

WE CURE AIR

# POTOK

air  
decontamination  
technology



**potok**<sup>®</sup>  
BIOINACTIVATION  
SYSTEMS

The most efficient solution for indoor  
air decontamination





WE CURE AIR

## POTOK TECHNOLOGY: WHAT IS IT?

Potok air decontamination technology is a patented method for destroying all microorganisms including bacteria, viruses, mold, and fungi in indoor air

The Smorodintsev Research Institute of Influenza (a Russian Ministry of Health federal institution) confirmed POTOK's effectiveness in the fight against SARS-CoV-2

## POTOK equipment is used in:

- ▶ Food industry
- ▶ Healthcare
- ▶ Elderly care facilities
- ▶ Offices and commercial spaces
- ▶ Household
- ▶ Kindergatens and schools
- ▶ Sports centers
- ▶ Space industry
- ▶ Public transport

Automatic control over inactivation effectiveness ensure high reliability and safety of the device in all environmental conditions.



# Why choose **POTOK** equipment?

- 01** **NON-SELECTIVITY**  
kills 99.99% of all types of bacteria, mold, fungi, and viruses (including coronaviruses) detected in indoor air
- 02** **RELIABILITY**  
automatic inactivation control
- 03** **SAFETY**  
24/7 operation in presence of people
- 04** **ENERGY EFFICIENCY**  
10 W per 1000 m<sup>3</sup> of handled air
- 05** **ENVIRONMENTAL FRIENDLINESS**  
no chemicals are used for inactivation
- 06** **ECONOMICAL BENEFIT**  
no filters to change
- 07** **OPERATIONAL IN ALL CONDITIONS**  
air temperature and moisture do not affect the efficiency of the equipment

**08** PURCHASE UP TO 24 MONTHLY INSTALLMENTS  
legal entities can lease the device, which is classified as an expense

## 99,99%

POTOK kills all types of microorganisms and viruses, including antibiotic- and chemical-resistant strains



No HEPA filters



No dangerous chemicals



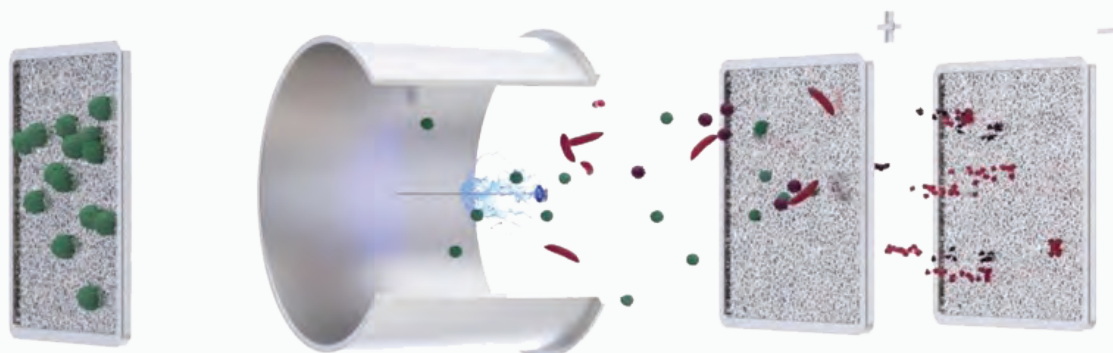
No UV



No hidden expenses

## What sets **POTOK** equipment apart from other air purifiers?

POTOK technology is based on the physical destruction\* of as much as 99.99% of microorganisms and viruses in indoor air without the use of hazardous chemicals. In the second phase, highly efficient electrostatic filtration of microbial residues ensures microbiological purity and safety of disinfected air.



\*The air is decontaminated by putting microbial cells and secondary and tertiary structures of viral proteins underexposed by constant critical electric fields

# POTOK Inter research and production company

POTOK Inter Research and Production Company was founded in 1994 by E. V. Volodina and A. V. Nagolkin, Russian scientists who had invented the Potok air decontamination technology, are authors of academic papers and practical guidelines, and holders of many patents.

01

## EFFICACY

Bioinactivation efficiency:  
minimum 99 %

02

## FILTRATION

The efficiency of air filtering  
is the same as provided by  
high-performance filters  
(E11-H14).

