



MINE SELF-RESCUER PROX M60

Component parts of PROX M60

Smoke goggles



Nose clip



Mouthpiece



Heat exchanger



Connecting hose



Breathing bag



Starting device



Regenerative canister



Purpose

Emergency protection of human respiratory organs during evacuation from an unbreathable atmosphere:

- underground personnel at mining enterprises;
- personnel working in tunnels and in other industries.

Conditions of use

UNKNOWN
COMPOSITION AND
CONCENTRATION
OF HAZARDOUS
CHEMICAL
SUBSTANCES
IN THE AIR

AMBIENT
TEMPERATURE

FROM **-20°C**
TO **+60°C**

Working principle

The working principle of the self-rescuer is based on the use of chemically bonded oxygen. The self-rescuer isolates the respiratory and visual organs of a person from the environment using a mouthpiece, nose clip and smoke goggles.

When you exhale, the respiratory gas mixture through the connecting hose enters the regenerative canister, where carbon dioxide and moisture are absorbed, and in return, oxygen is released in an amount sufficient for breathing.

The self-rescuer is activated by a starting device. Breathing is carried out in a closed pendulum system.

Service characteristics

- The self-rescuer is ready for immediate use;
- The self-rescuer is intended for single use only;
- Closed pendulum breathing system;
- A simulator has been developed to train personnel in the techniques of using the self-rescuer.

Packaging

The self-rescuer is packed in a case with a user's manual. The packaging is sealed and opened in case of an emergency.

Case of PROX M60

- Convenient and fast activating of the device;
- The presence of a tightness indicator on the top cover of the case;
- The presence of the pictogram with the procedure for turning on the self-rescuer;
- The case is designed to be carried permanently on a shoulder strap or on a belt.



Specifications

Name of indicator	Value of indicator
Resistance to breathing during inhalation and exhalation with pulmonary ventilation 35 dm ³ /min, not more, Pa (when performing an average physical activity)	800
Breakthrough time, min, not less: - when performing an average physical activity (exit from the emergency area); - when performing heavy physical activity (running);	60 18
The temperature of the inhaled gas breathing mixture, °C, not more	50
Time of putting on and activating the self-rescuer, s, not more	15
Overall dimensions in a case, mm	Ø 142 x 270
Product weight in packaging, kg, not more	2,6

Shelf life – 5,5 years

Guaranteed service life – 5 years