- *INDOOR HUMAN DISINFECTION SYSTEMS*
- *OUTDOOR HUMAN DISINFECTION SYSTEMS*
- *SANITATION LINES AND HYGIENE CORRIDORS*
- *VEHICLE DISINFECTION SYSTEMS*

SAGU ENGINEERING

professional disinfection solutions

ISO 9001 : 2015
ISO 14001 : 2015
OHSAS 18001

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design

In order to present special projects to our customers' needs, we offer perfect solutions that have been planned to the slightest details with our professional approach, sectoral experience, and technological infrastructure.

R & D

By closely following the developments in the field at global scale and aiming the optimum, we continue our project design and development activities for the most ergonomic, useful, and economical products. EFOTEK is developing its range of products day by day by designing new and modern products required by such sectors as Medical Facilities, Food, Hotel, and Wet Equipment.

production technology

Our goal is continuous high-quality and economic production with our technological infrastructure; factories with strong machinery and stock areas; employees who made their profession a philosophy of life; and with constant supervision and improvement at every stage of production.

quality standards

With our quality policy, we aim to keep employee and customer satisfaction at maximum level while offering the best quality products in the most economical way by ensuring constant development at every stage of production. Our brand manufactures CE certified products in accordance with HACCP requirements.

service

In order to keep customer satisfaction at the highest level regarding installation, fitting and service support, we take it as our duty to always be in contact with our customers.

SAGU ENGINEERING

Our policy and promise to always offer the best to our customers in the shortest time possible as fault-free and economical products.

As a company that focuses on customer satisfaction and whose aim is to be the leading brand in the sector with its professional solutions, technological infrastructure, vast accumulation and experience, we are aware that the indispensable step is to provide high-quality products and service. Quality is our first step which starts from the very beginning of production and continues until the last product is delivered.

We pass on quality and transparency as we move on to the next step of production and thus, each problem is detected on time. Our professional employees always act with the awareness of quality control. This system makes it possible to improve the production steps simultaneously.

While implementing our quality policy, our primary goal is to ensure the participation of employees to constant development as well as providing their own development by encouraging them. It is both our policy and promise to always offer the best to our customers in the shortest time possible as fault-free and economical products.

We offer professional solutions regarding human health such as industrial disinfection systems, vehicle disinfection systems, human disinfection systems, sanitation lines, and hygiene corridors. We are rapidly proceeding in our goal of being a recognized, sought and demanded brand both in domestic and international markets with our solutions in the fields of biosecurity, disinfection and sanitation for the facilities in need such as livestock farms, food production, and food service sectors.

Latest Technology in Biosafety Systems

Primary professional solutions to occur in mind when it comes to biosecurity systems are human disinfection systems, vehicle disinfection systems, sanitation lines and hygiene corridors. For humans, hand disinfection, shoe bottom disinfection, and cloth disinfection are applied. For vehicles, wheel disinfection, chassis disinfection, and disinfection for the entire vehicle can be applied.

Technologies used in disinfection systems have gained a more modern structure by making great progress in recent years. Disinfection systems have started to attract great interest especially in the fields of livestock and food production. In this regard, the importance attached by the increasing number of professional, visionary and conscious managers and businessmen in the mentioned sectors plays great role. Establishing biosecurity systems and taking biosecurity measures in the livestock sector have been made legally mandatory in some countries. In this context, some funding programs such as IPA Rural Development (IPARD) provide financial support as well.

Advantages of Disinfection Systems

The most important advantages of modern systems with latest technology automation and application modules can be listed as:

Eco-friendly: It provides minimum 80% saving in water and disinfectant usage.

Economical: It performs a full-automatic disinfection without requiring personnel employment and much maintenance.

Intense Penetration of Disinfectants: Penetration at molecular level is provided to the entire outer volume of the human or vehicle in the disinfection process.

The main factor in the provision of these advantages is the disinfection with pulverization (fogging) technology. The use of this technology in disinfection systems is revolutionary in the field of biosecurity.

Pulverization (Fogging) Technology

Pulverization technology was first used in disinfection systems by NASA for personnel disinfection at the entrances of the facilities where space vehicles were manufactured. This disinfection system is the first step for the protection of the astronauts from harmful bacteria during the tasks lasting for months.

