

COLLOID^{Ag+}
PROTECTION



NEW INTELLIGENT TECHNOLOGY



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SMART VEHICLE TECHNOLOGY



O KOMPANIJI

Koloid, visokotehnološka domaća kompanija sertifikovana za inovacionu delatnost od strane Ministarstva nauke, tehnološkog razvoja i inovacija Republike Srbije, sa centralom u Beogradu i poslovanjem u regionu, počev od 2009. godine predvodi tehnološki napredak u integraciji koloidnog srebra u zaštitne, kao i preparate za očuvanje zdravlja i lepote.

Pored implementacije veštačke inteligencije u mobilne robote za aerosolnu dezinfekciju prostora, ekspertske tim Koloida je generaciju pametnih proizvoda pojačao još jednom inovacijom u svom tehnološkom razvoju. U pitanju je uređaj za ultrasoničnu dezinfekciju kabinskog prostora, sistema ventilacije i klima uređaja u prevoznim sredstvima.

Reč je o tehnološkom dostignuću koje koristi patentiranu COLLOID® tehnologiju, koja u kabinskom prostoru, sistemu ventilacije i klima uređajima prevoznih sredstava vrši neutralizaciju bakterija i ostalih patogena i prečišćava vazduh. Svoju široku primenu uređaj nalazi u automobilima, autobusima, kombi vozilima, kamionima i ostalim prevoznim sredstvima drumskog saobraćaja.

Konceptom „Generacija inteligentnih proizvoda”, Koloid ide korak dalje u poslovnoj efikasnosti i stvaranju dodatne vrednosti za korisnike.

Naš tim eksperata iz oblasti farmacije, hemije i tehnologije, podržani timom za istraživanje i razvoj, i u budućnosti će raditi na lansiranju inteligentnih uređaja i proizvoda nove generacije, kako u Srbiji, tako i u svetu.

Efikasnost COLLOID® tehnologije u odnosu na ostale proizvode za dezinfekciju i prečišćavanje vazduha u prevoznim sredstvima, u svojim istraživanjima potvrdili su i stručnjaci sa Instituta za nuklearna istraživanja Vinča, Instituta za javno zdravlje Kragujevac, Tehnološko-metalurškog fakulteta u Beogradu, kao i akreditovane laboratorije.

Tečnost je kao biocid registrovana u Ministarstvu zaštite životne sredine Republike Srbije.

Koloid posebnu pažnju poklanja kvalitetu svake serije proizvoda, dok se naš rad odvija striktnom primenom ISO 9001, ISO 13485, ISO 14001, GMP cosmetics (ISO 22716) i HACCP standarda, za koje posedujemo i međunarodno priznate sertifikate. Korisnici Evropske Unije, Rusije i Kanade uveliko su prepoznali naš kvalitet, zbog čega brend Colloid stiže renome i na svetskom tržištu.

ABOUT THE COMPANY

Koloid, a high-tech domestic company certified for innovation activities by the Ministry of Science, Technological Development, and Innovation of the Republic of Serbia, headquartered in Belgrade and operating in the region, has been leading technological advancements in the integration of colloidal silver into protective, health, and beauty preservation products since 2009.

Our commitment to technological advancement is exemplified by our integration of artificial intelligence into mobile robots designed for aerosol disinfection. Further enhancing our smart product line, we proudly introduce an ultrasonic disinfection device for the interiors of vehicles, including ventilation and air conditioning systems. This state-of-the-art device employs our proprietary COLLOID® technology to effectively neutralize harmful bacteria and pathogens, ensuring purified air within various modes of transportation such as cars, buses, vans, and trucks.

Embracing the "Intelligent Product Generation" ethos, Koloid is dedicated to revolutionizing operational efficiency and delivering unparalleled value to our customers.

Our esteemed team, boasting expertise in pharmacy, chemistry, and technology and backed by a dedicated research and development unit, is relentless in their pursuit of launching the next wave of intelligent, high-tech products.

Our efforts extend both domestically and internationally, solidifying our position as industry leaders.

