

RESEARCH CENTER "IKAR"

Developments awarded prestigious awards
at international salons:



Gold medal,
Geneva, Switzerland

Silver medal,
Brussels, Belgium

Bronze medal,
Geneva, Switzerland

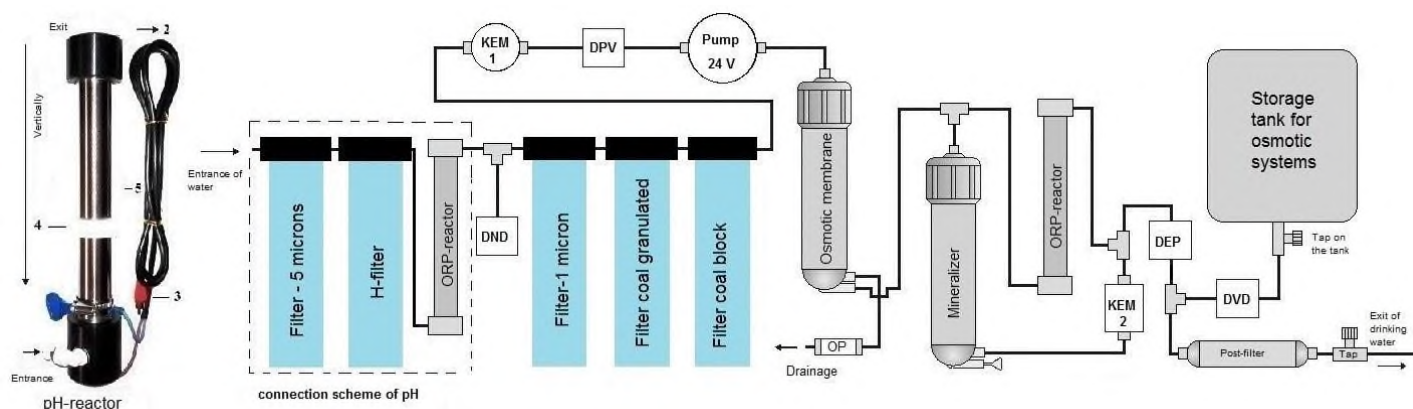
PH-REACTOR «IKAR» (mod. 01ph)

PASSPORT
AND
USER'S MANUAL

Izhevsk

PH-REACTOR

Connect a pH reactor * while changing the post-filter to the mod.01os or mod. 01m device (<http://eng.ikar.udm.ru/i-si-01os.htm>) according to the scheme (place the pH vertically, the entrance is from the bottom, where the wire contacts):



1. Operating conditions

1.1. Standard Requirements

- Ambient relative humidity up to 80% (at 25 °C).
- Ambient temperature +5...+40 °C.
- The unit should be installed inside the living area.

1.2. Source water requirements

- Source water temperature +10...+30 °C.
- Pressure in the range of 2 ... 5 atm.
- Mineralization no more than 500 mg/l.
- Chlorides, sulfates, not more than 300 mg/l.
- Hardness no more than 7 mg-eq/l.
- Calcium (Ca²⁺) no more 50 mg/l.
- Magnesium (Mg²⁺) no more 50 mg/l.
- Ferum (Fe²⁺) no more 0,3 mg/l.
- Ferum (Fe³⁺) no more 0,3 mg/l.
- Manganese (Mn) no more 0,1 mg/l.
- pH in the range 5...8.

2. Specifications

▪ Maximum productivity, l/day	50
▪ Minimum analysis of water from the tank, l/day	2
▪ Change of ORP (ΔORP), mV**	-100...-300
▪ pH change (ΔpH)	1...3
▪ Consumed elec. power (max), W	7
▪ Resource of replaceable anode, l ***	2000-10000
▪ Net weight (without water), kg	0,7
▪ Dimensions of packaging (W x H x D), mm	100×100×400