What is Pulverization? How does the System Work?

Pulverization is the breakdown of water into particles at micron levels under high pressure. It appears like a cloud of fog in the environment where pulverization is implemented. The particles created in the systems using high-pressure pumps of minimum 70 Bar are so small that they do not settle but hang in the air, and disappear by evaporation depending the humidity. Its difference from low pressure systems is that smaller particles of approximately 3-5 microns are formed. By this way, access to more surface is provided by use of same amount of water and disinfectant.

SAGU ENGINEERING

INDOOR HUMAN DISINFECTION SYSTEMS

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SM50

SHOE BOTTOM DISINFECTION AND CLOTH DISINFECTION WITH FOGGING DISINFECTION SYSTEM

While people carrying microorganisms are moving from area A (Biological insecure zone) to area B (Biological safe zone), the system eliminates the harmful bacteria by disinfection and removal before they reach point B. With different module application options, our systems are modernized in order to make your living areas healthier.

For the people entering the areas that need hygienic working conditions such as food production facilities, medical campuses, and laboratories, this system is used for the disinfection of the following:

Clothes **Shoes Bottom**

Besides, a Hygiene Corridor can be created by combining with the following modules (one or more) according to needs.

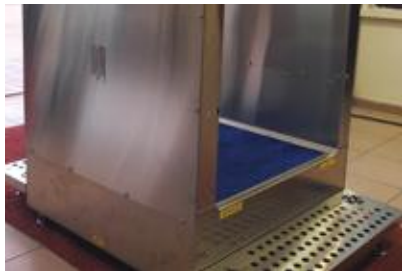
- SM10
- SM20
- SM30 veya SM40

Technical Specifications

- Width (W): 1m
- Length (L): 1m
- Height (H): 1,5m
- Voltage (V): 380V or 220V

Product Features

- It is made of stainless steel (304 Quality Cr-Ni).
- It does not contain bacteria.
- Automatic pulverization (fogging) system is available.
- It is one of the most effective methods for body (cloth) disinfection.
- It is economical since water-based disinfectant is used.
- Non-harmful disinfectant must be used.
- With fogging method, penetration is high.
- Water and disinfectant consumption is low.
- Shoe bottom is disinfected with a special disinfection mat. Disinfectant waste is prevented since the mat is sensitive to weight.
- It has a modular design.
- There is an electrical installation in accordance with IP65 class (solid and liquid protection).



Advantages of the Product

- Maximum hygiene is achieved with the disinfection of clothes and shoes at the entrances of the facilities.
- Advanced results are obtained in fighting and preventing epidemic diseases.
- Economical application is provided by easily creating ergonomically designed lines with multi-functional various modules.
- It is developed with advanced technology and provides hygiene in accordance with the required quality standards and analyzes.

Advantages of the Modular Design

- It is designed in a way to easily form a line with other modules,
- It is ergonomic and It is light.
- It is easy to disassemble. It can easily be passed through narrow places and re-mounted.

SM1050

SHOES BOTTOM, CLOTHES AND HANDS DISINFECTION WITH TURNSTILE DISINFECTION SYSTEM

While people carrying microorganisms are moving from area A (Biological insecure zone) to area B (Biological safe zone), the system eliminates the harmful bacteria by disinfection and removal before they reach point B. With different module application options, our systems are modernized in order to make your living areas healthier.

For the people entering the areas that need hygienic working conditions such as food production facilities, medical campuses, and laboratories, this system is used for the disinfection of the following:

Clothes **Shoes Bottom** **Hands**

Besides, a Hygiene Corridor can be created by combining with the following modules (one or more) according to needs.