The superior performance of COLLOID® technology, in comparison to other air disinfection and purification solutions for transportation, has been validated by leading researchers from the Vinča Institute of Nuclear Sciences, the Public Health Institute of Kragujevac, and the Faculty of Technology and Metallurgy in Belgrade, as well as by accredited laboratories. Additionally, our liquid formulation is officially registered as a biocide with the Ministry of Environmental Protection of the Republic of Serbia.

Quality is the cornerstone of our operations. Koloid meticulously ensures that each product batch meets the highest standards, adhering to stringent international certifications such as ISO 9001, ISO 13485, ISO 14001, GMP cosmetics (ISO 22716), and HACCP. Our unwavering commitment to excellence has garnered recognition and trust from users across the European Union, Russia, and Canada, propelling the Colloid brand to global acclaim.





ULTRASONIČNA DEZINFEKCIJA KABINSKOG PROSTORA, SISTEMA ZA VENTILACIJU I KLIMA UREĐAJA U VOZILIMA

*Svaki klima uređaj poseduje isparivač, koji vazduh hladi i iz njega istovremeno izdva-
ja vlagu. Ovu vlagu, isparivač konvertuje u tečno stanje, da bi je odvodom za kondenzaciju
(nastalu prilikom mešanja toplog i hladnog vazduha) izbacio putem posebnog creva. Ipak,
opšti problem sa isparivačima je što se nalaze na teško dostupnom, izolovanom, mračnom i
vlažnom mestu bez protoka vazduha, često na najnižoj tački automobila, ispod instrument
table.*

*Takvi uslovi pogoduju razvoju gljivica, bakterija, plesni i ostalih mikroorganizama,
koji mogu narušiti naše zdravlje.*

Kako sprečiti ulazak virusa i mikroba u vozilo?

Uključivanjem klime u vozilu, štetni mikroorganizmi se pu-
tem vazduha ubacuju u kabinski prostor. Njihovo prisustvo se lako
konstatuje, jer se neprijatni mirisi mogu osetiti prilikom prvog akti-
viranja klima uređaja. Ovakav miris nipošto ne treba ignorisati, jer
je više nego jasan pokazatelj da u radu klima uređaja postoji
problem. Osim što može izazvati iritaciju očiju i sluzokože grla, kija-
nje i alergijske reakcije, kontaminiran vazduh u vozilu može uzro-
kovati i mnogo teže bolesti.

Čišćenjem i dezinfekcijom sistema klime i ventilacije ultraso-
ničnim uređajem na bazi COLLOID® tehnologije, klima uređaj u vo-
zilima (automobili, autobusi, kamioni, kombi vozila) oslobađa se
patogena i alergena.

Tečnost je potpuno prirodna, bez teških otrova, benzoata i
sastojaka koji štete zdravlju. Neutrališe zagađenja, gljivice, bakte-
rije i druge patogene mikroorganizme iz sistema klima uređaja u
vozilima, eliminiše polen, nikotin i ostale prljavštine iz isparivača
klime, sprečava alergijske reakcije, kao i iritaciju očiju. Nakon de-
zinfekcije ultrasoničnim uređajem, na duži vremenski period spre-
čavate dalji razvoj patogena u klima uređajima putničke kabine.

Preporuka je da se ovaj tretman preventivno sprovodi bar
jednom u 6 meseci.

Prilikom pokretanja ultrasoničnog uređaja, započinje pro-
ces nebulizacije (pretvaranja tečne materije u oblak magle, sači-
njen od sitnih čestica). Ovaj proces garantuje kontakt sa svim de-
lovima sistema klima uređaja, uključujući filter kabine i isparivač
klime. Ovakav vid dezinfekcije i fizičke eliminacije patogenih mi-
kroorganizama ima odličan efekat čišćenja na svim sistemima kli-
ma uređaja u vozilima.

COLLOID® tečnost je bez benzoata i drugih toksičnih mate-
rija. Testirana je na veliki broj patogenih mikroorganizama, po-
put *Pseudomonas aeruginosa*, *Escherichia coli*, *Staphylococcus*
aureus, *Enterococcus hirae*, *Candida albicans*, *Aspergillus niger*...

