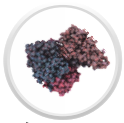
ActivTek™

POLAND

PROFESSIONAL AIR PURIFICATION SYSTEM

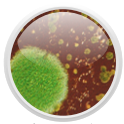
THE ONLY TECHNOLOGY THAT ALLOWS THE PRESENCE
OF PEOPLE INDOORS DURING THE AIR CLEARING PROCESS

SMOKE


TOXINS

BACTERIA

MOLD


FUNGI

MITES

SMELLS

VIRUSES

ALLERGENS

NEW AIR QUALITY

www.activtek.pl

INNOVATIVE TECHNOLOGY

ActivTek is a company dealing with the production and distribution of innovative devices for treating air, based on the world's unique Active **RCI Technology - Radial Catalytic Ionization**. Our products are very popular around the world, everywhere, where care for the best air quality is the priority issue and where getting this quality constitutes the problem.

THE RCI TECHNOLOGY PROPERTIES

- ✓ Constantly keeps the microbiological purity of air
- ✓ Keeps the microbiological cleanness of the air ducts
- ✓ Effectively removes: bacteria, viruses, mold spores, fungi, allergens and the range of other pollutants harmful to health
- ✓ Eliminates odors, dust precipitation, and other pollen from the air
- ✓ Slows down the emergence of mechanical pollution of air ducts and air-conditioning considerably reducing the operating costs of the installation
- ✓ Improves the indoor air quality parameters
- ✓ Active air contributes to reduce the number of sick leaves
- ✓ Raises service quality and comfort of the work
- ✓ Contributes to efficiency of work
- ✓ Effectively eliminates "The Sick Building Syndrome"

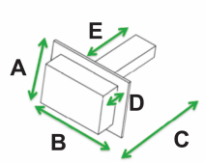
AREA OF THE APPLICATION

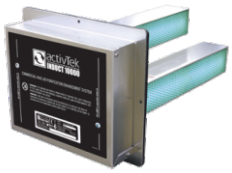
- ✓ Public buildings: nursery schools, crèches, screening rooms, museums, swimming pools, sports halls, hotels, restaurants.
- ✓ Office buildings
- ✓ Private Places: apartments, cottages.
- ✓ Medicine: hospitals, clinics, doctor's surgeries
- ✓ Industry: food, pharmaceutical, cosmetic.

INDUCT STANDARD DEVICES

Devices:

1. Eliminate microbiological hazards and eliminate odors.
2. Can be connected to a monitoring system.
3. They are installed in ventilation ducts in minimally invasive manner.





TYPE	Induct 500	Induct 750	Induct 2000	Induct 5000	Induct 10000
weight	0,5 kg	1,4 kg	1,4 kg	1,8 kg	3,6 kg
size ABCDE [cm]	26 x 6 x 3	24,5 x 24,5 x 20,5 x 6 x 14,5	24,5 x 24,5 x 28,5 x 6 x 22,5	24,5 x 24,5 x 43 x 6 x 37	24,5 x 28,5 x 43 x 6 x 37
electrical	100-240V, 50/60Hz/5 Watt	230V, 50/60Hz/10 Watt	230V, 50/60Hz/15 Watt	230V, 50/60Hz/20 Watt	230V, 50/60Hz/40 Watt
speed of air flow	0-6 m/s	0-6 m/s	0-6 m/s	0-6 m/s	0-6 m/s
air temperature	3-93,3 °C	3-93,3 °C	3-93,3 °C	3-93,3 °C	3-93,3 °C
average resistance	4-6 [Pa]	3-5 [Pa]	3-5 [Pa]	3-5 [Pa]	3-5 [Pa]
assembly opening in the channel	-	9,5 [cm]	9,5 [cm]	9,5 [cm]	9,5 [cm]

Note: Based on a detailed query we will select the optimal variant and take into account the application and design intent.