- SM10
- SM20
- SM30 veya SM40

Technical Specifications

- Width (W): 1m
- Length (L): 2m
- Height (H): 1,5m
- Voltage (V): 380V or 220V

Product Features

- It is made of stainless steel (304 Quality Cr-Ni). It does not contain bacteria.
- Hand disinfection is applied through a double-entrance spray sensor system.
- Automatic pulverization (fogging) system is available.
- It is one of the most effective methods for body (cloth) disinfection.
- It is economical since water-based disinfectant is used.
- Shoe bottom is disinfected with a special disinfection mat. Disinfectant waste is prevented since the mat is sensitive to weight.
- A turnstile system that does not allow passing before the disinfection process is completed is available.
- Thanks to protective barriers, passing from the sides without being disinfected is not allowed.
- It has a modular design.
- There is an electrical installation in accordance with IP65 class (solid and liquid protection).

Advantages of the Product

- Maximum hygiene is achieved with the disinfection of hands, clothes and shoes at the entrances of the facilities.
- Advanced results are obtained in fighting and preventing epidemic diseases.
- Economical application is provided by easily creating ergonomically designed lines with multi-functional various modules.
- It is developed with advanced technology and provides hygiene in accordance with the required quality standards and analyzes.

Advantages of the Modular Design

- It is designed in a way to easily form a line with other modules,
- It is ergonomic and It is light.
- It is easy to disassemble. It can easily be passed through narrow places and re-mounted.

SM3050

CLOTHES DISINFECTION AND SHOES DISINFECTION WITH HORIZONTAL - VERTICAL BRUSHES

While people carrying microorganisms are moving from area A (Biological insecure zone) to area B (Biological safe zone), the system eliminates the harmful bacteria by disinfection and removal before they reach point B. With different module application options, our systems are modernized in order to make your living areas healthier.

For the people entering the areas that need hygienic working conditions such as food production facilities, medical campuses, and laboratories, this system is used for the disinfection of the following:

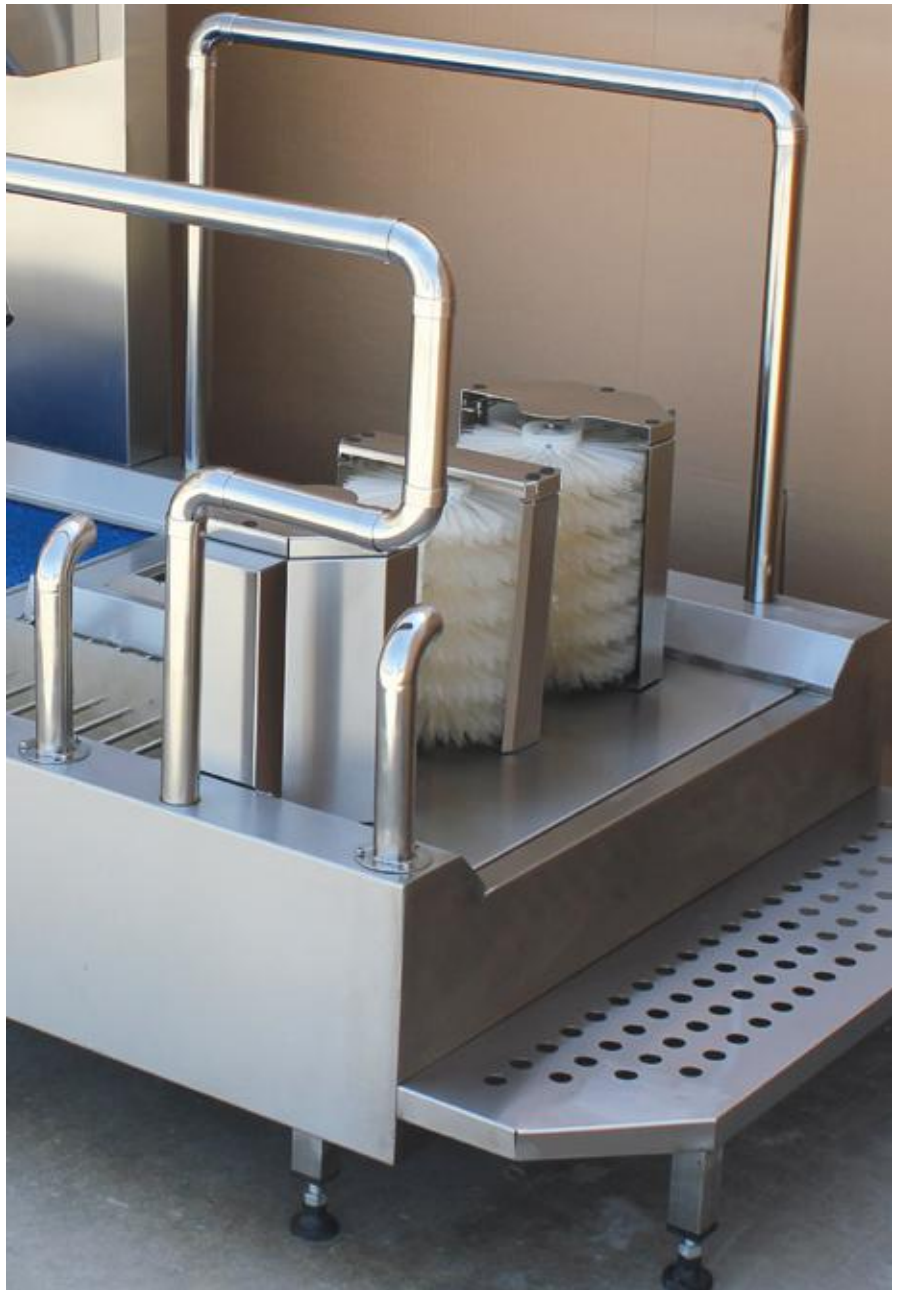
Clothes **Shoes Bottom** **Shoes Sides**