Bakterijske pneumonije čest su uzrok nepravilnog održa-
vanja klima uređaja u vozilima. Najčešće je uzrokuju bakterije
Pneumokok, *Haemophilus influenzae* i *Moraxella catarrhalis*. Ati-
pične pneumonije uzrokuju bakterije *Mycoplasma pneumoniae*,
Chlamydia pneumoniae, *Legionella* ali i respiratorni virusi.

Efikasnost Colloid tečnosti u procentu od 99,99% de-
monstrirana je u različitim minutažama od momenta kontakta sa
patogenim mikroorganizmima (videti strane 22 i 23).

ULTRASONIC DISINFECTION OF VEHICLE INTERIORS, VENTILATION AND AIR-CONDITIONING SYSTEMS

Vehicle air-conditioning systems are equipped with an evaporator that cools and dehumidifies the air.

This evaporator condenses moisture into a liquid, collected in a drain pan and expelled through a hose. However, the evaporator's location—deep within the vehicle, beneath the dashboard—creates a secluded, dark, and humid environment with limited airflow.

Such conditions are ideal for the growth of fungi, bacteria, mold, and other microbes, which can have detrimental health effects.

Are you looking to safeguard your vehicle against viruses and microbes?

When the A/C is activated, harmful microorganisms can become airborne within the vehicle's interior. The presence of these organisms is often indicated by unpleasant odors upon first using the A/C—a warning sign that should not be overlooked. Contaminated air can lead to eye and throat irritation, sneezing, allergic reactions, and more severe health issues.

Utilizing an ultrasonic device with COLLOID® disinfection technology to clean and disinfect the A/C and ventilation systems effectively eliminates pathogens and allergens from vehicles (including cars, buses, lorries, and vans). Our all-natural disinfectant liquid is free from acute toxins, benzoates, or other harmful substances. It neutralizes microbial contamination, fungi, bacteria, and other pathogens within the air-conditioning system, removes pollen, nicotine, and additional impurities from the evaporator, and prevents allergic reactions such as sneezing, coughing, and eye irritation.

Disinfection with the ultrasonic device offers lasting protection against the proliferation of pathogens in the vehicle interior. For preventative care, it is advisable to repeat this treatment at least once every six months.

The activation of the ultrasonic device initiates a nebulization process, transforming the liquid into a fine mist that reaches all parts of the A/C system, including the air filter and evaporator. This method not only disinfects but also physically removes pathogens, resulting in a thorough cleaning effect throughout the vehicle's A/C system.

The COLLOID® technology liquid, devoid of benzoates and toxic substances, has been rigorously tested against a wide spectrum of pathogens, including *Pseudomonas aeruginosa*, *Escherichia coli*, *Staphylococcus aureus*, *Enterococcus hirae*, *Candida albicans*, *Aspergillus niger*, and more.

Bacterial pneumonias, often linked to poor A/C maintenance, are commonly caused by bacteria such as *Pneumococci*, *Haemophilus influenzae*, and *Moraxella catarrhalis*.

Atypical pneumonias can be caused by *Mycoplasma pneumoniae*, *Chlamydia pneumoniae*, *Legionella*, as well as respiratory viruses.

Our liquid demonstrates a 99.99% efficiency rate in various reaction times upon contact with pathogens (refer to pages 22 and 23 for details).





COLLOID® TEHNOLOGIJA - INOVACIJA KOJA POMERA GRANICE U SFERI BIOMEDICINE

Nakon višegodišnjeg istraživanja na polju biomedicine, Koloid je po principima najviših standarda lansirao potpuno prirodnu tehnološku inovaciju, COLLOID® formulaciju, koja globalno još uvek nije zastupljena u oblasti auto industrije.

U pitanju je tehnologija koja u kabinskom prostoru, sistemu ventilacije i klima uređajima prevoznih sredstava, prečišćava vazduh i vrši efikasnu neutralizaciju virusa, bakterija i ostalih patogena.

Bezbedna formulacija za eliminaciju patogena

Koloidov tim farmaceuta, hemičara i tehnologa, uz pomoć profesora i doktora nauka na polju biomaterijala, kao i stručnjaka sa Instituta za nuklearna istraživanja Vinča, Tehnološko-metalurškog fakulteta u Beogradu, Fakulteta medicinskih nauka i Instituta za javno zdravlje Kragujevac, patentirao je potpuno prirodnu tečnost, koja procesom ultrasonične jonizacije vrši gotovo apsolutnu eliminaciju patogena.

