

Annex No. 1

Technical Specification "Firefighting Backpack" COBRA 20

1. GENERAL INFORMATION

1.1. The subject of this technical specification is the procurement of 200 forest firefighting backpacks intended for use by firefighters of the General Inspectorate for Emergency Situations under the Ministry of Internal Affairs.

1.2. This technical specification defines the dimensions, technical, and quality requirements that the firefighting backpack (hereinafter referred to as "the backpack") must meet.

1.3. The backpack is intended for extinguishing fires using sprayed water jets in hard-to-reach areas, as well as vegetation and forest fires over large areas where intervention vehicles cannot access.

1.4. The backpack must bear the CE conformity marking and be accompanied by a certificate of conformity compliant with EU standards and requirements for equipment used by intervention teams during missions in fire-affected areas.

2. CONSTRUCTION MATERIALS AND TECHNICAL REQUIREMENTS

2.1. The backpack shall have an ergonomic design that allows for quick donning and adjustment to the user's body size, without restricting movement.

2.2. The backpack includes the following components: double-action hand pump, filling inlet, hermetic cap, carrying handle, straps, triple securing harness, water jet regulator, bottom drain, filler cap lock, and closure system for tank replacement.

2.3. The materials used in the backpack, especially those that come into contact with the user's skin, shall not cause irritation or illness.

2.4. The design shall allow complete disassembly for maintenance, cleaning, and washing of all components, including with detergents, decontaminants, or disinfectants.

2.5. The base of the backpack (the water reservoir) is made of a single-layer material with a capacity of 20 liters, constructed from durable fabric coated with yellow PVC for increased visibility.

2.6. The backpack is equipped with a rubber hose reinforced with textile layers, ending in a leak-proof manual pump capable of adjustable water jet discharge of at least 10 meters (compact jet) or 5 meters (sprayed jet), and fitted with durable straps.



2.7. The manual pump is double-action, has a smooth surface, and is equipped with a metal nozzle for flow regulation.

2.8. The back padding (between the reservoir and the user's back) is made of thermal insulating material to ensure comfort and protection against cold water.

2.9. The harness is adjustable, with wide, fully adjustable straps for the shoulders, waist, and chest.

2.10. The cap and filling inlet are sufficiently large to allow easy water filling without removing the backpack.

2.11. The carrying handle is large, made of plastic or leather with plastic reinforcements, allowing easy handling of the filled backpack.

2.12. The backpack is supplied with a carrying bag and a set of essential spare parts (gaskets, rings, valves, etc.) for the manual pump.

2.13. The total weight of the fully equipped backpack (manual pump, discharge hose, and all components) does not exceed 2.5 kg.



Best Regards,

Administrator

Igor Pojar



R. Moldova, MD-3542, mun. Orhei, com. Piatra.
Oficiu, MD-3500, or. Orhei, str. Vasile Lupu 50.



+37379903785
+37369900089



info@techplanet.md
www.techplanet.md