Besides, a Hygiene Corridor can be created by combining with the following modules (one or more) according to needs.

- SM10
- SM20
- SM30 veya SM40

Technical Specifications

- Width (W): 1m
- Length (L): 2m
- Height (H): 1,5m
- Voltage (V): 380V or 220V



Product Features

- It is made of stainless steel (304 Quality Cr-Ni). It does not contain bacteria.
- Automatic pulverization (fogging) system is available.
- It is one of the most effective methods for body (cloth) disinfection.
- It is economical since water-based disinfectant is used.
- Shoe bottom is disinfected with a special disinfection mat. Disinfectant waste is prevented since the mat is sensitive to weight.
- Horizontal and vertical foot cleaning brushes are available.
- Brushes automatically activate with sensors.
- Brushes are easy to remove and install.
- It has a modular design.
- There is an electrical installation in accordance with IP65 class (solid and liquid protection).

Advantages of the Product

- Maximum hygiene is achieved with the disinfection of clothes and shoes at the entrances of the facilities.
- Advanced results are obtained in fighting and preventing epidemic diseases.
- Economical application is provided by easily creating ergonomically designed lines with multi-functional various modules.
- It is developed with advanced technology and provides hygiene in accordance with the required quality standards and analyzes.

Advantages of the Modular Design

- It is designed in a way to easily form a line with other modules,
- It is ergonomic and It is light.
- It is easy to disassemble. It can easily be passed through narrow places and re-mounted.

SM4050

CLOTHES DISINFECTION AND SHOES DISINFECTION WITH HORIZONTAL BRUSHES

While people carrying microorganisms are moving from area A (Biological insecure zone) to area B (Biological safe zone), the system eliminates the harmful bacteria by disinfection and removal before they reach point B. With different module application options, our systems are modernized in order to make your living areas healthier.

For the people entering the areas that need hygienic working conditions such as food production facilities, medical campuses, and laboratories, this system is used for the disinfection of the following:

Clothes **Shoes Bottom**

Besides, a Hygiene Corridor can be created by combining with the following modules (one or more) according to needs.

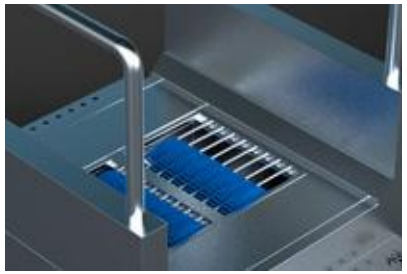
- SM10
- SM20
- SM30 veya SM40

Technical Specifications

- Width (W): 1m
- Length (L): 2m
- Height (H): 1,5m
- Voltage (V): 380V or 220V

Product Features

- It is made of stainless steel (304 Quality Cr-Ni). It does not contain bacteria.
- Automatic pulverization (fogging) system is available.
- It is one of the most effective methods for body (cloth) disinfection.
- It is economical since water-based disinfectant is used.
- Shoe bottom is disinfected with a special disinfection mat. Disinfectant waste is prevented since the mat is sensitive to weight.
- Horizontal foot cleaning brushes are available.
- Brushes automatically activate with sensors.
- Brushes are easy to remove and install.
- It has a modular design.
- There is an electrical installation in accordance with IP65 class (solid and liquid protection).