03

## PURPOSE

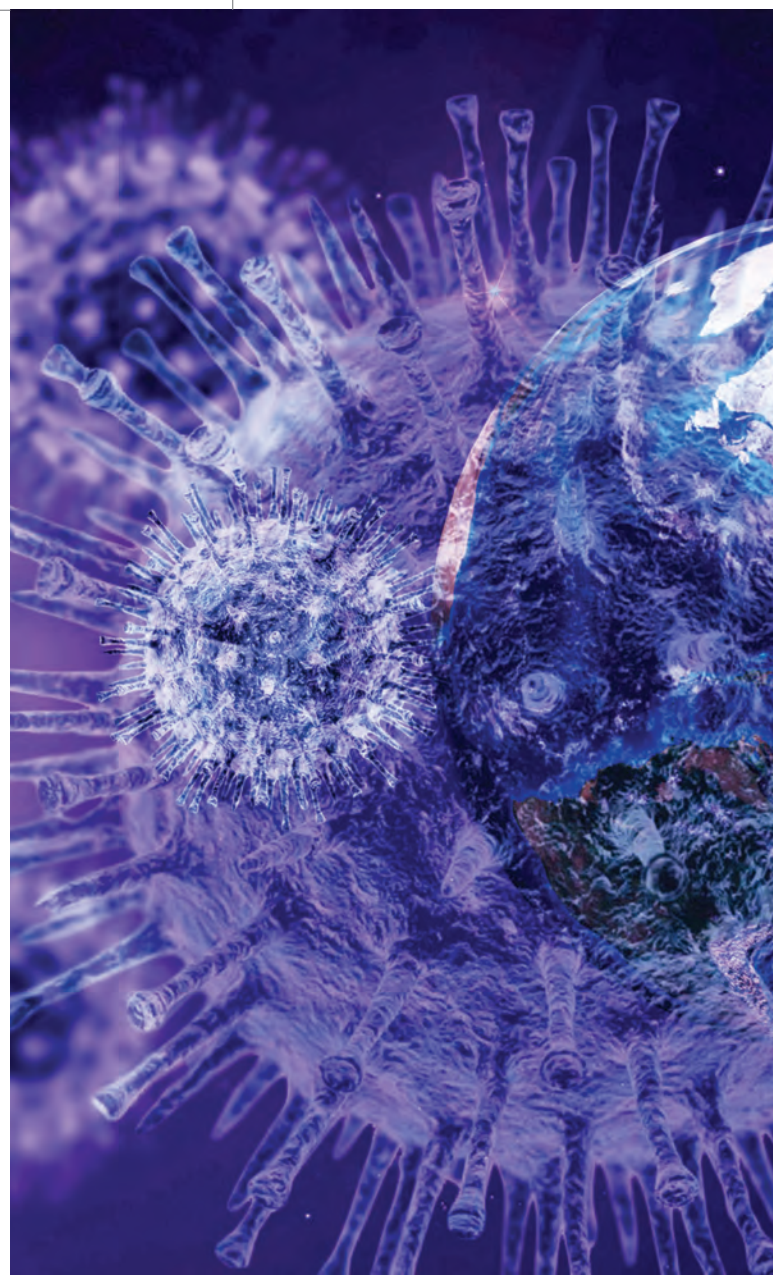
For rooms where  
microbiological purity of  
air must be maintained

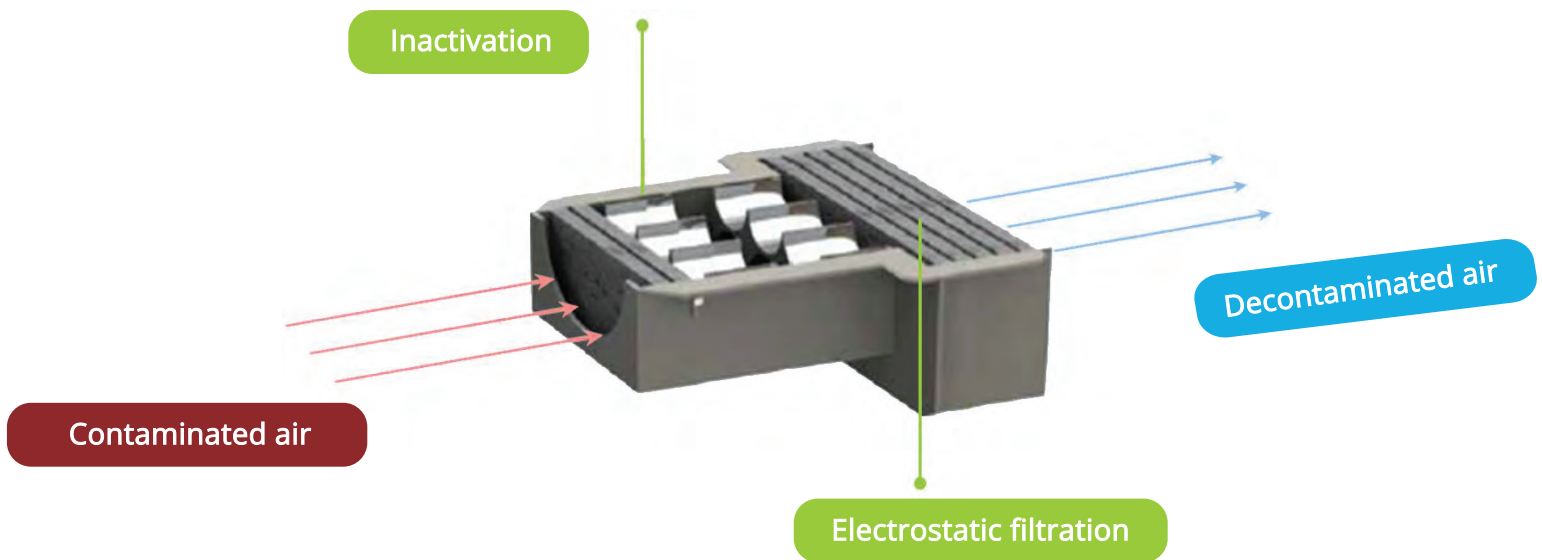
Theoretical research dedicated to the microbiological condition of the atmosphere suitable for safe long-term occupancy of manned spacecraft was implemented in the MIR space station. The equipment based on Potok technology was delivered to the space station to fight mold and other dangerous microorganisms. Today similar equipment is used in the International Space Station by Russian cosmonauts and NASA astronauts.

For more than 25 years the company has been engaging in research, developing, and producing equipment for healthcare facilities.

Potok air decontamination and fine filtering equipment are installed in operating rooms, intensive care units, emergency treatment rooms, delivery rooms, burn units, and other hospital rooms where air purity is essential.

The experience and wide array of equipment offered by the company permits finding the solution to any problem: from organizing "clean zones" with a unidirectional airflow to reducing local bacterial content of the air in the rooms of specific classes using standalone units.





The airflow passes through constant electric fields created by crosswise air-permeable electrodes consisting of high porosity conductive plates made of foamed metal. The electrodes are connected with a high-voltage power supply source to have alternating polarity. In twin-section charging chambers, the surface and intracellular and molecular structures are recharged many times, which inactivates (destroys) bacteria and viruses, and retains the destroyed biomass in the electrostatic precipitator. Porous dielectric plates placed between the electrodes are designed to precipitate the destroyed biomass, aerosols, and prevent ruptures that can be caused by humid and dust-laden airflow.

