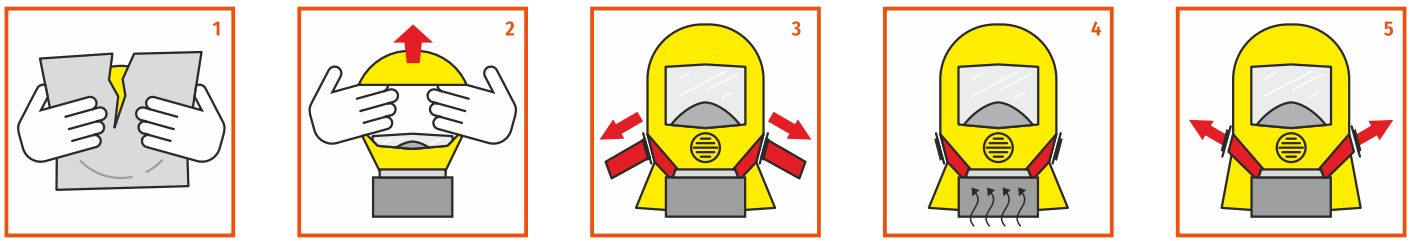
1. The self-rescuer is designed to protect the respiratory organs, eyes and head of a person from the effects of toxic combustion products, including carbon monoxide, other chemically hazardous substances and particles in the form of smoke, dust, fog generated during fires, and is used when the concentration of oxygen in the environment is at least 17%.
2. The self-rescuer is intended for use during evacuation from fires in hotels, residential and administrative buildings, hospitals, facilities with a large stay of people and other similar objects.
3. It provides effective protection during 15 minutes for adults and children over 12 years old.
4. The self-rescuer is a single-use device.

Principle of operation

The inhaled air passes through the filter. It is cleaned of toxic substances. Then the purified air enters the respiratory system.
The exhaled air is discharged through the exhalation valve.

The order of application

Carefully read the instructions for putting on the self-rescuer located on the bag.



1. Remove the sealed package from the bag, tearing it along the incision, remove the self-rescuer.
2. Stretch the neck seal, put on the hood, half mask should be tightly pressed to face.
3. Pull the head harness straps forward and down.
4. Breathe quietly, leave the dangerous zone.
5. In a safe area, loosen the head harness straps by pulling back the buckle tabs. Remove the hood.

Inhaled air may heat up, but this is normal as it indicates the presence of carbon monoxide in the air.

Packaging

Self-rescuers in a sealed package are packed in a bag, which has also got the pictogram and the directions for use. The bag is sealed and can be opened in case of fire.

ZELINSKY GROUP

Zelinsky Group Ltd.
57, Dubininskaya str., Moscow
Russia, 115054

Phone:
+ 7-916-81-42-136

export@zelinskygroup.com
www.en.protivogaz.ru
www.en.zelinskygroup.com

Specifications

Name of indicator	Value of indicator
The initial resistance of the self-rescuer to air flow at a flow rate of 30 dm^3 / min or a constant air flow at a flow rate of 95 dm^3 / min, Pa (mm.w.g.), not more than: - When inhaling - When exhaling	 700 (71,5) 300 (31)
The breakthrough time of the self-rescuer filter for test substances at the specified concentration, min, not less than:	
- carbon monoxide, 2500 ml / m^3	15
- carbon monoxide, 5000 ml / m^3	15
- carbon monoxide, 7500 ml / m^3	15
- carbon monoxide, 10000 ml / m^3	15
- hydrogen cyan, 400 ml / m^3	15
- acrolein, 100 ml / m^3	15
- hydrogen chloride, 1000 ml / m^3	15
Coefficient of suction, %, not more than:	
- sulfur hexafluoride in the inner mask space	2,0
- sodium chloride in the visor area	20,0
Filter permeability coefficient by sodium chloride aerosol, %, not more than	6
Volume fraction of carbon dioxide in the inhaled air, %, not more than	2,0
Self-rescuer weight (without bag), g, not more than	600

Storage conditions

1. ZEVS 15E must be stored in the manufacturer's packaging at an ambient temperature from -30 °C to + 60 °C in a dry place, protected from the effects of precipitation and groundwater.
2. Do not store the self-rescuer with chemicals.
3. The standby self-rescuer should be stored in an easily accessible place at room temperature.
4. When storing and carrying the self-rescuer in a bag, control the expiration date and the tightness of the package through the inspection window of the bag. The leakage is characterized by bloating package.

Manufacturer warranty

1. The manufacturer guarantees that the self-rescuer meets the requirements of EN 403: 2004, in case the user observes the storage and operating conditions.
2. The guaranteed shelf life of the self-rescuer in the packaging of the manufacturer is 6 years from the date of manufacture.

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