Advantages of the Product

- Maximum hygiene is achieved with the disinfection of clothes and shoes at the entrances of the facilities.
- Advanced results are obtained in fighting and preventing epidemic diseases.
- Economical application is provided by easily creating ergonomically designed lines with multi-functional various modules.
- It is developed with advanced technology and provides hygiene in accordance with the required quality standards and analyzes.

Advantages of the Modular Design

- It is designed in a way to easily form a line with other modules,
- It is ergonomic and It is light.
- It is easy to disassemble. It can easily be passed through narrow places and re-mounted.

SAGU ENGINEERING

OUTDOOR HUMAN DISINFECTION SYSTEMS

OUTDOOR HUMAN DISINFECTION SYSTEMS

OUTDOOR HUMAN DISINFECTION SYSTEMS WITH MANUEL DOOR

OUTDOOR HUMAN DISINFECTION SYSTEMS WITH TURNSTILE DOOR

SHOES DISINFECTION WITH HORIZONTAL - VERTICAL BRUSHES AND HANDS DISINFECTION WITH TURNSTILE DOOR SYSTEM

For the fogging human disinfection system, one enters the tunnel; disinfects their hands and steps on the hygiene mat; and fogging is automatically activated by weight or sensor detection when the weight is sensed on the hygiene mat.

In the fogging disinfection method, the disinfectant liquid coming through the nozzles turns into a cloud of fog and therefore, it reaches the microorganisms in all areas without wetting the person.

Depending on the disinfectant substance preferred by the companies, the persons to use the tunnel must be provided with a facemask before entering.

The fogging system does not begin without hand and foot disinfection, and one cannot quit the tunnel before the fogging process ends.

A turnstile or a collapsible barrier can be installed to the booth's exit.

In order to prevent the fogging from spreading around outdoors and to minimize the effect of outside weather conditions, an air curtain or a half door is installed at the entrance or exit of the tunnel.

Advantages of the Product

- Maximum hygiene is achieved with the disinfection of all visible surfaces of human body at the entrances of the facilities.
- Advanced results are obtained in fighting and preventing epidemic diseases.
- Economical application is provided by easily creating ergonomically designed lines with multi-functional various modules.
- It is developed with advanced technology and provides hygiene in accordance with the required quality standards and analyzes.

Technical Specifications of the Tunnel

- All body profiles and other parts that make up the tunnel are made of stainless steel.
- If the tunnel is to be installed outdoors, its outer surface is covered with stainless steel; if it is to be installed indoors, covered with UV filtered polycarbonate.
- Hand hygiene module can be installed to the right or left according to the usage area and entrance direction of the tunnel.
- In indoor systems, the booth direction changes according to the area where the installation is made.
- Non-harmful disinfectant must be used.
- With fogging method, penetration is high while water and disinfectant consumption is low.

Tunnel Dimensions

- Width (W): 1,2m
- Length (L): 2,5m
- Height (H): 2,2m

Technical Specifications

- Sufficient number of 120-degree angle pulverization nozzles with 0,20 or 0,30 mm spray diameter are mounted in the area determined for fogging.
- Rubber-coated stainless-steel clamp is used for mounting the nozzles and the installation on the tunnel.
- Stainless-steel pipe is used in the high-pressure installation required for disinfection.
- Durable high-pressure pump with ceramic piston is used.
- The dosing pump is used at convenient capacity in order to respond to disinfectant change and application needs.
- The disinfectant tank is in the closed area where the automation panel is located.

