



STEAM

Full ahead against dirt!

VACUUM FUNCTION

Vacuum suction, steam cleaning and drying, all in a single pass.

SANITIZATION

WITH UV-C RAYS

The germicidal effect of UVC radiation extends to bacteria, viruses, spores, fungi, molds, and mites.



BIG POWER UVC STEAM®

FULL STEAM AHEAD AGAINST DIRT!

BIG POWER® is a system for cleaning air equipped with a water filter and sanitizing system with UVC rays. It can purify air in closed environments (indoor pollution) by **removing 99.9% of air pollutants**; therefore, it can be used to prevent health disorders deriving from the presence of air pollutants.

The **innovative water filtration system** captures dust, pet hair, and small particles. The special water filter, combined with the internal molecular separator, **guarantee the efficiency of the BIG POWER UVC's filtering performance for all the allowed types of use** (floors, upholstered furniture, parquet flooring, etc.)

The use of steam for cleaning has a long history of success. When steam is applied to a surface, the **steam molecules, which are very small, have the ability to penetrate the numerous fissures and pores** of the surface to be treated. The added value is that the heat from the steam molecules kills the microbes while they are being removed, together with any other pathogens such as molds, fleas, mites and bugs. Treating a surface with steam has many advantages: cleaning, sanitizing, and perfuming the environment. In addition, by consistently using steam, treated surfaces will be increasingly easier to clean in future and the presence of microorganisms will be greatly reduced.



Power supply	230 V - 50 Hz
Filtration system	Water molecular separation™
Maximum depression	1700 mmH ₂ O
Air flow	100 m ³ /h
Suction power adjustment	Yes, with 3 levels
Boiler refill system	automatic refill
Operating pressure	4,8 BARS
Maximum temperature	155°C
Boiler capacity	0,8 L
Boiler material	AISI 304
Boiler power	2100 W
Steam flow adjustment	Yes, with 3 levels
Water tank capacity	1L
Dimensions L x W x H (mm)	420 x 370 x 400 mm
Range of action	9 mt
Maximum power absorbed	2300W

CERTIFIED QUALITY

MADE IN ITALY

Big Power has been certified by external control bodies to be a safe and high-quality product, **100% Made In Italy**.

INTERNATIONAL CERTIFICATIONS

BIG POWER is subject to strict inspections by **renowned, independent, international certification bodies**, which guarantee and certify that the product fully complies with the production standards and regulations.

US CERTIFICATION

The United States Patent and Trademark Office (USPTO) is the administrative body responsible for issuing patents and trademarks registered in the United States of America. It is considered the most important body in the field of patents, in particular, because of the economic size of the US market.

In carrying out its duties, the USPTO fulfils the mandate of Article I, Section 8, Clause 8, of the US Constitution which is to “promote the progress of science and useful arts, by securing for limited times to authors and inventors the exclusive right to their respective writings and discoveries”.

The USPTO registers trademarks on the basis of the trade clause of the Constitution (Article I, Section 8, Clause 3).



CERTIFIED QUALITY



Fraem S.r.l.

Gruppo T.P.A. IMPEX S.p.A.

Sede: Piazzetta Albere, 34 - 36060 Romano d'Ezzelino

Entrata clienti: lato via Monte Tomba SNC

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P.IVA IT 00936310257 - Cod. Fisc. 00936310257

CERTIFICATION OF THE UNIVERSITY OF PISA

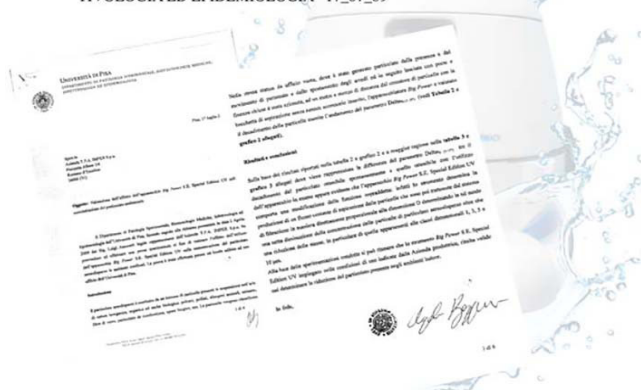
Oggetto: Certificazione

L'azienda FRAEM srl Gruppo TPA Impex spa dichiara che quest' ambiente viene sanificato giornalmente con sistema **BIG POWER®**