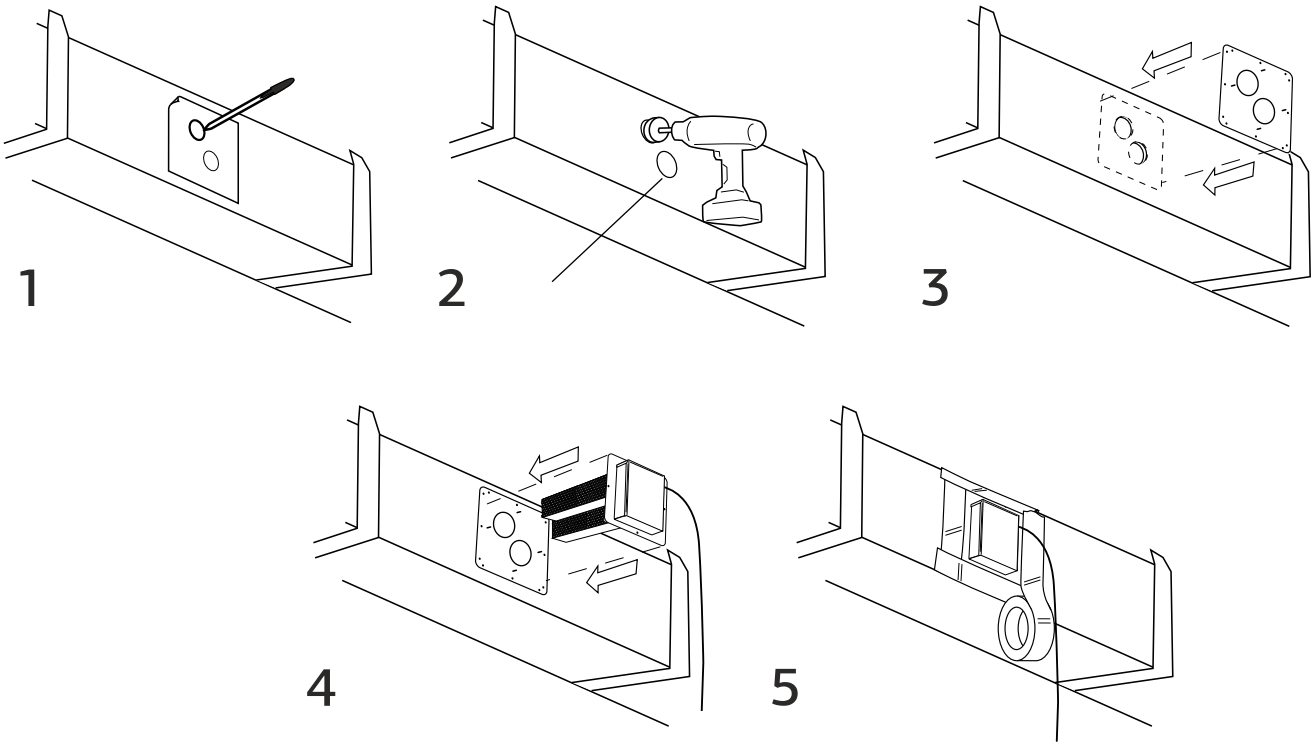
THE ASSORTMENT METHOD OF INDUCT STANDARD DEVICES*

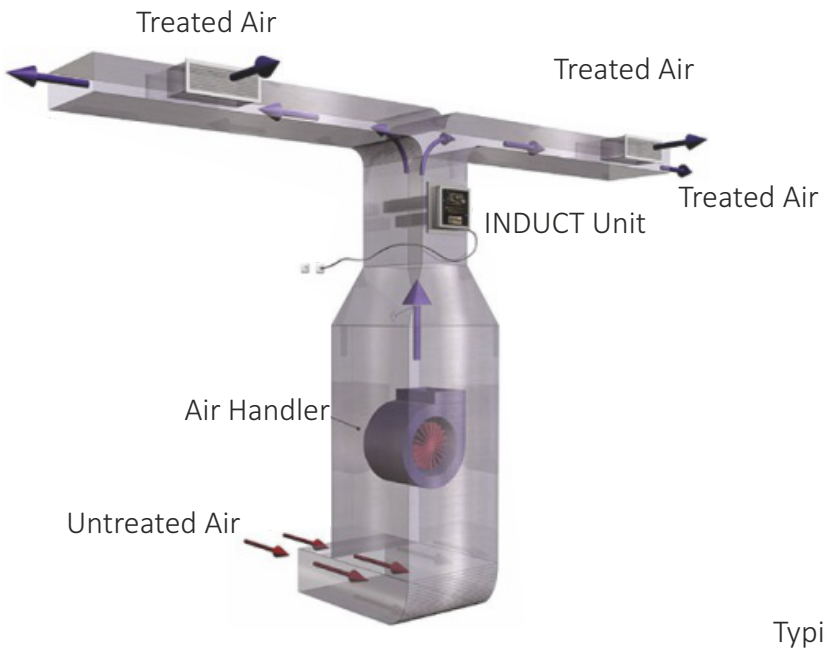
Apprpriate selection of devices ensures cleanliness in a ventilation ducts as well ass improvement of indoor air quality

