

# Fresh ice water

Deuterium Depleted water made by  
natural process

Apparatus “Crystal springs”



Human body 70% consists of water. The nutrients absorbed from food in a dissolved form only. For their dissolution person must consume at least 2-2.5 liters of pure water per day.

In developing countries, as much as **80%** of **illnesses** are **linked** to poor water \*

According to the World Health Organization, for every \$1 invested in water and sanitation, there is an economic return of between \$3 and \$34! \*

**Water quality is the primary prerequisite for good health. The longevity of the highlanders drinking water from clear mountain streams is excellent confirmation.**

\* - [https://thewaterproject.org/water-scarcity/water\\_stats](https://thewaterproject.org/water-scarcity/water_stats)

***Tap water is not potable in most countries and requires post-treatment at the place of consumption.***

It is now additionally purified by passing through the cartridge filters. But they need to be replaced periodically as any, even the most well-known brands have filters limiting contaminant capacity.

Over time, the filter becomes a collection of impurities, home to intensively breeding microorganisms and their metabolic products. Filled it starts giving filth back into drinking water.

# Alternative is Fresh Ice Water!

Since ancient times it is known to mankind about the useful effects of melted water on the development of biological objects, health and life expectancy of people.

In nature, the melted water passes freezing process - turning water into the crystal structure. Almost 100% of its molecules is converted into a single type, ejecting "outsiders" of the crystalline lattice in brine

In the crystallization process and subsequent thawing water (transition from liquid phase to solid phase and vice versa) is sterilized by the sun, which is rich of ultraviolet at mountains

Obtained water retains its bioactive properties only for 4-8 hours from it's birth – the moment of dissolution of the last pieces of ice.

At the time of thawing is formed a fresh melt water, which structure is most similar to that of human intercellular fluid, which determines its metabolism.

In the intercellular fluid are discharged cell waste materials and using the same fluid cells receive nutrients.

# Melted protium water artificial process

- Melted protium ( $1H$ ) water can be obtained during normal water freezing and melting, which leads to coagulation and precipitation of a residue portion of pollutants.
- When receiving protium water freezing and thawing process of water is regulated by person and at certain stages, the "heavy water" and brine is removed. The resulting purified water is melted protium water.
- Reducing the concentration of heavy water even at 3-5% dramatically increases bio-stimulating properties of melted protium water.

# Our process

*We obtaining fresh melted water in “Crystal springs” apparatus, copying Nature technology :*

1. Crystallizing water by freezing of glacier on top of the mountain in the light of ultraviolet;
2. Self-cleaning by ejection of insoluble and soluble impurities, the output of "heavy water" to the brine and its removal;
3. Dropping of glacier to the “valley” and thawing with the saturation of oxygen and sun energy.



# Personal usage apparatus “Crystal springs”



**Not connected to tap (municipal) water with manual control  
autonomous devices with output 5-10, 10-15 u 20 kg/day**



**Stationary connected to water supply system,  
automatic apparatus with output from 35 to 1200 kg  
of ice per day**



# Produced ice put into transparent reservoir for melting in sun rays



# Scientific proofs

Scientific research of defrosted water started in USSR in earlier 1960s and followed by Western and Asian researchers in mid 1970s, following by first commercial apparatus in mid 1990s. This technology was used at Soviet and Russian spacecrafts for obtaining potable water

## Some articles related to subject:

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# Medical proofs

Influence of fresh melted water to animals and humans were conducted in Ukraine since 1970s by Prof O. A. Lastkov at Donetsk Medical Institute and Donetsk Research Institute of Hygiene, Safety and Occupational Diseases. It was proven that by clinical research among coal miners and metallurgical workers as well as clinical practice in hospitals, including Donetsk children hospital #1, other ambulances and sanatoriums :

- Fresh melted water increases immunity
- Revealed a sizeable increase in working staff efficiency in comparison to control group
- In the treatment of the large list of diseases fresh melt water accelerates the healing process, especially in respiratory diseases.

# Installation in clinics

In the Sanatorium "Shakhterskie Zori", Donetsk, Ukraine



ГОСУДАРСТВЕННОЕ  
ОТКРЫТОЕ АКЦИОНЕРНОЕ ОБЩЕСТВО  
ШАХТОУПРАВЛЕНИЕ "ДОНБАСС"  
САНАТОРИЙ-ПРОФИЛАКТОРИЙ  
"ШАХТЕРСКИЕ ЗОРИ"



# Installation in clinics

Rehabilitation hospital of Security Service of Ukraine, Brovary city



  
СЛУЖБА БЕЗПЕКИ УКРАЇНИ  
ВІЙСЬКОВО-МЕДИЧНЕ УПРАВЛІННЯ  
ЛІКАРНЯ  
ВІДНОВНОГО ЛІКУВАННЯ  
(з дислокацією в м. Бровари)

# Competition

**PROTO, Russia.**

**Output, kg/day: 2,5**

**Size, cm: 39\*35**

**Weight, kg: 12 ,0**

**Price, \$: 2500**



**ICEBERGHOME, Ukraine**

**Output, kg/day: 2,0**

**Size, cm: 60\*40\*150**

**Price, €: 2500**

**This devices provides automation for obtaining clear ice by deep freeze. Weaknesses are high energy consumption, low output of ice and technical difficulties of it's growth and as a result high cost of produced water.**

# Comparison of technical characteristics of competitive models and “Crystal springs”

Characteristics	Russia, PROTO	Ukraine, ICEBERGHOME	“Crystal springs”		
			KP-10	KP-50	KP-300
Daily electricity consumption, W	280X24= <b>6720</b>	320X24= <b>7680</b>	150X24= <b>3600</b>	303X24= <b>7272</b>	1670X24= <b>40080</b>
Average output, kg/day	2,5	2,0	7,5	48,0	275
Specific energy consumption for 1 kg of ice, W	<b>2688</b>	<b>3840</b>	<b>480</b>	<b>152</b>	<b>146</b>
Price	2500 \$	2500 €	1000 €	5000 €	12000 €
Specific costs for 1 kg of ice	<b>1000 \$</b>	<b>1250 €</b>	<b>133,3 €</b>	<b>104,2 €</b>	<b>43,6 €</b>