### Physical processes influencing microbial destroying:

1) electroporation in high voltage electric field the irreversible process of making ruptures in the cell membrane through which the cytoplasm flows out, without the possibility of recovery

2) destroying by electrostatic forces positively charged parts of the membrane, proteins and nucleic acids (RNA, DNA) move towards the negative electrode and negatively charged parts towards the positive electrode. This leads to the breaking of intermolecular bonds in molecules

### POTOK is a green technology that fully complies with the principles of sustainable development.

The technology was developed with the idea of being safe for human health and the environment (not to use or emit harmful substances). During its operation, POTOK equipment does not require the use of chemicals for inactivation or a special procedure for disposal.




### POTOK equipment provide microbiological purity of air in rooms where it must be maintained

POTOK technology has proven itself in all areas where microbiological air safety is of crucial importance:

- has been providing astronauts with clean air since 1995
- successfully fights against nosocomial infections and antibiotic-resistant strains
- in the food industry increases the shelf life and quality of products and decreases product losses



# HEALTHCARE APPLICATIONS



For effective control of pathogens in healthcare centers, indoor air must be decontaminated by the inactivation of microorganisms. POTOK units can be used for decontamination of air in any medical rooms, including cleanroom classes I, II, and III (Selected Microbiological Cleanliness Requirements for Hospital Rooms) (operating rooms, pre-surgical rooms, anesthetic rooms, central sterile supply department, wards, etc).

POTOK devices prevent the development of infections in hospitals and other health care facilities, including the development of MRSA (Methicillin-Resistant *Staphylococcus Aureus*) infections



# POTOK Laminar air flow ceilings

Air decontamination units with an air distribution device (laminar flow ceilings) are designed to supply a unidirectional flow to the working zone with a velocity of 0.24 to 0.3 m/s (47.25–59.06 ft/min).

They are used to create a unidirectional airflow with the velocity of 0.24 to 0.3 m/s (47.25 to 59.06 ft/min) and provide H14 filtering;

Not only do they achieve high-performance filtering but kill a minimum of 99 % of microorganisms.

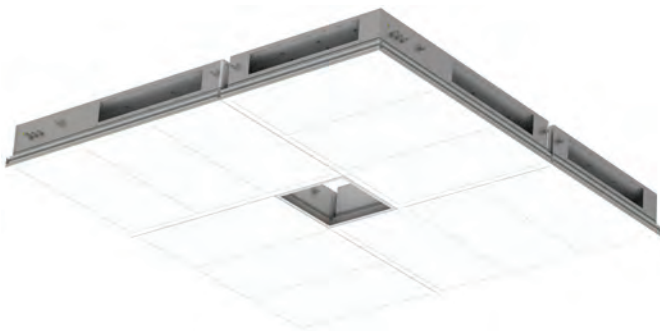
- ▶ Filtering efficiency: H14
- ▶ Bioinactivation efficiency: minimum 99 %

## For highly aseptic operating rooms

The cross-section area of vertical unidirectional airflow shall not be less than 9 m<sup>2</sup> (13,950 in<sup>2</sup>)

### POTOK LAD8640

unit in a one-piece outer enclosure with an air distribution device



↑ 7780 m<sup>3</sup>/h  
(4579.13 cfm)

with a given airflow velocity of 0.24 m/s (47.25 ft/min)

↑ 8640 m<sup>3</sup>/h  
(5085.31 cfm)

with a given airflow velocity of 0.27 m/s (53.15 ft/min)

### POTOK LAD4680

unit in a one-piece outer enclosure with an air distribution device



↑ 4500 m<sup>3</sup>/h  
(2648.6 cfm)

with a given airflow velocity of 0.24 m/s (47.25 ft/min)

↑ 4680 m<sup>3</sup>/h  
(2754.54 cfm)

with a given airflow velocity of 0.25 m/s (49.21 ft/min)

Dimensions	3200 x 3200 x 320 mm (125.98" x 125.98" x 12.60")
Weight	880 kg (1940.07 lb)
Electric power requirement	120 W

Dimensions	3200 x 1900 x 320 mm (125.98" x 74.80" x 12.60")
Weight	475 kg (1047.2 lb)
Electric power requirement	80 W

## For minor surgery rooms and emergency treatment rooms

### POTOK LAD4320

unit in a one-piece outer enclosure with an air distribution device



↑ 4030 m<sup>3</sup>/h  
(2371.97 cfm)

with a given airflow  
velocity of 0.24 m/s  
(47.25 ft/min)

↑ 4320 m<sup>3</sup>  
(2542.66 cfm)

with a given airflow  
velocity of 0.26 m/s  
(51.18 ft/min)

Dimensions	2600 x 1900 x 320 mm (102.36" x 74.80" x 12.60")
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Weight	440 kg (970.03 lb)
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Electric power requirement	60 W
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### POTOK LAD1800

unit in a one-piece outer enclosure with an air distribution device



↑ 1730 m<sup>3</sup>/h  
(1018.24 cfm)

with a given airflow  
velocity of 0.24 m/s  
(47.25 ft/min)

↑ 1800 m<sup>3</sup>  
(1059.44 cfm)

with a given airflow  
velocity of 0.25 m/s  
(49.21 ft/min)

Dimensions	2495 x 1265 x 320 mm (98.23" x 49.80" x 12.60")
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Weight	210 kg (469.97 lb)
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Electric power requirement	20 W
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## For recovery rooms, emergency treatment rooms, intensive care rooms, and other rooms for immunocompromised patients

### POTOK LAD2160

unit in a one-piece outer enclosure with an air distribution device



↑ 2020 m<sup>3</sup>/h  
(1188.93 cfm)

with a given airflow  
velocity of 0.24 m/s  
(47.25 ft/min)

↑ 2160 m<sup>3</sup>  
(1271.33 cfm)

with a given airflow  
velocity of 0.26 m/s  
(51.18 ft/min)