COLLOID® tehnologija (Vehicle AC/ultrasonic disinfection liquid) je inovativna formulacija specifičnih fizičko-hemijskih svojstava, nastala ultrasoničnom jonizacijom i postupkom sintertovanja aktivnih komponenti.

Ovu formulaciju karakteriše uređena mikroskopska struktura i kristalna rešetka, sa precizno definisanim prostornim rasporedom molekula. U strukturi tečnosti smešteni su lako pokretljivi joni natrijuma, kalijuma, kalcijuma, magnezijuma, kao i molekuli vode.

Aktivni sastojci tečnosti narušavaju membranski potencijal patogenih mikroorganizama, pri čemu deluju kao katalizatori. Oštećenje mikrobne membrane nastaje kada se čestice tečnosti vežu za površinu bakterije, što dovodi do promena u membranskom potencijalu ćelije i membrane i gubitka njihovog integriteta.

Ovakve hemijske i strukturne karakteristike Colloid tečnosti daju svojstva jakog antipatogenog dejstva i sposobnost eliminacije velikog broja virusa, gljivica i bakterija.

Zahvaljujući svom sastavu i jačini dejstva, tečnost je prepoznata kao najjači organski antioksidans, što su potvrdila i naučna istraživanja naših stručnih saradnika.

Primena COLLOID® tehnologije u budućnosti će biti prepoznata kao jedna od najjačih alternativnih i potpuno prirodnih biomedicinskih formulacija za dezinfekciju kabinskog prostora, sistema ventilacije i klima uređaja u automobilima.

Tečnost koja pokreće rad ultrasoničnog uređaja i vrši dezinfekciju u automobilima, ostvaruje gotovo stoprocentnu stopu eliminacije patogena.

COLLOID[®] TECHNOLOGY - INNOVATION THAT PUSHES BIOMEDICAL BOUNDARIES

Koloid is at the forefront of biomedical innovation with the introduction of COLLOID[®], a unique, all-natural formulation developed through years of dedicated research and advanced technological processes that meet the highest international standards.

Specifically designed for the automotive sector, our technology effectively neutralizes a wide array of pathogens, ensuring the air within vehicle interiors, ventilation, and air-conditioning systems is purified and safe.

A safe, natural solution for comprehensive pathogen elimination

Our laboratories, leveraging the collective expertise of distinguished pharmacists, chemists, technologists, biomaterials scholars, and renowned specialists from the Vinča Institute of Nuclear Science, the Faculty of Technology and Metallurgy in Belgrade, the Faculty of Medical Science, and the Public Health Institute Kragujevac, have developed and patented an all-natural liquid. This liquid, created through ultrasonic ionization, is capable of virtually complete pathogen eradication.

The COLLOID[®] technology (Vehicle AC/ultrasonic disinfection liquid) is a testament to innovation, with unique physical and chemical properties achieved through ultrasonic ionization and the sintering of active components.

The formulation boasts an organized microscopic crystal structure with a precise molecular arrangement, containing mobile ions such as sodium, potassium, calcium, and magnesium, along with water molecules.

The active ingredients in the liquid disrupt the membrane potential of pathogens, acting as catalysts to induce microbial membrane damage. This occurs as the liquid's particles adhere to the bacterial surface, altering the cell's membrane potential, compromising membrane integrity, and leading to the destruction of the pathogens.

With its distinctive chemical and structural properties, the liquid demonstrates a highly effective antipathogenic action, eradicating a wide range of viruses, fungi, and bacteria.

Recognized as a potent organic antioxidant due to its specific composition and effectiveness, the efficacy of the liquid has been validated by our in-house scientific research.

The future of vehicle sanitization lies with COLLOID[®] technology, poised to become one of the most powerful, natural, and alternative biomedical solutions for disinfecting vehicle interiors, ventilation, and air-conditioning systems.

Empowering the ultrasonic disinfection device, this liquid achieves an impressive pathogen elimination rate of nearly 100%, ensuring a cleaner, healthier environment within your vehicle.

