

PLASMA Magic Cup Holder Proposal



Nudia Inc.,
www.nudia.kr



YOUR DRIVE MORE ENJOYABLE

PLASMA Magic cup Holder

This is a cup holder for vehicles not only to mount or keep items safely according to the user's purpose by using the 6 in 1 holder function of the Magic Cup Holder but also to keep clean & comfortable air in the car by installing the plasma function in the Magic Cup Holder.

In addition, it is made in modern-styled plasma + magic cup holders that match the vehicle's price by giving points to SF's finest coating and leather.



To keep humankind safe
The future light “plasma”



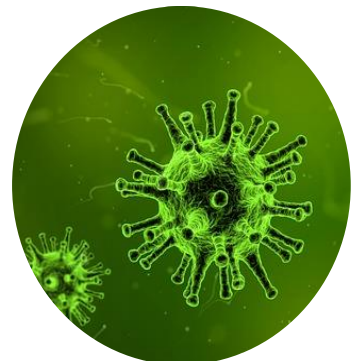
HADES is a plasma ion generating module that can remove up to 100% of harmful substances such as bacteria, viruses, and chemicals in the air by generating plasma ions.



[곰팡이]



[탈취]



[Anti 바이러스]

Principle of Plasma module

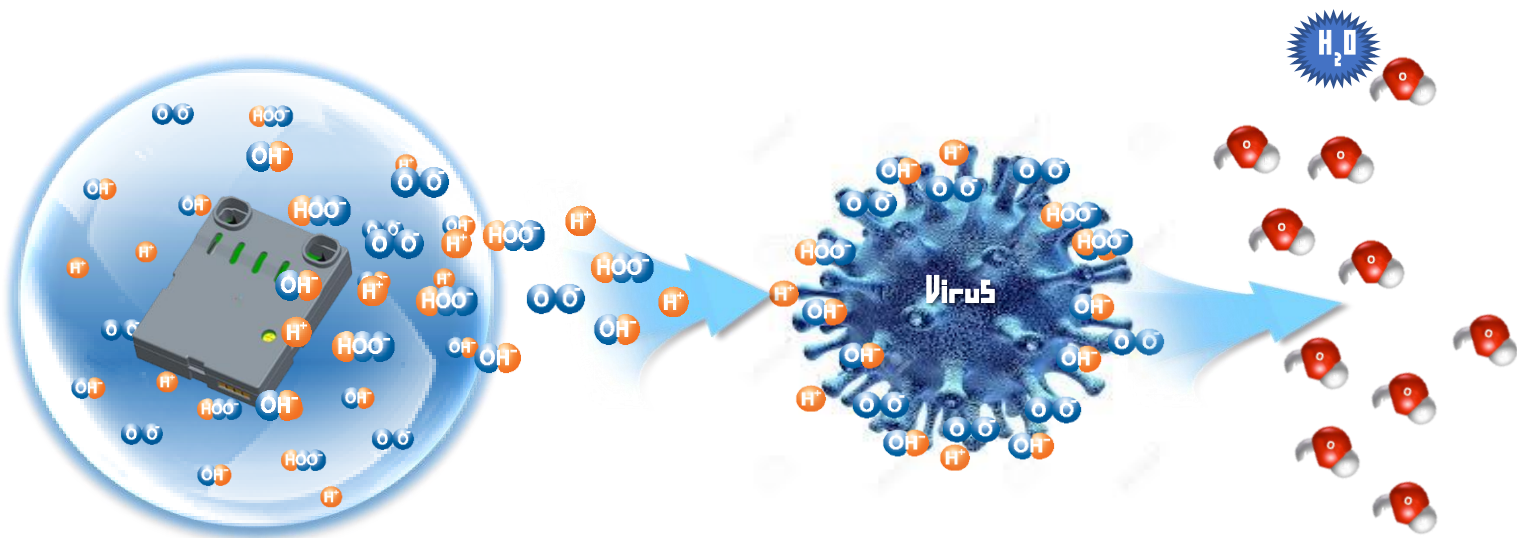
Generating Ion and Free radicals

Plasma state

Chemical reaction with harmful substances

Reverting of harmful substances into water molecules. (Removed)

When high reactive free radicals (O_2^- , OH^- , HOO^- , etc.) encounter harmful substances such as viruses, bacteria, and mold in the air, they destroy the cell membranes and damage DNA, preventing them from functioning, and it inactivates or removes harmful substances through the process of taking electrons back and reverting them into water molecules.