Dimensions	1900 x 1300 x 320 mm (74.80" x 51.18" x 12.60")
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Weight	220 kg (485.02 lb)
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Electric power requirement	30 W
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## POTOK laminar air flow units

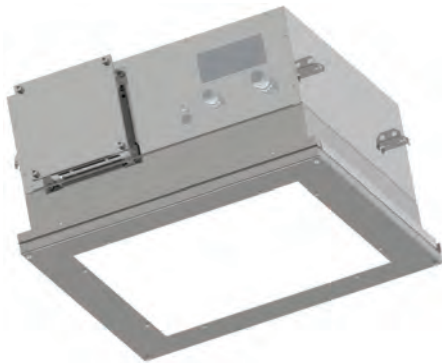
For any rooms requiring the greatest possible cross-sectional area of unidirectional decontaminated airflow.

Designed to supply controlled airflow through the entire cross-section of a clean zone with a steady velocity and approximately parallel streamlines.

- ▶ Filtering efficiency: H14
- ▶ Bioinactivation efficiency: minimum 99%
- ▶ The velocity of unidirectional airflow at the specified airflow rate: 0.24 to 0.3 m/s (47.25 to 59.06 ft/min)

### POTOK LAD180

unit in a one-piece outer enclosure with an air distribution device



→ 180 m<sup>3</sup>/h  
(150.94 cfm)

with a given airflow velocity of  
0.25 m/s (49.21 ft/min)

Dimensions	615 x 602 x 320 mm (24.21" x 23.70" x 12.60")
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Weight	31 kg (68.34 lb)
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Electric power requirement	10 W
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### POTOK LAD360

unit in a one-piece outer enclosure with an air distribution device



→ 360 m<sup>3</sup>/h  
(211.89 cfm)

with a given airflow velocity of  
0.25 m/s (49.21 ft/min)

Dimensions	909 x 660 x 320 mm (35.79" x 25.98" x 12.60")
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Weight	40 kg (88.2 lb)
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Electric power requirement	10 W
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### POTOK LAD540

unit in a one-piece outer enclosure with an air distribution device



→ 540 m<sup>3</sup>/h  
(317.83 cfm)

with a given airflow velocity of  
0.25 m/s (49.21 ft/min)

Dimensions	1245 x 660 x 320 mm (49.02" x 25.98" x 12.60")
Weight	50 kg (110.23 lb)
Electric power requirement	10 W

### POTOK LAD720

unit in a one-piece outer enclosure with an air distribution device



↑ 650 m<sup>3</sup>/h  
(382.58 cfm)

with a given airflow velocity of 0.3 m/s  
(59.06 ft/min)

↑ 720 m<sup>3</sup>/h  
(423.78 cfm)

at maximum airflow rate

Dimensions	1245 x 660 x 320 mm (49.02" x 25.98" x 12.60")
Weight	54 kg (119.05 lb)
Electric power requirement	10 W

## POTOK air distribution units

For any rooms where microbial purity of inlet air is required.

Designed to supply air

- ▶ Filtering efficiency: H14
- ▶ Bioinactivation efficiency: minimum 99%

### POTOK LAD180L

unit in a one-piece outer enclosure with an air distribution device



↓ 90 m<sup>3</sup>/h  
(52.97 cfm)  
min

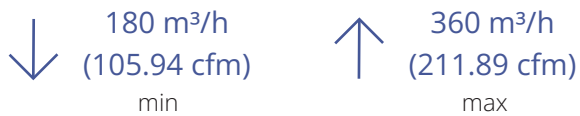
↑ 180 m<sup>3</sup>/h  
(105.94 cfm)  
max

Dimensions	615 x 602 x 320 mm (24.21" x 23.70" x 12.60")
Weight	41 kg (90.39 lb)
Electric power requirement	10 W

## POTOK LAD360L

unit in a one-piece outer enclosure with an air distribution device

Airflow rate

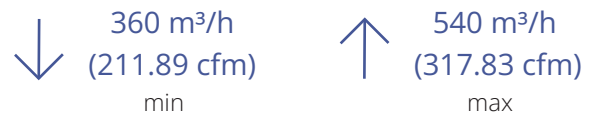


Dimensions	909 x 660 x 320 mm (35.79" x 25.98" x 12.60")
Weight	50 kg (110.23 lb)
Electric power requirement	10 W

## POTOK LAD540L

unit in a one-piece outer enclosure with an air distribution device

Airflow rate

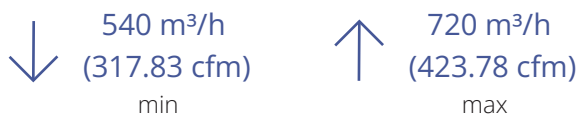


Dimensions	1245 x 660 x 320 mm (49.02" x 25.98" x 12.60")
Weight	60 kg (132.28 lb)
Electric power requirement	10 W

## POTOK LAD720L

unit in a one-piece outer enclosure with an air distribution device

Airflow rate



Dimenzije	1245 x 660 x 320 mm (49,02" x 25,98" x 12,60")
Težina	65 kg (143.3 lb)
Electric power requirement	10 W

## POTOK Induct mount units

Induct mount units are integrated into the ventilation system for decontamination and High Efficiency filtration of air.