L'ambiente viene sottoposto ad un processo di igienizzazione e sanificazione dell'aria in grado di eliminare il 99,9% dell'inquinamento indoor. Sono debellati acari, spore, muffe e batteri da contagio, odori persistenti causati da materiale chimico e/o organico.

Protocollo di ricerca ed indagine: Università di Pisa - DIPARTIMENTO DI PATOLOGIA SPERIMENTALE, BIOTECNOLOGIE MEDICHE, INFETTIOLOGIA ED EPIDEMIOLOGIA 17_07_09

The Department of Experimental Pathology, Medical Biotechnology, Epidemiology and Infectious Diseases of the University of Pisa conducted an experimental test to evaluate the effectiveness of Big Power.



UNIVERSITÀ DI PISA

CERTIFIED QUALITY



TÜV CERTIFICATION

The TÜV SÜD certification mark is recognized worldwide and is only awarded upon completion of a careful verification and inspection program.

TÜV SÜD carries out regular inspections to ensure that products promptly comply with the new standards.

The achievement of this certification demonstrates Fraem's commitment to offer a range of products that is increasingly reliable, efficient and long-lasting.



pH s.r.l. Società Unipersonale
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web: www.pH.it

TEST REPORT

N° 14AM17936

Identification number: 14AM17936
Sample description: Vacuum Cleaner Big Power
Sampled by: Customer (S)
Customer: TPA IMPEX SpA
Piazzetta Albere 3/4
Romano D'Ezzelino - 36060 - VI
Arrival date: 15/06/2016
Test start: 01/07/2015
Test end: 09/07/2015
(S) Laboratory is not responsible for sampling modalities.

Test Method and testing condition:

The instrument was tested according to IEC 60335-2-109:2012 - item 32 radiation, toxicity and similar hazards.

TEST RESULTS

Test item	Result	Units	Acceptability limit
Total UV-C irradiance	< 0.003	W/m ²	< 0.003
Total effective UV irradiance	< 1	mW/m ²	< 1
Ozone	< 5 x 10 ⁻⁴	% v/v	< 5 x 10 ⁻⁴

Ozone test was carried out for 24 hours in a windowless room sized 3.5 m x 3.0 m x 2.6 m with walls covered with polyethylene foil.

Comments:

The tested instrument complies with Technical Standard IEC 60335-2-109:2012 item 32.101 and 32.102

Sambuca Val di Pesa, July 14 2015



the Laboratory Manager
Dott.ssa Maria Filomena Villulli

Maria Filomena Villulli

The results in this report applies only to the sample(s) specifically listed above.
This report shall not be reproduced except in full, without the written approval of the laboratory.

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OZONE TEST

All our tests and test reports are checked and verified by a team of professionals who guarantee the high-quality standards and the very high reliability of the results. pH Srl carries out testing activities for the food/food contact sector as well as for the environmental sector. Since January 2013 it has been part of the international network of laboratories operating for the TÜV SÜD Group.

The ozone test carried out by pH Srl determines the concentration of ozone for devices related to the treatment of water with ultraviolet radiation. The ozone values found in the test room, under specific conditions, are lower than the maximum value provided by the IEC EN 60335-2-109 standard. This standard regulates the safety of electrical appliances for domestic and similar use, as well as water treatment appliances with UV radiation.