Efikasnost COLLOID® tehnologije u eliminaciji velikog broja patogenih mikroorganizama.

----> Staphylococcus

Populacija od oko 10 miliona jedinki uništena je posle samo 4 minuta izloženosti u koncentraciji od 15 ppm.
A population of app. 10 million was destroyed after only 4 minutes of exposure with a 15 ppm concentration.



----> Salmonella

Populacija od oko 10 miliona jedinki uništena je posle 7 minuta izloženosti u koncentraciji 15 ppm.
A population of app. 10 million was destroyed after 7 minutes of exposure with a 15 ppm concentration.



----> Candida

Populacija više od milijardu jedinki uništena je posle 2 minuta izloženosti u koncentraciji 15 ppm.
A population of more than one billion was destroyed after 2 minutes of exposure with a 15 ppm concentration.



----> Escherichia coli

Uzročnik trovanja hranom. Inhibirana je u rastvoru od 2,5 ppm, a ubijena u rastvoru od 5 ppm.
A cause of food poisoning. It was inhibited with a 2.5 ppm solution and killed with a 5 ppm solution.



----> Streptococcus pneumonie

Izazivač pneumonije, meningitisa, sinuzitisa, upale uha, inhibirana je koncentracijom od 5 ppm.
A cause of pneumonia, meningitis, sinusitis, ear inflammation. It was inhibited with a 5 ppm concentration.



The efficiency of COLLOID® technology in the elimination of pathogens.

----> Streptococcus mutans



Glavni uzročnik zubnih naslaga, upala desni i karijesa, ubijena je pri koncentraciji od 5 ppm.

The major cause of dental plaque, gum inflammation and tooth decay was killed with a 5 ppm concentration.

----> Salmonella arizonae



Uzročnik trovanja hranom. Inhibirana je u rastvoru od 2,5 ppm, a ubijena u rastvoru od 5 ppm.

A cause of food poisoning. It was inhibited with a 2.5 ppm solution and killed with a 5 ppm solution.

----> Shigella Boydi



Izazivač dizenterije. Inhibirana je rastvorom koncentracije 1,25 ppm, a ubijena rastvorom od 2,5 ppm.

A cause of dysentery. It was inhibited with a 1.25 ppm concentrated solution and killed with a 2.5 ppm solution.

----> Staphylococcus aureus



Izazivač upale pluća, infekcije oka, sepse, rana, meningitisa, inhibirana rastvorom 2,5 ppm, a ubijena rastvorom od 5 ppm.

A cause of pneumonia, eye infection, sepsis, wounds, meningitis. Inhibited with a 2.5 ppm concentrated solution and killed with a 5 ppm solution.

----> Pseudomonas aeruginosa



Izazivač infekcija opekotina, rana, pneumonija, meningitisa, infekcija urinarnog trakta, inhibirana u koncentraciji od 2,5, a ubijena koncentracijom od 5 ppm.

A cause of burn and wound infections, pneumonia, meningitis, urinary tract infections. It was inhibited with a 2.5 ppm concentration and killed with a 5 ppm concentration.

INTELIGENTNO ULTRASONIČNO ČIŠĆENJE

Uređaj funkcioniše bez potrebe za zagrevanjem, brzo oslobađa aerosol i omogućava efikasnu dezinfekciju kako unutrašnjosti putničke kabine, tako i sistema ventilacije i klimatizacije.

Zahvaljujući COLLOID® tehnologiji, postiže se vrhunska dezinfekcija bez štetnih hemikalija.

Ultrasonična metoda dezinfekcije u vozilima

Prilikom dezinfekcije kabinskog prostora, ultrasonični uređaj se postavlja horizontalno na prednju patosnicu prevoznog sredstva ili na mesto gde je potrebno raspršivanje.

COLLOID® tečnost (Vehicle AC/ultrasonic disinfection liquid), sipati u „izlaz za aerosol”. Kada se uređaj uključi, pali se displej raspršivača (ledeno plava lampica).