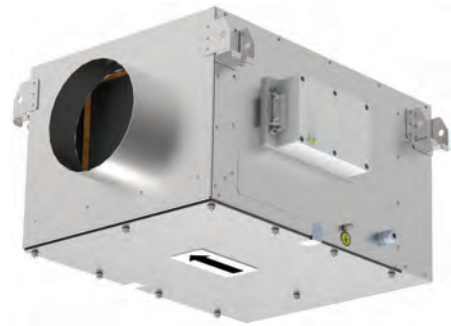
Designed for decontamination and filtration of inlet air in rooms of class I and II; Used for decontamination and filtration of air extracted from the rooms of infectious diseases wards and TB wards

Induct mount units are built into the cut made in the air induct as close as practicable to the classified room (above the dropped ceiling, in utility rooms, etc.), and share the following common features:

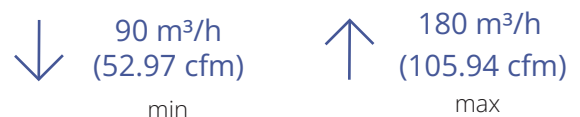
- ▶ Filtering efficiency: E11-H14
- ▶ Bioinactivation efficiency: minimum 99%

## POTOK FED180

jedinica u jednodelnom spoljašnjem kućištu ili u kućištu od nerđajućeg čelika



Airflow rate



Dimensions	570 x 429 x 279 mm (22.44" x 16.89" x 10.98")
Weight	15 kg (33.07 lb)
Electric power requirement	10 W

## POTOK FED360

unit in a one-piece outer enclosure



Airflow rate



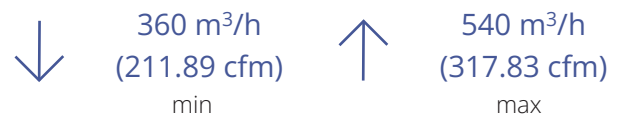
Dimensions	724 x 574 x 278 mm (28.50" x 22.60" x 10.95")
Weight	23 kg (50.71 lb)
Electric power requirement	10 W

## POTOK FED540

unit in a one-piece outer enclosure



Airflow rate



Dimensions	FED540: 1044 x 750 x 280 mm (41.10" x 29.53" x 11.02") FED540S: 1065 x 750 x 285 mm (41.93" x 29.53" x 11.22")
Weight	41 kg (90.39 lb)
Electric power requirement	10 W

## POTOK FED720

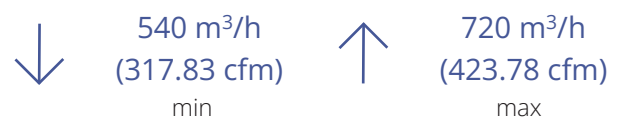
unit in a one-piece outer enclosure

## POTOK FED720S

unit in a one-piece stainless steel outer enclosure



Airflow rate



Dimensions	FED720: 1347 x 798 x 280 mm (53.03" x 31.42" x 11.02") FED720S: 1370 x 798 x 285 mm (53.94" x 31.42" x 11.22")
Weight	53 kg (116.85 lb)
Electric power requirement	10 W

## POTOK FED900

unit in a one-piece outer enclosure



Airflow rate

720 m<sup>3</sup>/h  
(423.78 cfm)  
min

↑

900 m<sup>3</sup>/h  
(529.72 cfm)  
max

Dimensions	1636 x 810 x 280 mm (64,41" x 31,89" x 11,02")
Weight	65 kg (143,3 lb)
Electric power requirement	10 W

## POTOK FED1000

unit in a one-piece outer enclosure

## POTOK FED1000S

unit in a one-piece stainless steel outer enclosure



Airflow rate

↓ 720 m<sup>3</sup>/h  
(423.78 cfm)  
min

↑ 1000 m<sup>3</sup>/h  
(588.58 cfm)  
max

Dimensions	FED1000: 1636 x 810 x 280 mm (64.41" x 31.89" x 11.02") FED1000S: 1665 x 810 x 285 mm (65.55" x 31.89" x 11.22")
Weight	65 kg (143.3 lb)
Electric power requirement	10 W

## POTOK FED1800

unit in a one-piece outer enclosure



Airflow rate

↓ 900 m<sup>3</sup>/h  
(529.72 cfm)  
min

↑ 1800 m<sup>3</sup>/h  
(1059.44 cfm)  
max

Dimensions	1830 x 1400 x 320 mm (72.05" x 55.12" x 12.60")
Weight	140 kg (308.65 lb)
Electric power requirement	20 W

## POTOK FED2000S

unit in a one-piece stainless steel outer enclosure



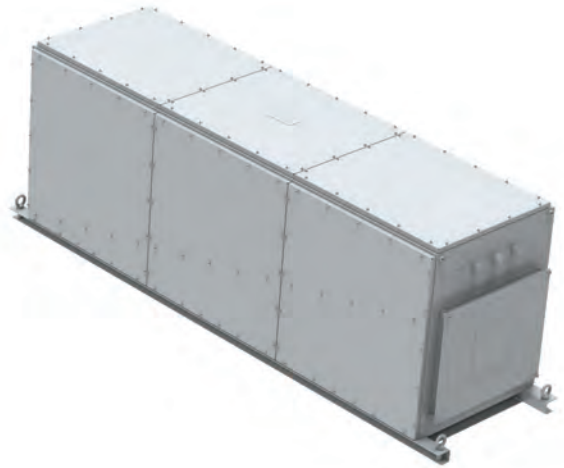
Airflow rate

↓ 1000 m<sup>3</sup>/h (588.58 cfm) min      ↑ 2000 m<sup>3</sup>/h (1177.16 cfm) max

Dimensions	1220 x 650 x 600 mm (48.03" x 25.59" x 23.62")
Weight	100 kg (220.46 lb)
Electric power requirement	20 W

## POTOK FED2800S

unit in a one-piece stainless steel outer enclosure



Airflow rate

↓ 2000 m<sup>3</sup>/h (1177.16 cfm) min      ↑ 2800 m<sup>3</sup>/h (1648.02 cfm) max

Dimensions	1700 x 650 x 800 mm (66.93" x 25.59" x 31.50")
Weight	168 kg (220.46 lb)
Electric power requirement	30 W

