

# DEVICES FOR TREATMENT OF DIABETES COMPLICATIONS

## WIT-S



The "WIT-S" device is used for the preparation of singlet-oxygen mix by the activation of purified steam using UV radiation in a constant magnetic field and by the additional activation by red optical spectrum. The obtained mixture is used for singlet-oxygen inhalation, activation of water/aqueous solutions, preparation of singlet-oxygen cocktail or foam.

The use of the singlet-oxygen mixture is rational in the prophylaxis and treatment of various diseases associated with a breakdown of oxidation-reduction processes in the body and with damage to aerobic metabolism. The presence of the singlet-oxygen mixture in the body leads to an increase in free radicals and also to activation of biochemical processes in the body.

The device is intended to be used: in hospitals, nursing homes, prevention centers, rehabilitation centers, beauty salons, at home.

### **The benefits of using the SINGLET OXYGEN mixture:**

- Standardization of the antioxidant potential of the body
- Enhanced immunity of the organism
- Reduction of the risk of organism infection
- Stabilization of aerobic metabolism
- Improvement of the rheological properties of the blood
- Standardization of the cardiovascular system functioning
- Renewal of the potential of cell membranes, which is improving their functioning

<b>Technical characteristics</b>	
Number of channels, pieces	<b>1</b>
Volume of product mixture, l/min	<b>3</b>
Volume of water poured into device, ml	<b>25</b>
Duration of one procedure, min	<b>1,3,5,7,9,15</b>
Power supply	<b>12V, 3A</b>

## WIT-MT



The "WIT-MT" physiotherapy device is intended for the treatment of patients with use of a low-frequency magnetic field and the optical flow of the red and infrared spectrum in addition. The device is intended to be used: in hospitals, nursing homes, prevention centers, rehabilitation centers.

### **Physiotherapy effect factors of the "WIT-MT" device:**

1. Pulsed magnetic field
2. Pulsed infrared laser light
3. Pulsed red laser light

## Advantages:

- Strictly localized action with the use of inductors
- Simultaneous multi-level action
- Strictly dosed effect based on the biological resonance frequencies of human organs
- Non-invasive action

## Therapeutic effect:

- anti-edematous
- anti-allergic
- regenerative
- normalization of blood flow in the microcirculation system
- regulation of metabolism
- regulation of the immune system
- increase in non-specific immunity
- anti-inflammatory and analgesic effect
- south pole – toning effect
- north pole – tranquilizing effect

<b>Technical characteristics</b>	
The maximum magnetic induction value	<b>30±5 mT</b>
Maximum power of the red optical stream ( $\lambda=630$ nm)	<b>50±10 mW</b>
Maximum power of the infrared optical stream ( $\lambda=850$ nm)	<b>90±18 mW</b>
Maximum power of the blue optical stream ( $\lambda=470$ nm)	<b>25±5 mW</b>
Frequency	<b>0...10 Hz, 0,1 Hz 10...99 Hz, 1 Hz</b>
Duration of a one procedure	<b>1...99 min</b>
Time interval between procedures	<b>15 min</b>
Power supply	<b>220 V, 50 Hz</b>
Power consumption	<b>20 W</b>



# WIT-01



The "WIT-01" device is designed to create hypertension or a mixture of air and ozone, when the lower limbs are connected to a barotherapy chamber.

The device is intended to be used: in hospitals, nursing homes, prevention centers, rehabilitation centers.

<b>Technical characteristics</b>	
Output pressure	<b>0,15...0,4 ±10% bar</b>
Duration of a one procedure	<b>30 min</b>
Time interval between procedures	<b>10 min</b>
Power supply	<b>220 V, 50 Hz</b>
Power supply	<b>100 W</b>

**Innovation Enterprise "IMPULS" is a distributor of these devices**

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