

TIANOX DELIVERY KIT

- + NO, NO₂ monitoring unit
- + Generator
- + Electric plant
- + Purification unit
- + Neutralizer
- + Air supply unit
- + Stand with base
- + Handle for removing the purification
- + Unit flask tubing for connection to a breathing circuit

Accessories

- + Monitoring unit bag
- + Stand with base

Documentation

- + Instruction manual
- + Control form



MAIN RUSSIAN HEALTHCARE ENTITIES USE IT



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ROSATOM
RDS

NITRIC OXIDE THERAPY DEVICE

- + TIANOX is a unique Russian-made nitric oxide (NO) therapy unit for adults and children, including newborns, with precapillary pulmonary hypertension
- + TIANOX is an innovative system that provides automatic synthesis and control of NO levels in the patient's system, eliminating the need for gas cylinders. Safe, effective and convenient device for medical professionals



AIT-NO-01

TIANOX®

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oxinitrogen.com

DEVICE BENEFITS

- + The device has no analogues. Patented technology and registered trademark
- + The unit's price is significantly lower than that of existing systems without NO synthesis
- + Certified Medical Device, registration certificate No. RZN 2020/10997 dated Jun 22, 2020
- + Simple and convenient: user-friendly, mobile and requires no special settings
- + Saves your budget: no need to buy NO cylinders, the unit synthesises NO on its own
- + The device is completely safe for doctors and patients

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SCOPE OF APPLICATION

Pulmonology

Anesthesiology / Critical care

Cardiology

Neonatology & Pediatrics

Transplantology

Rehabilitation

(incl. POST COVID-19)

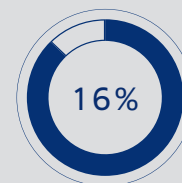


RESEARCH FINDINGS

«In patients with precapillary pulmonary hypertension in the postoperative period of cardiac surgery, therapy with nitric oxide synthesised from atmospheric air reduces pulmonary vascular resistance by 35% and average pulmonary artery pressure by 16%»



Pulmonary vascular resistance decreases



Average pulmonary artery pressure decreases

Source: Evaluation of the clinical efficacy and safety of nitric oxide synthesized from room air in the postoperative period of cardiac surgery. Translyatsionnaya meditsina / Translational Medicine. Volume 8 No. 1/2021.

TECHNICAL SPECIFICATIONS

Source gas

Air

NO dosage

1 ppm to 100 ppm

Step

0.1 ppm

Exit gas temperature

Room temperature

NO and NO₂ monitoring

Continuous

Threshold setting

NO_{max}, NO_{min}, NO_{2max}

Purging of measurement sensors

Automatic

Power supply

220 V / 50 Hz

Power consumption

Max 100 W

Weight

25 Kg

Height / diameter of base

0.7 M / 1.4 M

Continuous operating time

At least 24 hours