JTBC Special Documentary 'Plasma, the future light of humankind'

Introduction of antibacterial, deodorizing, and virus removal performance of air cleaners



실험영상보기: <https://youtu.be/uDU3TBHL8P4>



실험영상보기: <https://youtu.be/BjahHnu8tMg>

Feature of Magic cup Holder

This is a cup holder for vehicles to mount or keep items safely according to the user's purpose by opening the necessary part of the 1-6 steps in the comfortable and more air-clean car with the plasma function installed in the magic cup holder.



01

Plasma Magic Cup Holder **Stage 1** (application)

The 1st stage of the cup holder generates ions from a built-in HADES plasma module and removes harmful substances such as bacteria, viruses, mold and chemicals in the air **up to 100%** to pursue safety in life.

To keep humankind safe
The future light “plasma”



Plasma operates automatically when plugging in, and a soft light is emitted from the logo.

When the power is on, it starts in strong mode, and when touches the logo part once, it turns into weak mode, and when touches it again, it powers off.



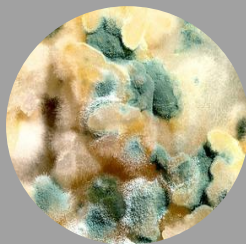
Power II

Power I

Power off



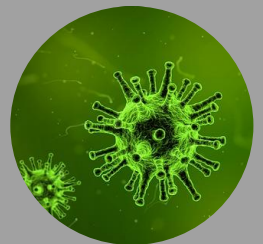
In Chaane-Plasma Magic Cup holder's module, 18 million plasmas are continuously generated to remove mold, viruses (corona, SARS, MERS, etc.), odor, dust, etc.



[Anti-bacteria]



[Deodorization]



[Anti-virus]



If you want to sterilize masks, cell phones, etc., put them on the plasma generator or on the cup holder to sterilize them.

02

Plasma Magic Cup Holder **Stage 2** (application)

In the stage 2, the cup holder size is 7.5 cm in diameter and 6 cm in depth so small cups, mobile phones, business cards, props, cans, keys, jewelry, masks can be mounted and sterilized at the same time.

**03**

Plasma Magic Cup Holder **Stage 3** (application)

In the stage 3, can mount cafe cups, cell phones, drinks, and also can sterilize masks, mobile phones, and accessories.

The ring size is 7.5mm inside diameter.



04

Plasma Magic Cup Holder Stage 4 (application)

The 4th stage is a magic part. When the button on the cup body is pushed up, the castle built inside comes up.

When turn the castle, the castle can carry small cups, cans, sunglasses, cosmetics, mobile phones, etc., and also any big items such as tumblers, water bottles, drinks, etc. can be mounted in the cup body holder. .

Those items in the cup holder are always sterilized.



05

Plasma Magic Cup Holder Stage 5 (application)

In step 5, can remove the coin plate at the bottom of the cup, and can store small items such as coins, fragrances, and jewelry, etc.



06

Plasma Magic Cup Holder **Stage 5** (application)

Stage 6 can be used as a table of 12.5cm wide by opening the half of the castle in the magic part.

Sandwich, hamburgers, snacks, mobile phones and simple foods, etc. can be carried.



NUI-CP20H5

Chaane-Plasma Magic Cup Holder is developed and produced in cooperation with IM HEALTHCARE who has developed, registered patents and held test reports for plasma.