## POTOK FED3600

unit in a one-piece outer enclosure



Airflow rate

1800 m<sup>3</sup>/h (1059.44 cfm) min      ↑ 3600 m<sup>3</sup>/h (2118.88 cfm) max

Dimensions	1830 x 1400 x 610 mm (72.05" x 55.12" x 24.02")
Weight	280 kg (618.30 lb)
Electric power requirement	40 W

## POTOK FED4000S

unit in a one-piece stainless steel outer enclosure



Airflow rate

↓ 2800 m<sup>3</sup>/h (1648.02 cfm) min      ↑ 4000 m<sup>3</sup>/h (2354.31 cfm) max

Dimensions	2350 x 650 x 820 mm (92.52" x 25.59" x 32.28")
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Weight	200 kg (220.46 lb)
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Electric power requirement	40 W
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## POTOK FED6000S

unit in a one-piece stainless steel outer enclosure



Airflow rate

↓ 4000 m<sup>3</sup>/h (2354.31 cfm) min      ↑ 6000 m<sup>3</sup>/h (3531.47 cfm) max

Dimensions	2350 x 965 x 820 mm (92.52" x 37.99" x 32.28")
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Weight	250 kg (220.46 lb)
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Electric power requirement	60 W
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potok®

## POTOK standalone units

The units are designed for decontamination and fine filtration of air in rooms of all cleanroom classes including especially clean rooms and infectious environments.

A standalone units does not need a connection to the existing ventilation and air conditioning systems and allows a local "clean" zone to be created in any room. The appliance can be used either as a standalone unit to create local sterile zones or in conjunction with other sanitary and hygienic measures taken when preparing the room for use.

- ▶ Bioinactivation efficiency: minimum 99%
- ▶ No accumulation of live microorganisms inside the unit
- ▶ Continuous safe operation in presence of personnel
- ▶ No consumables are required
- ▶ Low power requirement

### POTOK SAP900

standalone unit



Airflow rate

↑ do 900 m<sup>3</sup>/h  
(529.72 cfm)

Noise level

max  
50 dBA

Dimensions	715 x 525 x 1715 mm (28.15" x 20.67" x 67.52")
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Weight	107 kg (235.90 lb)
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Electric power requirement	250 W
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### POTOK SAP1000S

standalone unit



Airflow rate

↑ do 1000 m<sup>3</sup>/h  
(588.58 cfm)

Noise level

max  
50 dBA

Dimensions	860 x 630 x 1715 mm (33.86" x 24.80" x 67.52")
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Weight	107 kg (235.90 lb)
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Electric power requirement	250 W
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## POTOK SAP120

standalone unit



Airflow rate

↑ do 120 m<sup>3</sup>/h  
(70.63 cfm)

Noise level

max  
50 dBa

Dimensions	250 x 250 x 400 mm (9.84" x 9.84" x 15.75")
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Weight	10 kg (22.05 lb)
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Electric power requirement	10 W
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## POTOK SAP130

standalone unit



Airflow rate

↑ do 130 m<sup>3</sup>/h  
(76.52 cfm)

Noise level

max  
50 dBa

Dimensions	590 x 424 x 392 mm (23.23" x 16.69" x 15.43")
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Weight	14 kg (30.87 lb)
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Electric power requirement	10 W
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## POTOK SAP150

standalone unit



Airflow rate

↑ do 150 m<sup>3</sup>/h  
(88.29 cfm)

Noise level

max  
50 dBa

Dimensions	608 x 350 x 366 mm (23.94" x 13.78" x 14.41")
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Weight	17 kg (37.48 lb)
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Electric power requirement	10 W
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## POTOK SAP600

standalone unit



Airflow rate

↑ do 600 m<sup>3</sup>/h  
(353.15 cfm)

Noise level

max  
50 dBa

Dimensions	700 x 700 x 350 mm (27.56" x 27.56" x 13.78")
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Weight	45 kg (99.21 lb)
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Electric power requirement	100 W
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# APPLICATION IN FOOD INDUSTRY, PUBLIC FACILITIES, AND OFFICES

The use of POTOK air decontamination units allows the concentration of microorganisms, including mold fungi, and viruses in the air of workshops, offices, classrooms, and other nonresidential buildings to be reduced to the minimum (background) level and maintained at this (background) level.

That is why POTOK units can be used equally well for protection against mold, yeast, food bacteria in food production processes, and for the prevention of the spread of infectious agents (including seasonal diseases) in crowded public areas, and for reduction of the incidence and severity of infection outbreaks.

POTOK technology in food industry increases the shelf life and quality of products and decreases product losses.

Any POTOK equipment described in "Healthcare Applications" can be used in non-medical rooms, if necessary.



# CUSTOM DESIGN

The company's equipment described in the catalog is available in standard design version and intended for use in rooms that conform to all requirements and instructions given in statutory and regulating documents.

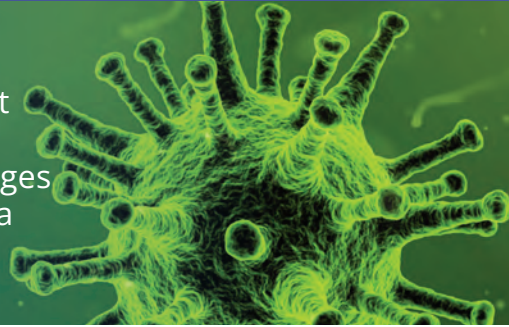
## Depending on the requirements and service environment we can offer:

- different warranty and post-warranty i spare parts support;
- flexible maintenance plans with reimbursement of all or part of the costs;
- special terms of supply of repair kits not only for remedial repairs of parts and assemblies but also for full system upgrades

## Standard design version

- Equipment is manufactured of high-quality low-carbon steel.
- Powdered polyester enamel, mat RAL9002 color, coat thickness: 120–150 µm
- Electric components provide the complete required functionality of equipment (neither expandability with additional sensors, nor connection to control panels with advanced control and monitoring functions, centralized control systems, and building supervisory control systems is possible).
- The design without specific requirements for corrosion resistance, fireproofing, and immunity to interference

For severe service conditions, and where additional requirements exist, the equipment can be built in different design versions and configurations, either to fit the operating ranges and characteristics listed below or based on a completely tailored solution.