CERTIFIED QUALITY



TÜV CERTIFICATION

TEST REPORT
RAPPORTO DI PROVA
EMC tests on
BIG POWER
Test di compatibilità elettromagnetica
BIG POWER

Customer (Richiedente):

- Dept./Firm (Ente/Società): T.P.A. IMPEX S.p.A.
- Mr./Mrs. (Sig./Sig.ra.): Cristiano Tosin
- Address (Indirizzo): Piazzetta Albere 3/4 – 36060 Romano d' Ezzelino (VI)

Test Request Form no.:
Modulo Richiesta Prova n.:
EMC15/137

Test Report sent to:
Rapporto inviato a:
Cristiano Tosin

Name and Signature of the test engineer:
Nome e Firma esecutore prova:
Luciano Silla

Name and Signature of the Technical reviewer:
Nome e Firma del Revisore tecnico:
Giuseppe Mecchia

Date of test samples receipt:
Data ricevimento campioni:
24/06/2015

Date of test execution:
Data esecuzione prove:
From 24/06/2015 to 25/06/2015

Site of test execution (if different from the address in the footer):
Località esecuzione prove (se diversa dal piè pagina):

Witness to the test:
Presenti alle prove:
none

The test results contained in this Test report relate to the tested samples only.
I risultati del presente rapporto di prova si riferiscono esclusivamente al campione sottoposto a prova.
The integral reproduction of the present Test report is allowed; the partial reproduction must be authorized in writing by the Lab.
E' ammessa la riproduzione integrale del presente Rapporto di prova da parte del Richiedente; la riproduzione parziale dev'essere autorizzata per iscritto dal Laboratorio.

Electromagnetic interference, produced by equipment and systems, can pose a danger to human health and to the environment; for this reason, many countries have made electromagnetic compatibility (EMC) testing mandatory, so that electrical and electronic products can be marketed safely.

Thanks to a team of technical experts in EMC, TÜV SÜD Group carries out electromagnetic compatibility tests.

TPA is committed to meeting the electromagnetic requirements and achieving the safety standards required by law.



PRACTICAL ACCESSORIES



Handle unit



Brush with 4 clamps



Extension tube



Dress-fit (1 hole)



**Accessory for
cleaning up liquids**



**Accessory for
cleaning up solids**



Window cleaner



**Sink plunger
accessory**



**Hot water
extraction brush**



**Rubber-rubber
insert**



**Rubber-bristle
insert**



**Dosing bottle for
Hot Water extraction**



Large dress-fit nozzle



Small dress-fit nozzle



Small nylon brush



Small brass brush

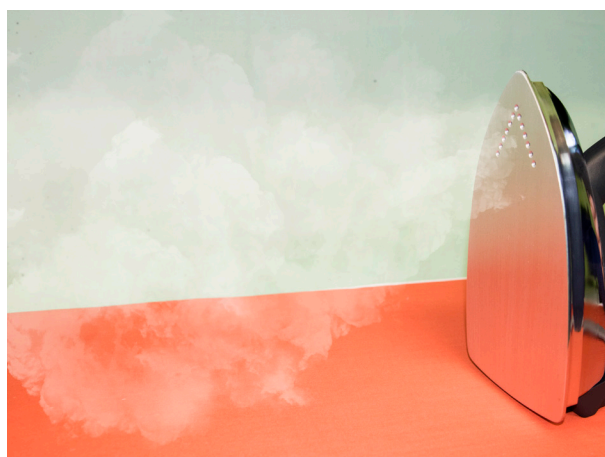
OPTIONAL ACCESSORIES

In addition to the standard accessories, it is possible to enrich Big Power with a special series of optional accessories that will transform Big Power into a real multifunctional system.



VAPORIZER

This practical set of accessories can transform your Big Power into a humidifier or perfume diffuser. The vaporizer, patented by TPA, combines two main functions: it humidifies the environment in which it is used in a healthy way, and it also guarantees a fresh scent of citrus or eucalyptus. The accessory set contains the vaporizer bottle and the essence bottle.



PROFESSIONAL IRON FOR VERTICAL IRONING

The special shape of the plate of this professional iron allows you to concentrate all the steam at the tip, thereby ensuring optimal ironing.

The Teflon-coated cable does not damage the ironing board while ironing.

A practical LED light on the front facilitates ironing, allowing you to easily check the most critical points of the garments you want to iron.