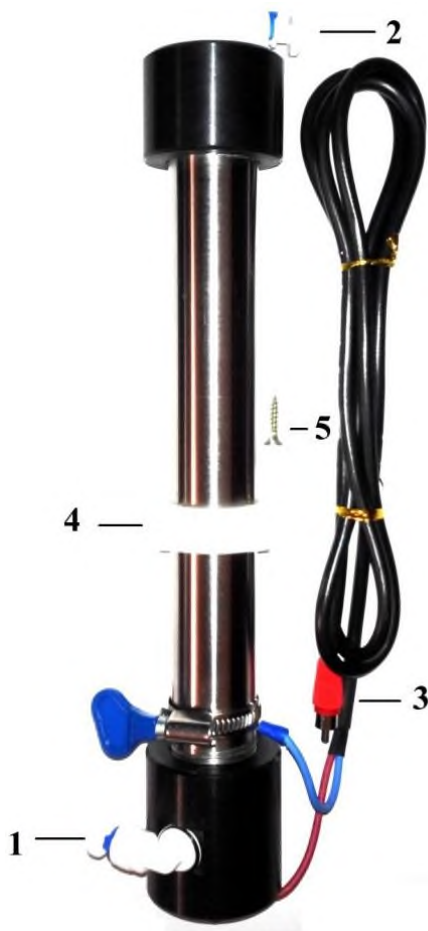
* pH adjustment range **over 30% with high pH**, use as **recommended by specialists**;

** see measurement of pH and ORP of non-equilibrium aqueous solutions – <http://eng.ikar.udm.ru/faq.htm>, <http://eng.ikar.udm.ru/dsi-2.htm> (<http://ikar.udm.ru/files/pdf/ikar-info-water.pdf>, “To the discussion about lowering the pH after reverse osmosis filters ...”, “Thank you very much for your help!”);

*** depends on the control range, connection diagrams, properties and composition of the source water, [video](#) to replace the anode – https://youtu.be/L_BE0zdrIOk.

3. Completeness

- 1 – water inlet,
- 2 – water outlet,
- 3 – power cord,
- 4 – fastening bracket,
- 5 – fastening screw.



Notes (edit):

Activation of liquids is the transfer of liquids to a nonequilibrium thermodynamic state with a resonant microcluster structure. The activated liquid has excess internal potential energy, which causes its abnormal activity. This property can be used to intensify various chemical, biochemical and physical processes <http://eng.ikar.udm.ru>, in particular, to obtain condensed media with unique properties http://ikar.udm.ru/files/pdf/ikar_xxi.pdf.

The device design is protected by RU and WIPO patents.

Before using activated aqueous solutions, it is necessary to familiarize yourself in detail with the information on the manufacturer's website:

<http://eng.ikar.udm.ru>,
<http://eng.ikar.udm.ru/faq.htm>,
<http://eng.ikar.udm.ru/mis-rt.htm>, <http://eng.ikar.udm.ru/stand.htm>,
<http://eng.ikar.udm.ru/links.htm>.

If necessary, consult with the manufacturer's specialists. **Do not experiment on yourself or use prohibited and unapproved techniques.** We will be grateful for all your comments, suggestions, developments on all our installations <http://eng.ikar.udm.ru>.

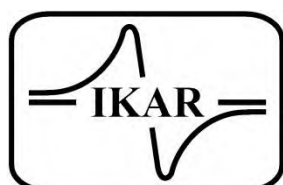
4. Certificate of acceptance

“IKAR”(mod.01ph) – pH- reactor to devices “IKAR” (mod. 01os), (mod.01m) complies with TC 28.29.12-001-09377433-2017 and recognized as serviceable.

Representative of QCD _____

Date of sale _____

Stamp here.



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RESEARCH CENTER ЦЕНТР "ИКАР"

Devices and environmental safety systems for home, office and hospital

http://eng.ikar.udm.ru/avk_com.htm



(mod.01os)

Device modifications:

mod. 01os – to obtain activated drinking water of the highest quality with a given mineral composition and antioxidant properties, the device is equipped with a built-in controller and three flow sensors with a two-level display system - monitoring the operation of osmosis systems (purification), activation (water ionization), mineralization (optimization of mineral composition).



(mod.01m)

mod. 04 – universal device for obtaining activated liquids with negative redox potential (drinking water, beverages, saline, blood) based on non-contact and contact activation of liquids for use in everyday life and various fields of national economy (medicine, agriculture, industry, oil production)



(mod.04)

mod. 2000 – mini-factory for obtaining the highest quality of drinking water, washing, disinfecting and sterilizing solutions, disinfecting water in swimming pools.



(mod. 2000)

Translated by Shironosova O.E.

Found a mistake?

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