## ► Enclosure material:

- high-quality low-carbon steel;
- high-alloy steel 08X18H10T, and other corrosion-resistant heat-resistant and heat-treated alloys, 1.0–2.0 mm thick.
- Powdered polyester enamel, of any RAL color, coat thickness: 300–400 µm.
- High requirements for corrosion resistance, UL94 V0/V1 class fireproofing, and high resistance to other external effects.
- In ventilation inducts supplying air to equipment, additional coarse and fine filtering elements can be installed.
- The capacity of water supply systems can be increased by introducing additional air recirculation devices, including such with preliminary decontamination and coarse filtering.

- Equipment can be supplied complete with a customized or special package.

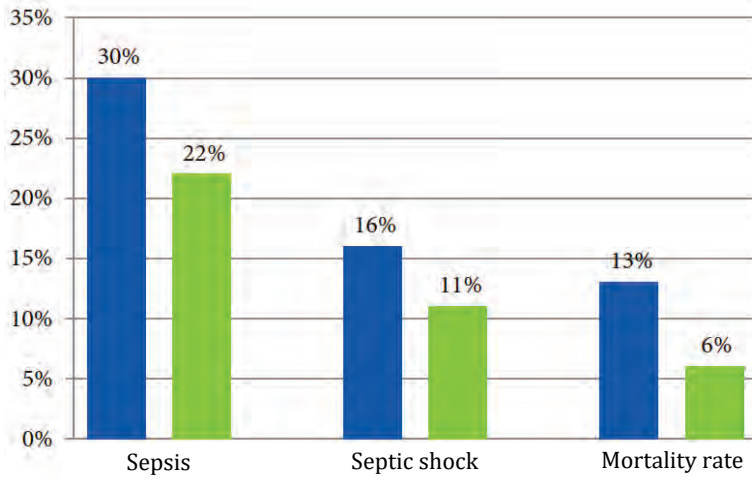
## ► Electronic components that can interface with:

- control and monitoring sensors (pressure, temperature, humidity, and dust level);
- external control and monitoring devices (including devices of other manufacturers);
- smart building control systems;
- smart remote facility monitoring and control systems.
- Electronic components in interference-resistant and lowenergy design versions, and in design versions conforming to application-specific requirements (including the systems onboard spacecraft, and life support systems of high-security facilities).

# Selected results

## Burdenko Main Military Clinical Hospital

200 patients in intensive care units



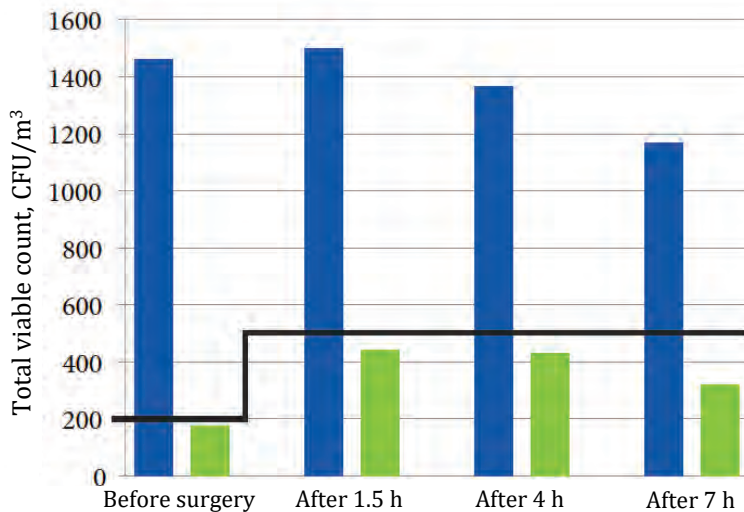
POTOK TECHNOLOGY:

- decreased the risk of sepsis development **x1.4 times**
- decreased the risk of septic shock development due to infectious complications and multiorgan failure **x1,5 times**
- decreased mortality rate **x2,2 times**

■ Without POTOK equipment  
■ With POTOK equipment

## Botkin Hospital i City Clinical Hospital No.1

1300 surgeries (implantation of large joints endoprosthesis)

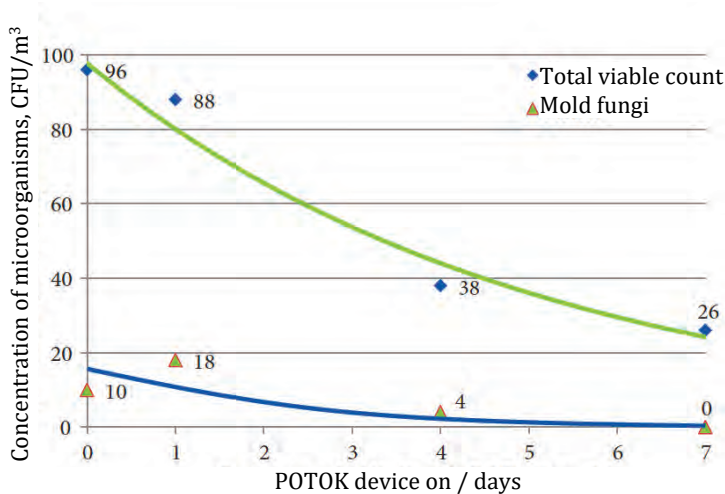


LEVEL OF POSTOPERATIVE SEPTIC COMPLICATIONS (WOUND INFECTION):

- before installing POTOK devices **3.5 - 4%**
- using POTOK devices **0.15%**
- world average **1%**