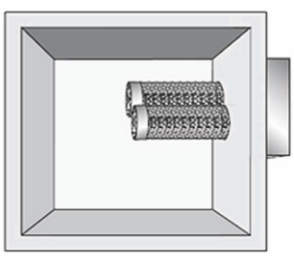
TYPE	Induct 500	Induct 750	Induct 2000	Induct 5000	Induct 10000
bandwidth	to 123,3 m^3/h	to 233 m^3/h	to 635 m^3/h	to 1550 m^3/h	to 3066 m^3/h

*Look out: The above selection method does not apply to medical and food facilities. The final selection of devices despends on the type and degree of pollutions. On the basis of the submitted questions, we will select the optimal option for you, taking into considerations the specificity of the application and design assumptions.

INSTALLING INDUCT STANDARD DEVICES





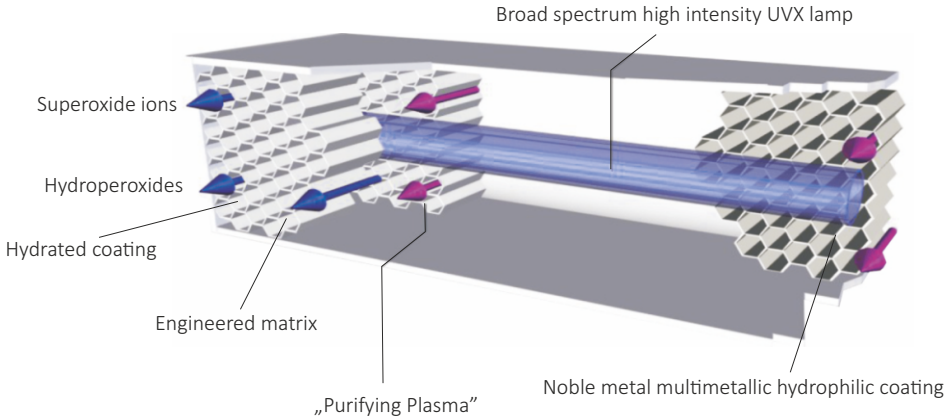


Typical view of an installation within the duck.

TECHNOLOGY

RCI TECHNOLOGY - RADIAL IONIZATION CATALYTIC

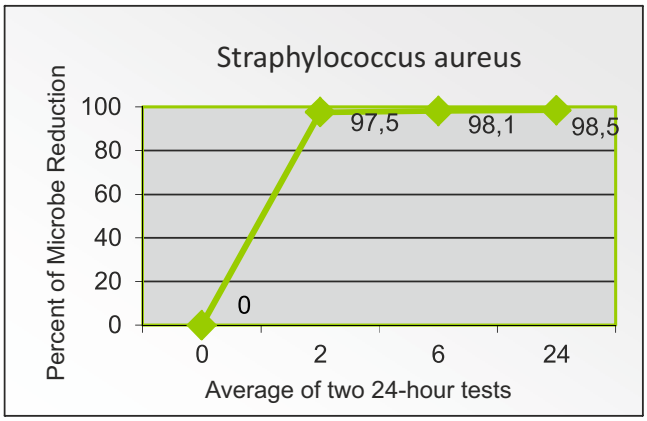
Radial Catalytic Ionization - produces superoxide and hydroxide ions by the use of catalytic process of ultraviolet light influence on the photo ionization processes of rare and precious metals contained in the matrix supported by the hydrophilic coatingchamber RCI.