Pre pokretanja postupka dezinfekcije potrebno je pritisnuti dugme „Start”, kako bi se raspršivač sam pokrenuo i otpočeo proces raspršivanja. Proces raspršivanja traje 12 minuta. Aerosol se ispušta brzo i ujednačeno, dok delovanje na viruse, bakterije i gljivice pokriva površinu od 25 kubnih metara.

Kada se na displeju uoči treperenje i upali crvena lampica, alarm će se oglasiti tri puta, što znači da je raspršivanje pri kraju. Raspršivač se nakon toga automatski zaustavlja i ulazi u režim čekanja (stand by). Pre početka dezinfekcije klima uređaja i ventilacionog sistema, potrebno je filter kabinskog prostora izvući, obrisati mesto u kojem isti stoji, a uređaj za dezinfekciju postaviti na patosnicu kod suvozača.

Sipati tečnost u uređaj i crevo usmeriti ka mestu gde stoji kabinski filter. Startovati auto, uključiti klima uređaj ili duvanje kod vozila koja ne poseduju A/C. Podešivač temperature vozila podesiti na najnižu temperaturu. Usmerivač vazduha postaviti na centralni deo, otvoriti ga, a nakon toga podešivač temperature podesiti na najjače. Ventilaciju OBAVEZNO podesiti na recirkulaciju.

Izaći iz vozila i zatvoriti vrata i prozore. Uređaj će postupak dezinfekcije završiti za 12 minuta. Nakon toga, umesto starog filtera kabinskog prostora postaviti novi. Nakon korišćenja raspršivača, potrebno je isprazniti preostalu tečnost iz raspršivača i obrisati ga, kako bi ostao čist i suv.

COLLOID® tehnologija eliminiše kontaminaciju mikroorganizmima u sistemima ventilacije, klima uređajima i kabinskom prostoru u vozilima, uključujući 99,99% patogena.

Ultrasonična ćelija sa frekvencijom od 1,7 MHz tečnost pretvara u sitne kapljice (<5 mikrona u prečniku) čija isparenja izdugavaju kroz izlaznu cev. Ultrasonično čišćenje se ostvaruje uvođenjem tečnosti na površinu piezoelektričnog kristala, koji vibrira na vrlo visokoj frekvenciji (ultrazvučna frekvencija), čime stvara maglu koja se diže iznad uređaja. Ovu maglu apsorbuje vazduh koji kruži u kabini vozila. Na taj način dopire na sva mesta koja zahtevaju čišćenje (naročito isparivač klimatizacije), pri čemu u čitavom vozilu eliminiše prisutne viruse, gljivice i bakterije, kao i neugodan miris.

INTELLIGENT ULTRASONIC CLEANING

The device boasts an array of features including air ionization, a user-friendly digital display with touch-screen controls, an activated carbon filter for superior dust and air purification, and a convenient 24-hour timer.

To disinfect your vehicle's interior, position the ultrasonic device horizontally on the back passenger floor mat or the targeted area. Fill the "aerosol outlet" with our COLLOID® technology solution (**Vehicle AC/ultrasonic disinfection liquid**). Upon activation, the atomizer's display illuminates with an icy blue light. Press the Start button to activate the atomizer and begin the 12-minute spraying treatment. The aerosol disperses swiftly and uniformly, providing anti-viral, anti-bacterial, and anti-fungal protection over an area of 25 cubic meters.

A flashing display and a red light, followed by three buzzer sounds, signal the end of the spraying process. The device then automatically ceases operation and enters standby mode. For disinfecting A/C and ventilation systems, first remove the vehicle's interior filter, clean the filter housing, and place the device on the front passenger floor mat. Direct the hose towards the filter housing after pouring in the disinfection liquid. Start the vehicle, activate the A/C or cooling fans, and adjust the temperature to the lowest setting. Direct airflow to the center dashboard vents, open them, and set the temperature to the highest level.

Switch the ventilation to recirculation mode. Once the process is complete, allow the vehicle to ventilate naturally for 10 minutes before it's ready for use.

Ultrasonic vehicle disinfection procedure

After the disinfection cycle, which takes 15 minutes, exit the vehicle and ensure all doors and windows are closed. Subsequently, replace the old air filter with a new one. Post-use, empty the atomizer of any remaining liquid, and clean and dry the unit.