ZERO VOLT CARPET CLEANER

The carpet cleaner set guarantees deep cleaning thanks to the rotating movement of the brushes that remove dust from carpets, mattresses or any soft surface.

The dust is then sucked in and retained in the container.

Together with the steam function it sanitizes all those parts that cannot be treated with chemical detergents.

HOT WATER EXTRACTION

With the washing-hot water extraction function steam is generated together with a water solution to remove stubborn dirt effectively. According to the contents of the bottle, it is possible to obtain either a mixture of steam with a water-detergent solution, or a mixture of steam and water, used with the hot water function.



Easy bottle filling

This practical bottle, specially designed for the Washing-Hot water extraction function, can be easily filled in any sink, even one where it would be difficult to fill an ordinary 0.5-liter water bottle.

Inserting the dosing bottle is also easy and safe.

The hole in the upper part of the bottle is useful for positioning the bottle cap during the cleaning operations. In this manner, you will not risk losing it.



Easy and safe insertion

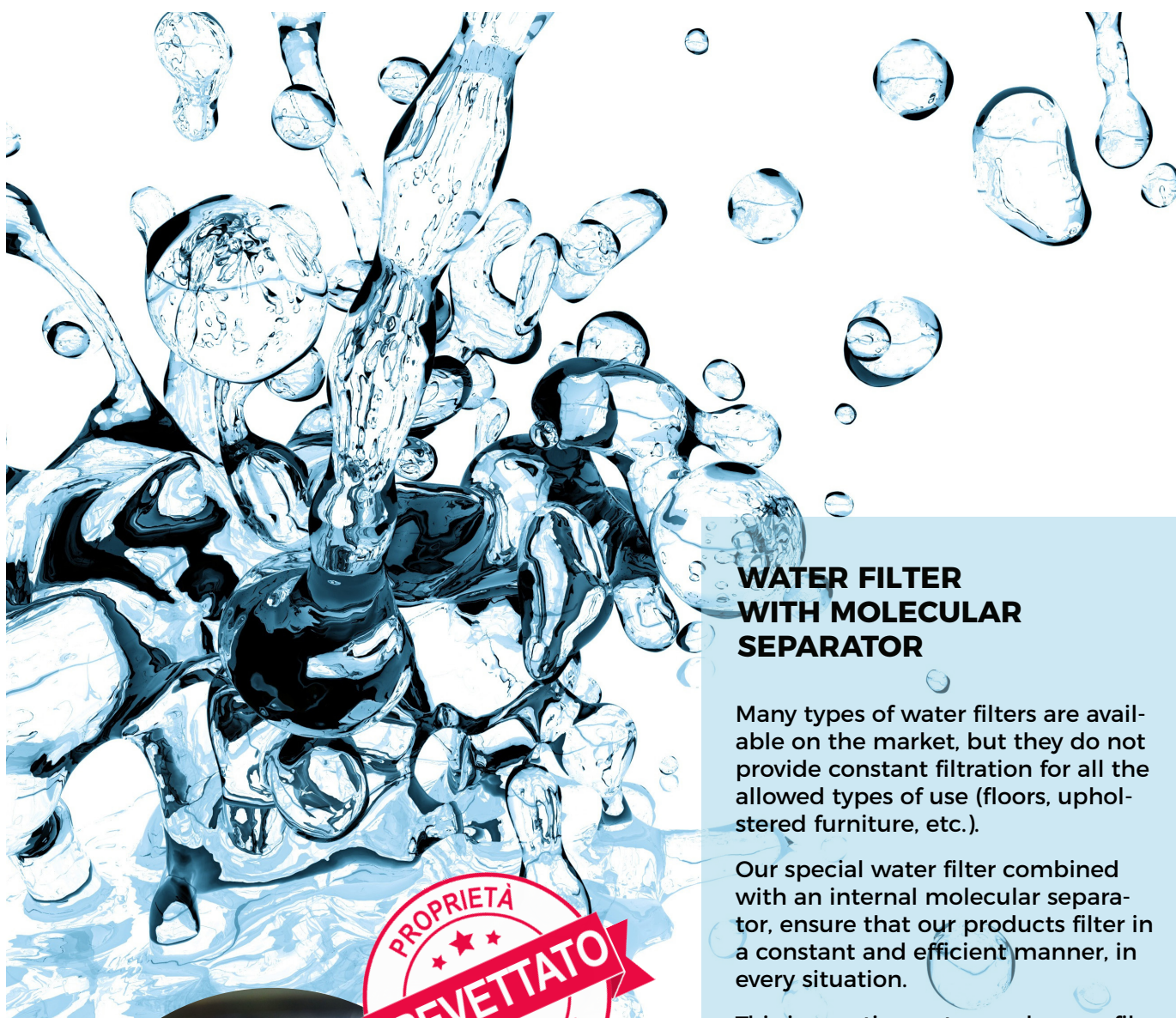


Washing-hot water extraction polycarbonate brush

The special Washing-Hot Water Extraction brush is made of polycarbonate, which is a very impact-resistant material. You can immediately check how much dirt has been sucked in thanks to the transparent brush.

The Washing-Hot Water Extraction function revives the fabric fibers. Usually it takes 8 hours to wash and dry a carpet, but with the washing-hot water extraction function the carpet dries in only two hours, the colors are brighter, and your carpets and upholstered furniture are thoroughly sanitized.

PATENTED WATER FILTER



WATER FILTER WITH MOLECULAR SEPARATOR

Many types of water filters are available on the market, but they do not provide constant filtration for all the allowed types of use (floors, upholstered furniture, etc.).

