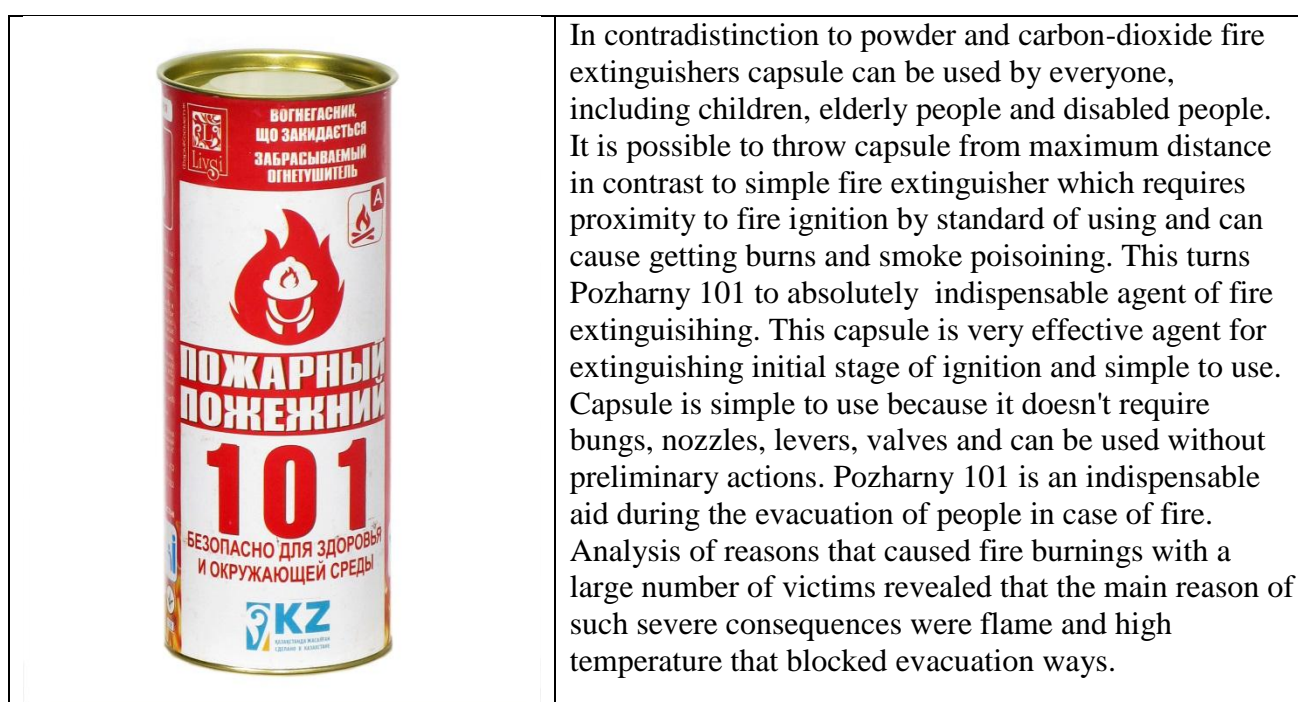


We would like to offer you an innovative and unique agent for fire extinguishing. Manual fire extinguisher for throwing "Pozharny 101".

Fire extinguisher "Pozharny 101" is intended to extinguish A-class burnings at an early stage instead of or additionally to portable fire-extinguishers. Using manual fire extinguisher for throwing "Pozharny 101" allows to make quick evacuation of people out from fire zone. "Pozharny 101" is a complex combined mixture. Pozharny 101 ensures great extinguishing effect among conditions of use. «Pozharny 101» impacts burning zone by combined way making cooling effect and displacing oxygen out from the fire zone. This results in creating thin layer of membrane which prevents repeat of burning inside burning zone. It is safe for people, animals and environment. Liquid has weak and soft smell of ammonia. Extinguishing liquid is not aggressive and can be washed off with running water. It doesn't make eye and skin irritation. Fire extinguishing liquid "Pozharny 101" is safe for breathing and skin. It is harmless, even in the case of prolonged exposure to humans.



Considering its compactness and easy using Pozharny 101 helps to clear evacuation way by extinguishing fire and cooling surfaces. Well-timed using of fire extinguisher Pozharny 101 can help to save a large number of lives.

Mode of application:

Throw capsule above fire ignition or into ceiling over fire ignition to broke the capsule. Extinguishing liquid pulverizes over burned surface and localizes fire ignition.