COLLOID® technology effectively eliminates 99.99% of microbial contaminants, including enveloped viruses and bacteria, from the vehicle's ventilation, A/C, and interior.

The ultrasonic cell operates at a frequency of 1.7 MHz, transforming the liquid into fine droplets smaller than 5 microns in diameter. This vapor is expelled through the outlet tube. The ultrasonic cleaning process involves the vehicle A/C disinfection liquid interacting with the surface of a piezoelectric crystal vibrating at ultrasonic frequency. This action generates a mist that permeates the air circulating within the vehicle's closed interior, reaching all areas in need of cleaning—especially the A/C evaporator—eradicating viruses, fungi, bacteria, and odors throughout the vehicle.

UPUTSTVO ZA DEZINFEKCIJU KLIMA UREĐAJA / VENTILACIONOG SISTEMA



Za optimalan kvalitet vazduha i higijenu vozila, sledite sledeće korake, kako biste dezinfikovali sistem za klimatizaciju/ventilaciju i zamenili unutrašnji filter za vazduh:

1.

FILTER KABINE

- Skinuti filter, ukloniti prašinu
- Spoljašnjost očistiti vlažnom krpom

ZAMENA FILTERA ZA VAZDUH

- Po preporuci

2.

- U uređaj sipati bocu od 120 ml COLLOID® tečnosti za automobile
- Uređaj na putničkoj strani postaviti horizontalno na pod, bez nagiba
- Ubaciti utikač u priključak u automobilu (upaljač ili struja)
- Startovati motor

3.

- Unutrašnju temperaturu podesiti na najnižu
- Ventilator podesiti na najvišu brzinu
- Protok vazduha podesiti samo na centralne ventilatore kontrolne table
- Ventilaciju podesiti na „recirkulaciju“
- Ubaciti izlaznu cev i postaviti je u otvor ulaza za vazduh

4.

- Pritisnuti dugme „START“
- Izaći iz vozila i zatvoriti vrata
- Uređaj se automatski isključuje na kraju tretmana, pri minimalnom nivou tečnosti
- Otvoriti dvojna vrata na suvozačevoj strani i ostaviti ih otvorenim oko 5 minuta
- Isključiti iz napajanja i ukloniti ostatak

5.

- Isprazniti mašinu
- Zatvarač vratiti na otvor za punjenje
- Isprazniti rezervoar

INSTRUCTIONS FOR AC/VENTILATION SYSTEM DISINFECTION

For optimal air quality and vehicle hygiene, follow these steps to disinfect your AC/ventilation system and replace the interior air filter:

1.

INTERIOR AIR FILTER

- Remove the air filter and clear away any dust
- Wipe the filter housing exterior with a damp cloth

AIR FILTER REPLACEMENT

- Replace the air filter as per the manufacturer's recommendations

2.

- Pour a 120 ml bottle of COLLOID® car disinfection liquid into the device
- Place the device upright on the passenger side floor
- Connect the power plug to the vehicle's power outlet (cigarette lighter or socket)
- Start the vehicle's engine

3.

- Adjust the internal temperature to the lowest setting
- Set the fan to the highest speed
- Direct airflow exclusively to the center dashboard vents
- Switch the ventilation to "recirculate" mode

4.

- Press the "START" button
Exit the vehicle and close all doors
- The device will automatically turn off at the end of the treatment cycle or when the minimum fluid level is reached
- After the cycle, open two opposite doors and leave them open for approximately 5 minutes to ventilate

5.

- Disconnect the power source and properly dispose of any residue
- Empty the device's tank and replace the cap on the filling opening
- Put the cap back on the filling opening
- Ensure to follow these instructions carefully to maintain a clean and healthy environment within your vehicle





UPUTSTVO ZA DEZINFEKCIJU KABINSKOG PROSTORA

1.

- U uređaj sipati bocu od 120 ml COLLOID® tečnosti za automobile
- Uređaj na putničkoj strani postaviti horizontalno na pod, bez nagiba
- Ubaciti utikač u priključak u automobilu (upaljač ili struja)

2.

