

CELTIC NATURE
CAS WT-03



Water purification system
CASCADE MILITARY TECHNOLOGY



CASCADE Technology

The proposed system is very useful as an outdoor potable water supply especially for military and fire brigades. CAS WT-03 compact portable water treatment system is characterized by small dimensions, high performance and easy portability. It can be used for water treatment of various origins: wells, rivers, lakes, surface water and groundwater, even extremely contaminated water. The device improves the taste and structure of water, protects against bacteriological and chemical contamination, removes radionuclides, e.g. radon, and ensures the highest quality drinking water.

Mobile water purification CAS WT 03 Military

Perfect solution for outdoor trekking, army, fire squad, and others rescue squads. The system CAS is able to produce high quality drinking water from local sources - rivers, lakes, dams and wells, regardless of how these sources may be contaminated. The device operates at 12 V power or manual pump. It is produced in a backpack version or as a module fitting into a car. The individual versions offer the capacity of potable water supply from 50 to 200 people. The weight depends on the equipment and ranges from 15 to 25 kg. In case of highly polluted water it is necessary to count with input filtration of insoluble mechanical particles. All produced mobile units are certified in European Union.

Technical specification

The device operates at 12 V power or manual pump. It is produced in a backpack version or as a module fitting into a car. The individual versions offer the capacity of potable water supply from 50 to 200 people. The weight depends on the equipment and ranges from 15 to 25 kg. In case of highly polluted water it is necessary to count with input filtration of insoluble mechanical particles.

Dimensions: height 56 cm x length 32,5 cm x width 21 cm. Size might be different because it depends on the structural design package. It can be made of stainless steel or carbon fibre. The equipment is possible to be made of bulletproof Kevlar for military purposes.

Power	V/Hz	12/7Ah
Performance	W	40
Pressure	bar	3,5
Water temperature	°C	1-40
Consumption activator	2g	10 l water

Our technology has following characteristics:

- very high efficiency of pollution reduction up to 98%,
- selective capturing of impurities, which helps to solve specific problems in a particular area (dedicated systems),
- a very small amount of individual sewage (often only a few liters per one m³ of treated water) which can be processed into liquid mineral fertilizer,
- non-chemical method of water treatment,
- competitively small dimensions of equipment allowing for the use of existing infrastructure,

In case of requirements for special effectiveness and characteristics of our devices do not hesitate to contact us.