Our special water filter combined with an internal molecular separator, ensure that our products filter in a constant and efficient manner, in every situation.

This innovative system enhances filtration right when maximum effectiveness is required, surpassing the competitors' products which are not able to perform at the same level.

The water filtration system retains dust, hair and small particles that are then simply removed by emptying the water from the tank.



THE BENEFITS OF OZONE



OZONE: HELP FROM NATURE

Ozone is a molecule with extraordinary properties, as it is a powerful natural disinfectant.

Integrated into many applications, it is a valuable tool to effectively combat mold, mites, spores and bacteria present in the water we drink and in the air we breathe.

Unfortunately, since it is not a molecule that lasts over time, it is necessary to generate it at the right time and in the right quantity.

TPA has managed to seize this opportunity by creating products that generate this type of molecule.

OZONE AND ITS PROPERTIES

The possibility of exploiting ozone for cleaning and sanitizing both objects and environments derives from its high oxidizing and disinfecting power, which allows it to be widely used to disinfect water and air.

Ozone can degrade and eliminate any polluting or harmful elements such as viruses, mites, insects, spores, mold, harmful chemicals, and even smoke and odors, all in an environmentally friendly way.

In closed environments, ozone performs an effective antifungal and bactericidal disinfection, bringing great benefits in many fields of application.

THE ADVANTAGES OF OZONE

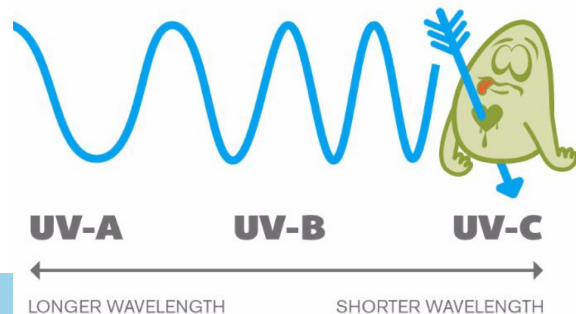
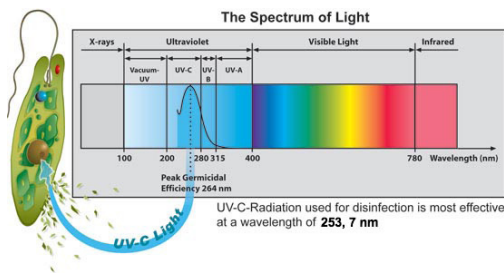
- ✓ No more chemical products are needed: ozone totally eliminates the use of additives
- ✓ Eco-friendly: it leaves no residues, odors, toxins, but returns to oxygen after a few minutes
- ✓ Deep sanitization: it reaches all points, even the most difficult ones to sanitize.