- Pritisnuti dugme „START“
- Izaći iz automobila i zatvoriti vrata
- Uređaj se automatski isključuje na kraju tretmana, pri minimalnom nivou tečnosti
- Isključiti iz napajanja i ukloniti ostatak
- Otvoriti dvojna vrata na suvozačevoj strani i ostaviti ih otvorenim oko 5 minuta

3.

- Isprazniti mašinu
- Vratiti zatvarač na otvor za punjenje
- Isprazniti rezervoar

4.

NAPOMENA U VEZI SA FILTEROM AUTOMOBILA

- Nakon korišćenja uređaja preporuka je zameniti filter za vazduh

INSTRUCTIONS FOR VEHICLE INTERIOR DISINFECTION

1.

- Pour a 120 ml bottle of COLLOID® car disinfection liquid into the device
- Put the device upright on the passenger side floor
- Connect the power plug to the vehicle's power outlet (cigarette lighter or socket)

2.

- Press the "START" button
- Exit the vehicle and close all doors
- The device will automatically turn off at the end of the treatment cycle or when the minimum fluid level is reached
- Disconnect the power source and properly dispose of any residue
- After the cycle, open two opposite doors and leave them open for approximately 5-10 minutes to ventilate

3.

- Empty the device's tank and replace the cap on the filling opening
- Ensure to securely replace the cap on the filling opening after use

4.

IMPORTANT NOTE REGARDING THE CAR FILTER

- After utilizing the device, we recommend replacing the air filter to maintain optimal air quality within your vehicle





NAŠA VIZIJA

Naša vizija je usmerena ka stalnom unapređenju tehnologije i proboju na evropsko i svetsko tržište sa pametnim inovacijama koje su prepoznatljive i konkurentne.

Zadovoljstvo naših klijenata postizemo ne samo ispunjavanjem, već i prevazilaženjem njihovih zahteva, potreba i očekivanja. To činimo integracijom znanja i iskustava u oblasti inteligentne automatizacije procesa.

Spremni danas za sve što donosi sutra!

U eri ubrzanog tehnološkog napretka, kao kompanija težimo da aktivno doprinosimo primeni najmodernijih tehnoloških rešenja, na zadovoljstvo svih korisnika naših proizvoda i usluga. Želimo da imamo važnu ulogu i budemo partner u njihovom razvoju i primeni.

Cilj nam je da se pozicioniramo kao lideri u kreiranju, projektovanju i implementaciji rešenja koja pomeraju granice.

Vođeni principom konstantnog unapređenja kvaliteta, naša vizija usmerena je ka povećanju naučnih i tehnoloških potencijala kompanije, efikasnog transfera znanja i stručnosti.

Formiramo novu generaciju stručnjaka sposobnih za dizajniranje, koordinaciju i realizaciju eksperimentalnih istraživanja, sa jasnim fokusom ka inovacijama u proizvodima i uslugama.

Posvećeni smo društvenim vrednostima i promovišemo socijalnu odgovornost, poštujući zakonske propise i etičke standarde.

Zahvaljujući posvećenosti našeg tima, adaptabilnosti i bliskosti koju gradimo sa klijentima, kako na domaćem, tako i na međunarodnom tržištu, postajemo njihov izbor broj jedan.

OUR VISION

At the heart of our vision lies a commitment to continuous technological innovation, with the goal of carving out a significant presence in both European and global markets. We are recognized for our smart, competitive innovations that not only meet but exceed customer expectations. Our expertise in intelligent process automation is the cornerstone of our approach to customer satisfaction.

In an era marked by swift technological progress, we are not just focused on developing new products; we are dedicated to making a tangible contribution to the application of cutting-edge technological solutions.

Our ambition is to be an essential player and partner in the realm of technology development, aiming to be at the forefront of creating, designing, and implementing the finest process solutions.

The future is now

Our expertise, innovative spirit, and influence are directed towards the successful adoption of new technologies, ensuring the satisfaction of both process owners and end-users. We are on a continuous journey to enhance our efficiency and elevate the quality of our work.

With a constructive approach, we offer reliability and foster trust among our partners.







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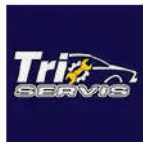


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