SAGU ENGINEERING

SANITATION LINES AND HYGIENE CORRIDORS

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SM10

SHOES BOTTOM DISINFECTION AND TURNSTILE HANDS DISINFECTION MODULE

While people carrying microorganisms are moving from area A (Biological insecure zone) to area B (Biological safe zone), the system eliminates the harmful bacteria by disinfection and removal before they reach point B. With different module application options, our systems are modernized in order to make your living areas healthier.

For the people entering the areas that need hygienic working conditions such as food production facilities, medical campuses, and laboratories, this system is used for the disinfection of the following:

Hands **Shoes Bottom**

Besides, a Hygiene Corridor can be created by combining with the following modules (one or more) according to needs.

- SM20
- SM30 veya SM40
- SM50

Technical Specifications

- Width (W): 1m
- Length (L): 1m
- Height (H): 1,5m
- Voltage (V): 380V or 220V

Product Features

- It is made of stainless steel (304 Quality Cr-Ni).
- It does not contain bacteria.
- Hand disinfection is applied through a double-entrance spray sensor system.
- Shoe bottom is disinfected with a special disinfection mat. Disinfectant waste is prevented since the mat is sensitive to weight.
- A turnstile system that does not allow passing before the disinfection process is completed is available.
- Thanks to protective barriers, passing from the sides without being disinfected is not allowed.
- It has a modular design.
- There is an electrical installation in accordance with IP65 class (solid and liquid protection).

Advantages of the Product

- Maximum hygiene is achieved with the disinfection of hands and shoes at the entrances of the facilities.
- Advanced results are obtained in fighting and preventing epidemic diseases.
- Economical application is provided by easily creating ergonomically designed lines with multi-functional various modules.
- It is developed with advanced technology and provides hygiene in accordance with the required quality standards and analyzes.

Advantages of the Modular Design

- It is designed in a way to easily form a line with other modules,
- It is ergonomic and It is light.
- It is easy to disassemble. It can easily be passed through narrow places and re-mounted.

SM20

SHOES BOTTOM DISINFECTION AND MANUEL HAND WASHING / DRYING MODULE

While people carrying microorganisms are moving from area A (Biological insecure zone) to area B (Biological safe zone), the system eliminates the harmful bacteria by disinfection and removal before they reach point B. With different module application options, our systems are modernized in order to make your living areas healthier.

For the people entering the areas that need hygienic working conditions such as food production facilities, medical campuses, and laboratories, this system is used for the disinfection of the following:

Hands **Shoes Bottom**

Besides, a Hygiene Corridor can be created by combining with the following modules (one or more) according to needs.

- SM10
- SM30 veya SM40
- SM50

Technical Specifications

- Width (W): 1m
- Length (L): 1m
- Height (H): 1,5m
- Voltage (V): 220V

Product Features

- It is made of stainless steel (304 Quality Cr-Ni).
- It does not contain bacteria.
- Hand washing sink is available.
- Sensor tap is available.
- Photocell or manual soap dispenser is available.
- Z Folded paper towel dispenser is available.
- Trash bin is available.
- Shoe bottom disinfection mat or metal door mat is available.
- Thanks to protective barriers, passing from the sides without being disinfected is not allowed.
- It has a modular design.
- There is an electrical installation in accordance with IP65 class (solid and liquid protection).

Advantages of the Product

- Maximum hygiene is achieved with the disinfection of hands and shoes at the entrances of the facilities.
- Advanced results are obtained in fighting and preventing epidemic diseases.
- Economical application is provided by easily creating ergonomically designed lines with multi-functional various modules.
- It is developed with advanced technology and provides hygiene in accordance with the required quality standards and analyzes.

Advantages of the Modular Design

- It is designed in a way to easily form a line with other modules,
- It is ergonomic and It is light.
- It is easy to disassemble. It can easily be passed through narrow places and re-mounted.

