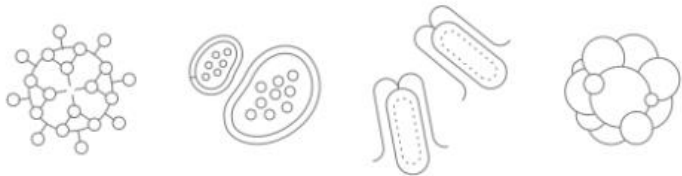


POTOK RUSSIAN PATENTED AIR DECONTAMINATION TECHNOLOGY

POTOK destroys 99.99%* of air-borne microorganisms and viruses of all types (including coronaviruses) in any premises, preventing the spread of infections transmitted by air-borne droplets from patients (pathogen carriers) to healthy people



Air is decontaminated through exposing the protein of microorganisms to permanent electric fields of critical intensity, which leads to them losing their viability.

Equipment service life – up to 10 years.

	POTOK	HEPA FILTERS	UV/UV-A+HEPA	OZONE + HEPA
PHYSICAL DESTRUCTION OF MICROORGANISMS	0.5 sec. per 1 go	X	only in case of long-term treatment using large doses (concentrations)*	
NON-SELECTIVITY	V	V		
SAFETY FOR HUMANS	V	if the filter is replaced frequently	X overheating of lamps => cessation of disinfection**	X you are required to monitor the permissible exposure limit***
REQUIRES NO REGULAR REPLACEMENT OF CONSUMABLES	V	X	X	X
ENERGY EFFICIENCY	V	not applicable	X	X

Scientific validation:

IVANOVSKY INSTITUTE OF VIROLOGY, CENTRAL RESEARCH AND DEVELOPMENT INSTITUTE FOR TUBERCULOSIS, GAMALEI INSTITUTE OF EPIDEMIOLOGY AND MICROBIOLOGY, RUSSIAN ACADEMY OF MEDICAL SCIENCES, VECTOR STATE RESEARCH CENTER OF VIROLOGY AND BIOTECHNOLOGY, KOREA CONFORMITY LABORATORIES, HARVARD SCHOOL OF PUBLIC HEALTH

The POTOK technology has received the highest acclaim:

PRIZVANIE AWARD

for contributions to the development of medicine made by representatives of non-medical professions

AWARD FROM THE RUSSIAN GOVERNMENT

in science and technology for developing and implementing the air decontamination technology

EXPORTER OF THE YEAR AWARD

for achievements in non-energy exports

POTOK is the only air decontamination technology used on the International Space Station's Board (Roscosmos and NASA segments).

Leonid Roshal,

Professor, Director of the Research Institute of
Emergency
Pediatric Surgery and Traumatology

“Air samplings in the premises equipped with POTOK units have revealed the absence of pathogenic microflora in the air.
This indicator significantly affects the reduction of the risk of infection and complications.”

The loyal customer list of POTOK includes:



- 01 500+ medical institutions in Russia and abroad
- 02 Roscongress Fund (including the summit Russia-Africa Summit)
- 03 PAO Sberbank and URALSIB Insurance
- 04 DANONE and PEPSICO
- 05 NASA and Roscosmos
- 06 Innopolis University
- 07 Technopolis Moscow SEZ
- 08 Moscow Zoo, etc.

In the current epidemiological situation, not only medical institutions but also administrative buildings and structures need integrated retrofitting to protect employees and visitors from air-borne infections.

Solution 1

Equip premises of any purpose of administrative buildings and structures with POTOK self-contained return units, which require no connection to ventilation and air conditioning systems.

Capacity: 120-900 m³/h

Version: standalone/overhead/floor

Energy demand: 10-200 W



Solution 2

During the design and major repairs of administrative buildings and structures, integrate POTOK channel and laminar air decontamination units into the ventilation system.

Capacity: 180-8,640 m³/h

Version: channel,
laminar overhead, and cell-type units

Energy demand: 10-120 W