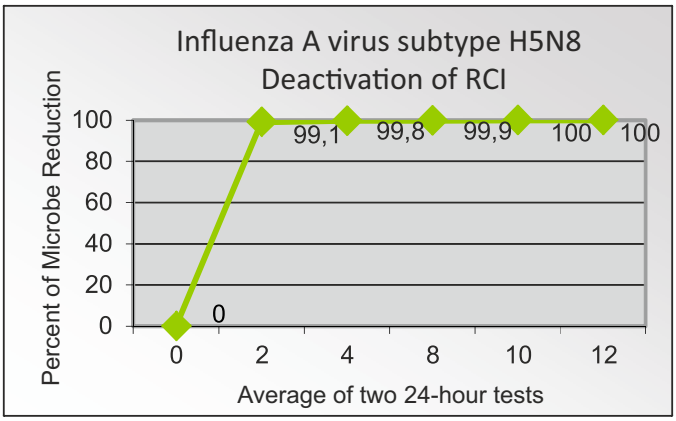


INDEPENDENT RESEARCH

Below we find information concerning results of removing universal bacteria, avian influenza virus (H5N8) with the use of products using the RCI technology.

SUMMARY OF TEST RESULTS	
NAME OF BACTERIA	BIOLOGICAL REDUCTION WITH RCI
Staphylococcus aureus	98,5 %
MRSA-Staphylococcus aureus	99,8 %
Escherichia coli	98,1 %
Bacillus SPP	99,38 %
Streptococcus SPP	96,4 %
Pseudomonas aeruginosa	99,0 %
Listeria monocytogenes	99,75 %
Candida albicans	99,92 %
Stachybotrys chartarum	99,93 %





SGS the world's largest company specializing in inspection, verification, testing and certification, conducted the extensive research on effects of the ActivTek technology on cigarette smoke Findings indicated reductions in nicotine by 99%. Below, we can find information concerning bacteria, of avian influenza virus (H5N8) using the RCI technology.

REFERENCES

- ✓ University of Technology in Kielce- Passive Teaching- laboratory Centre Engineering – Energis
- ✓ PGE Mining and Conventional Power Generation Headquarters in Bełchatów- the largest combine providing energy
- ✓ Office Building- Pulawska Financial Centre in Warsaw- seat of the largest banks in Poland
- ✓ M.Nencki Experimental Biology Institute PAN in Warsaw
- ✓ Kielce City Hall building
- ✓ Department of Biotechnology- University of Gdańsk
- ✓ Gdańsk Shipyard Museum NSZZ „Solidarność”- BHP historic hall- Convention and Exhibition Center
- ✓ SOKOŁÓW S.A.- one of the largest meat processing plants in Poland
- ✓ Polkomtel S.A. in Warsaw- registered office of the Polish network operator for Plus mobile communications
- ✓ Swimming pool „Foka” MOSiR - Kielce
- ✓ AEBI Schmidt Poland Ltd. Office building
- ✓ Sun Energy Ltd. Office building in Gdańsk
- ✓ Meat establishments Werbliński
- ✓ Sapro Engineering Sp. J.
- ✓ Sanctuary in Kalwaria Zebrzydowska- historic, architectural and landscape complex entered to the prestigious UNESCO list
- ✓ Regional Inspectorate for Plant Protection and Seed Production in Katowice
- ✓ Public and private kindergartens throughout Poland
- ✓ Santander Bankin Brazil
- ✓ Restaurants: Mc Donalds in Brazil and Norway, Burger King and Pizza Hut in Spain
- ✓ Call Center office building in Turkey.

CERTIFICATES

ActivTek was rewarded with many certificates and was acknowledged by many agencies of the environmental protection and international organizations.

All our products, systems and components hold the National Institute of the PZH public health certificate.

Our products and components hold certificates of the EU and are made in accordance with RoHS directives.

EPA, the Environmental Protection Agency in the USA, gives certificates to ActivTek products and technologies.

ActivTek Lberia (Spain) is an ATECYR partner (the Refrigeration Industry and the Control over the Climate Spanish Association). ActivTek is a FEDECAL member (Spanish Federation of Companies improving the Quality of the Indoor Air).

ActivTek holds Building Council Green certificates – Association of the Ecological Construction in Poland, the USA, Spain and Brazil.

We are an ASHRAE member- American Association of Heating, Refrigeration, and Air-conditioning Industries Engineers.

ActivTek Sp. z o.o.
25-663 Kielce, Olszewskiego 6 Phone: 661-301-600 e-mail: biuro@activtek.pl
www.activtek.pl

ActivTek Sp. z o.o. based in Kielce, Olszewskiego 6, 25-663 Kielce.
National Court Register: 0000370488 Share capital: 100,000,00 PLN. Vat: 657-285-80-98