To validate the absolute compatibility of ozone, in the right quantities, the FDA (Food and Drug Administration), the US government body responsible for the regulation of food and pharmaceutical products, has also admitted the use of ozone in the production processes of the food industry, since June 26, 2001.

In addition, ozone has been used for the disinfection of bottled water since 1982. Since 1984, all the swimming pools for the Olympic Games have to be purified with ozone.

In July 1996, with Protocol No. 24482, the Italian Ministry of Health recognized ozone as a "NATURAL ELEMENT FOR THE STERILIZATION OF ENVIRONMENTS".

SANITIZING WITH UV-C RAYS



The germicidal effect of UVC radiation has the highest efficacy at a wavelength of 253, 7 nm (nanometers). This particular characteristic is mainly due to the destructive effect of UVC radiation on the DNA of germs. In particular, their reproductive system is damaged, preventing their growth and multiplication.

Sanitizing with UVC rays: an ecological and functional process

This type of sanitizing procedure has a great advantage: bacteria, viruses, spores, fungi, molds, and mites are in fact very sensitive to UVC radiation. .

Our UVC radiation system avoids the danger of serious health risks that can occur with the use of traditional disinfectants (their vapors can be inhaled directly during use or they can contaminate food products which are subsequently ingested).

New air for your environment

✓ Less sick leave: there is a sharp increase in school and preschool absences caused by epidemics and viral infections due to poor room ventilation.

✓ The value of well-being: Big Power allows a perfect sanitization of the environment and of the air itself, thereby, becoming a valid help for people who are weak due to illness or surgery.

✓ A valuable service: Big Power guarantees a precious service to subjects suffering from respiratory diseases (asthma, rhinitis, allergies), thanks to its innovative system.

THE POWER OF STEAM

With Big Power and its steam and vacuum suction system you can take nature into your home!



The definition “green cleaning” refers to the use of cleaning procedures and products respecting the environment and designed to preserve human health and environmental quality. Eco-friendly cleaning techniques and products avoid the use of products containing toxic chemical substances, some of which emit volatile organic elements causing respiratory, skin, and health problems.

The Big Power system can be filled up only with tap water. It allows you to save money on detergents, while protecting the environment by completely avoiding the use of harmful substances. This is real green cleaning.

Science and history confirm that humid heat in the form of steam is the most reliable way to destroy all microbial life forms. Steam has two main features that make it ideal to destroy microbes: humidity and heat.



These two elements combined allow the steam heat to be transferred effectively towards an external object or those receiving heat, e.g. microbes.

This can be made in three ways: conduction, convection and/or radiation. Each of these heat transfer methods destroy microbial life according to different time and heat intensity; steam has the advantage of working simultaneously with these three methods.

The hotter is steam, the better is the heat transfer; the better is the heat transfer, the shorter is the time needed to destroy microbes.



The use of steam for cleaning has a long history of success. When steam is applied to a surface, the steam molecules, which are very small, have the ability to penetrate the numerous fissures and pores of the surface to be treated.

The added value is that the heat from the steam molecules kills the microbes while they are being removed, together with any other pathogens such as molds, fleas, mites and bugs.

Treating a surface with steam has many advantages: cleaning, sanitizing, and perfuming the environment. In addition, by consistently using steam, treated surfaces will be increasingly easier to clean in future and the presence of microorganisms will be greatly reduced.

WHAT CAN BE SANITIZED?

Full steam ahead against dirt! With Big Power many different environments can be sanitized.

DOMESTIC ENVIRONMENTS



OFFICES



KINDERGARTENS



SMALL SHOPS



DOCTORS ROOMS



VETERINARY CLINICS



BEAUTY CENTERS



BEAUTY SALONS





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