Certificates

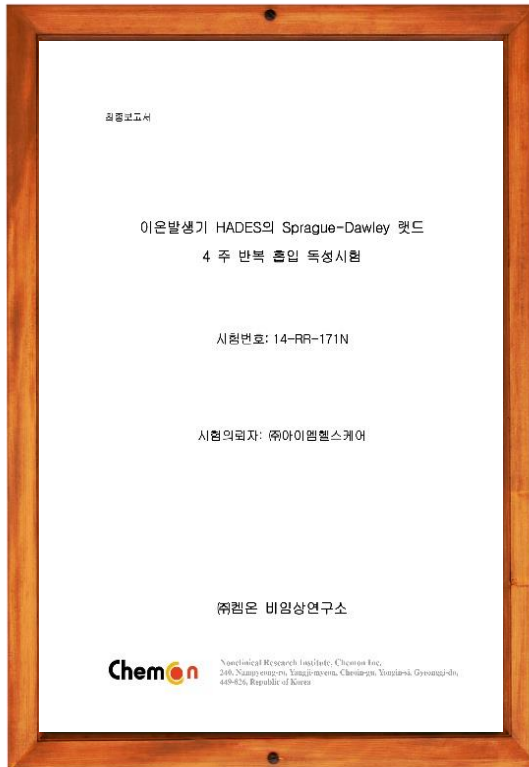
Item	Pollutant	Test Condition			Result	Certificate Authority
		Chamber size	Test Time	Method		
Dust & Allergens	PM 2.5	60L	30(min)	Airborne	95.3%	遠赤外線 應用研究會 (Japan)
	Cedar pollen	60L	30(min)	Airborne	92.7%	
	Hinoky cypress pollen	60L	30(min)	Airborne	92.1%	
Anti-virus	Influenza A virus (H1N1)	0.2 m³	0, 10, 30, 60(min)	Airborne	45.1 % (10 min) 99.2 % (30 min)	Kitasato Univ. (Japan)
	Feline virus	0.2 m³	0, 10, 20, 30(min)	Airborne	49.0 % (10 min) 97.2 % (20 min)	Kitasato Univ. (Japan)
	H5N1_Influenza A subtype	0.085 m³	0, 10, 30(min)	Airborne	99.9% (10 min) 99.9% (30 min)	Microbiotest (USA)
	H7N9_Avian Influenza	0.085 m³	0, 10, 30(min)	Airborne	99.9% (10 min) 99.9% (30 min)	Microbiotest (USA)
	Human coronavirus * Similar to SARS & MERS	0.085 m³	0, 10, 30(min)	Airborne	99.9% (10 min) 99.9% (30 min)	Microbiotest (USA)
	ZIKA Virus	0.085 m³	0, 10, 30(min)	Airborne	97.3% (10 min) 99.9% (30 min)	Microbiotest (USA)

Item	Pollutant	Test Condition			Result	Certificate Authority
		Chamber size	Test Time	Method		
Anti-Bacteria Deodorization	Escherichia coli	8 m³	240 (min)	Airborne	99.8%	Korea Conformity Laboratories (KCL)
	Pseudomonas aeruginosa	8 m³	240 (min)	Airborne	99.8%	
	Staphylococcus aureus	8 m³	240 (min)	Airborne	99.9%	
	Ammonia (NH ₃)	5L Gas Bag	240 (min)	Airborne	100%	
	Toluene (C ₇ H ₈)	5L Gas Bag	240 (min)	Airborne	100%	
	Benzene (C ₆ H ₆)	5L Gas Bag	240 (min)	Airborne	100%	
	Formaldehyde (HCHO)	5L Gas Bag	240 (min)	Airborne	100%	
	Sulfur Dioxide (SO ₂)	5L Gas Bag	240 (min)	Airborne	99.5%	
	Nitrogen Dioxide (NO ₂)	5L Gas Bag	240 (min)	Airborne	99.5%	
Allergy Fine dust	Fine dust (PM 2.5)	60L Chamber	30 (min)	Airborne	95.3%	Far-infrared Ray Research (Japan)
	Cedar pollen (Sugi)	60L Chamber	30 (min)	Airborne	92.7%	
	Hinoky cypress pollen (Hinoki)	60L Chamber	30 (min)	Airborne	92.1%	
Safety	Ozone Production	30.4 m³	720 (min)	Maximum measurement	0.002 [ppm]	Korea Institute of Machinery & Materials (KIMM)
	Inhalation Toxicity Test	-	28 Days	Macrography & Pathological examination	Safe	Nonclinical Research Institute, Chemon Inc.



And completed two safety tests to ensure safety!

Animal toxicity test-Non toxicity



Ozone production-
below the indoor recommendation standard



18 kinds of antibacterial, deodorant, and virus removal test reports

(Ions are not selective reactive, so they can actually remove more types of harmful substances.)



Influenza A 바이러스

고양이바이러스

고병원성 조류독감

조류독감

코로나바이러스

지카바이러스

대장균

녹농균



황색포도상구균

암모니아

포름알데히드

톨루엔

벤젠

이산화황

이산화질소

REMARK

* Logo Print : within Width 4cm x Length 4cm



► Materials : ABS, PE, Silicon

► Installable Vehicles : Vehicle cup holder diameter within 75mm ~ 90mm

► Package



Width 9.1cm
Length 19.5cm



Weight 380gr



W 50cm x L 45cm x H 48cm
40pcs/carton
16.5kg/carton

PHOTO VIEW

Usage Photos for Each Step



Use it anywhere with a spare battery.
Restaurant/Outdoor/Taxi, etc.



At Home



At Library



At Meeting