■ Without POTOK equipment  
■ With POTOK equipment  
— critical rate of air contamination

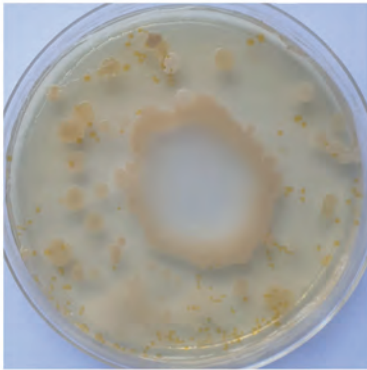
## Children's Cancer and Hematology Hospital Named After N.N.Blokhin



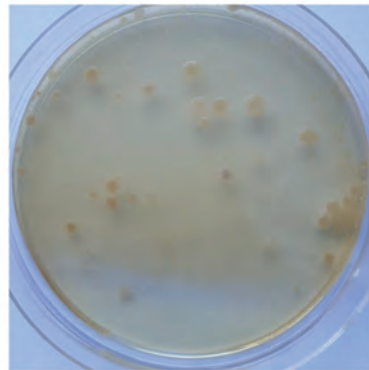
POTOK technology

- decreased total viable count (from 96 to 26 CFU/m<sup>3</sup>) **x3,7 times**
- decreased concentration of mold fungi (from 10 to 0 CFU/m<sup>3</sup>) **up to 0**

Vegetables without POTOK



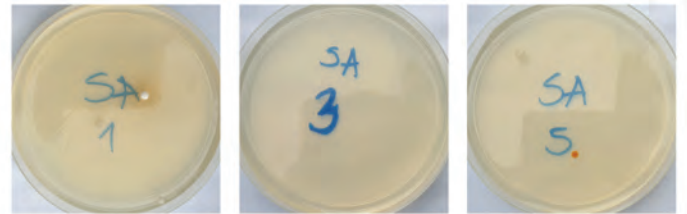
Vegetables with POTOK



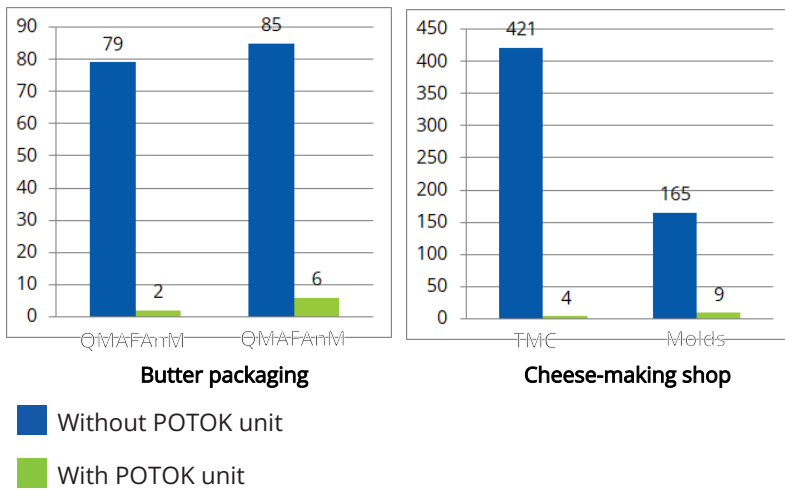
Opened Petri dishes without POTOK



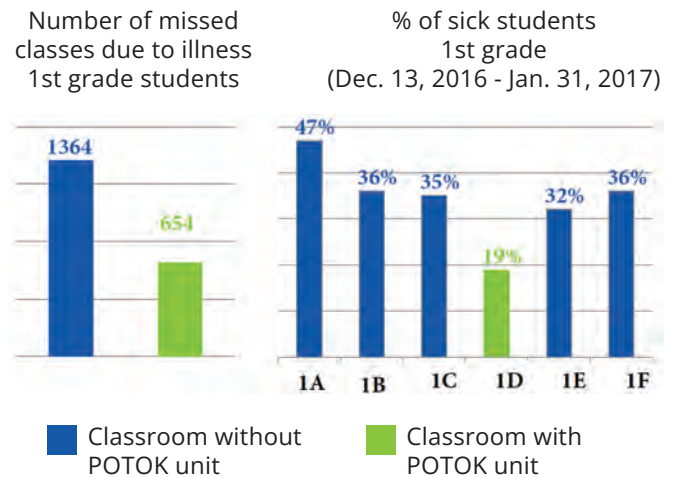
Opened Petri dishes with POTOK



Effect of POTOK in dairy industry



Case study – elementary school in Russia



### All-Russian Scientific Research Institute of Poultry Processing Industry

Air sampling site	Microbiological data			
	QMAFAnM, CFU/m <sup>3</sup>		Mold, CFU/m <sup>3</sup>	
	Background	After one hour of unit operation	Background	After one hour of unit operation
Smoked chicken packing table	120	60	3400	1300
Sausage packing line	180	<10	1200	820
Smoked chicken labeling	140	80	1800	420
Sausage labeling	40	20	1400	240
Finished products	120	60	900	360

Microbiological air parameters at the vacuum packing line before processing (background) and after one hour of operation of POTOK unit. The volume of packing room - 356 m<sup>3</sup>

POTOK technology cure  
air all over the world

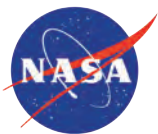


**SBERBANK**



**ПРОДО**

POTOK is the only technology  
used for air decontamination in  
International Space Station



**ROSCOSMOS**

The equipment manufactured by Potok Inter is installed in more than 3,500 healthcare facilities, including surgery centers, perinatal clinics, infectious diseases wards, cancer centers, medical laboratories, etc.



East Balt Bakeries™



**PEPSICO**



Breathe healthy air with  
POTOK technology

General representative for Serbia,  
Bosnia and Herzegovina,  
Montenegro, North Macedonia

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