Technical characteristics:

- Mass of capsule, g (+-10g) - 925
- Capacity of capsule, ml, sm³ (+-10g) - 720
- Diameter of capsule, not more than (mm) - 77
- Length of capsule, not more than (mm) - 199
- Type of case - trauma-safe plastic
- Temperature range of application C - minus 15 – plus 50

«Pozharny 101» successfully extinguishes:

- Hard and soft wood species, dry grass, lumber, wood plating, as well as all other wood products, all types of fabrics, clothes, shoes, carpets and decking, curtains, wallpapers, paper and paper products, pressed paper;
- Rubber and celluloid products;
- All types of plastic materials and etc.
- Animal fats and vegetable oils;
- Insulation of electrical wires

Recommended installation objects:

- Apartments
- Educational institutions
- Living and office spaces, cottages
- Hospitals
- Ships, trains and airplanes
- Personal and public transport
- Warehouses, production workshops
- Hotels, trading houses
- Hostels, shops, barbershops, markets, beauty salons
- Laboratories of different directions
- Sports and entertainment complexes, stadiums
- Airports, railway stations, bus stations
- Sanatoriums and boarding houses
- Military units
- Hangars, repair areas of aerodromes and railway depots, subways
- Cinemas, theatres, museums
- Archives
- Garages and parkings
- Banks
- Communication buildings and structures
- Food industry enterprises and etc.

Maintenance is not required. Free access to control working capacity is required for locations of fire-extinguishers "Pozharny 101". «Pozharny-101» doesn't require maintenance during all period of exploitation. It is recommended to make visual inspection of devices every year to find possible damages. **Operating principle of fire-extinguisher «Pozharny 101».** When the situation of burning is happened we take capsule of fire extinguisher "Pozharny 101" in right hand (left-handed must take it in left hand) and then throw it higher than center of ignition or throw it to ceiling over it to destroy the capsule. Extinguishing substance pulverizes over center of ignition and turns to gaseous phase. Extinguishing liquid affects the center of ignition by combined way and makes strong cooling effect to displace oxygen from the center of ignition. This results in creating is created thin layer of membrane to prevent repeat of burning inside extinguished zone. It is possible to mix "Pozharny 101" with water for effective extinguishing of big burnings. To achieve this you have to mix one pre-destroyed capsule inside additional capacity (a bucket) with water, but not more than 8 liters of water. The effectiveness of extinguishing by this type of solution is 20 times more than extinguishing with plain water. There is no pressure in the capsule. The capsule is made of trauma-safe plastic. Transportation of fire extinguishers "Pozharny 101" is possible by any type of transport, including air. Transportation of fire-extinguishers for throwing "Pozharny-101" realizes by cargo air transport. Transportation by passenger air transport realizes in luggage compartment. Transportation of manual fire extinguishers for throwing "Pozharny-101" by railway, automobile, sea and river transport can be realized without any limits.

Guarantee period of exploitation of fire-extinguisher «Pozharny-101» is 3 (three) years after creation day.

Comparison between simple fire extinguisher and manual fire extinguisher for throwing Pozharny 101

Simple extinguisher	Advantage /Disadvantage	<u>Manual fire extinguisher for throwing Pozharny 101</u>	Advantage /Disadvantage
1.) Is used during initial stage of fire burnings.	Standard	1.) Is used during initial stage of fire burnings.	Standard
2.)Technically complicated, has lots of units and mechanisms. 20 -30 components	Disadvantage	2.) Simple decision - case and liquid	Advantage
3.)High risk of component breaking. Doesn't work as a result!!!!	Disadvantage	3.)Works 100 % if it is available	Advantage
4.) It is impossible to understand its working capacity visually. You don't know does your extinguisher work or not.	Disadvantage	4.) You can see liquid inside the capsule visually. This means it works!!!!	Advantage
5.) Pre-training is necessary for using simple extinguishers because most of people don't know how to use them.	Disadvantage	5.) Pre-training isn't required. Just throw into fire to broke the capsule.	Advantage
6.)Requires maintenance every year .	Disadvantage	6.) Doesn't require maintenance. Guarantee period of exploitation is 3 years.	Advantage
7.) Case and its components are susceptible to corrosion.	Disadvantage	7.) Is not susceptible to corrosion. Guarantee period of exploitation is 3 years.	Advantage
8.) Regular verification of weight and pressure.	Disadvantage	8.) Everything is seen visually. Doesn't need verification.	Advantage
9.) Rusty extinguishers are under pressure which can result in explosion.	Disadvantage	9.) Outflow of liquid is not dangerous if capsule is damaged.	Advantage
10.) Bulky and uncomfortable	Disadvantage	10.) Compact. Stylish design. Can be used as interior detail.	Advantage
11.) Length of water jet at extinguishing is 3 m. Dangerous proximity to fire.	Disadvantage	11.) Length of throw by 7-10 years old children, elderly people and disabled people is 5-7 m. Length of throw by adult people is 7-15 m. Safe proximity to fire.	Advantage
12.) High risk of repeated burning	Disadvantage	12.) Object of ignition is covered by membrane layer which prevents repeated burning.	Advantage
13.) Powder extinguishers don't reduce temperature of burning.	Disadvantage	13.)Temperature of burning object reduces quickly during extinguishing. .	Advantage
14.) Volume extinguishing effect required during evacuation is absent.	Disadvantage	14.) Evacuation can be made because extinguishing makes volume extinguishing effect.	Advantage