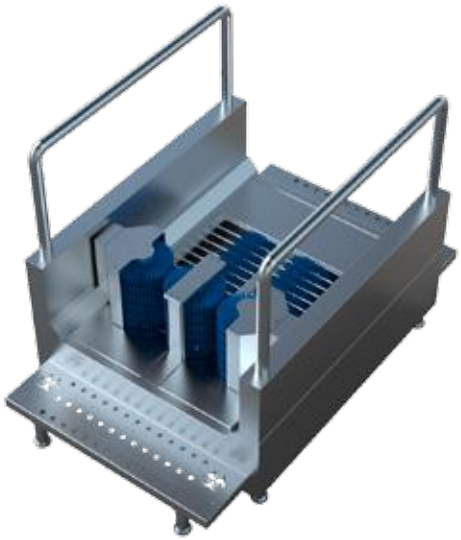
SM30

SHOES BOTTOM AND SIDES DISINFECTION WITH HORIZONTAL AND VERTICAL BRUSHES MODULE

While people carrying microorganisms are moving from area A (Biological insecure zone) to area B (Biological safe zone), the system eliminates the harmful bacteria by disinfection and removal before they reach point B. With different module application options, our systems are modernized in order to make your living areas healthier.

For the people entering the areas that need hygienic working conditions such as food production facilities, medical campuses, and laboratories, this system is used for the disinfection of the following:

Shoes Bottom **Shoes Sides**



Besides, a Hygiene Corridor can be created by combining with the following modules (one or more) according to needs.

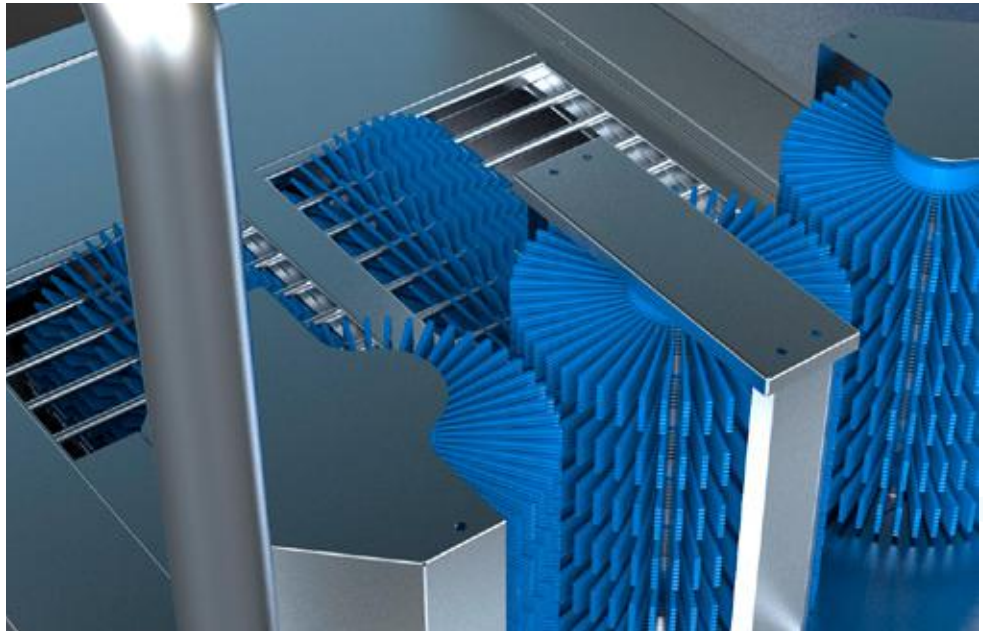
- SM10
- SM20
- SM50

Technical Specifications

- Width (W): 1m
- Length (L): 1m
- Height (H): 1,2m
- Voltage (V): 380V or 220V

Product Features

- It is made of stainless steel (304 Quality Cr-Ni).
- It does not contain bacteria.
- Horizontal and vertical foot cleaning brushes are available.
- Brushes automatically activate with sensors.
- Brushes are easy to remove and install.
- Thanks to protective barriers, passing from the sides without being disinfected is not allowed.
- It has a modular design.
- There is an electrical installation in accordance with IP65 class (solid and liquid protection).



Advantages of the Product

- Maximum hygiene is achieved with the disinfection of shoes at the entrances of the facilities.
- Advanced results are obtained in fighting and preventing epidemic diseases.
- Economical application is provided by easily creating ergonomically designed lines with multi-functional various modules.
- It is developed with advanced technology and provides hygiene in accordance with the required quality standards and analyzes.

Advantages of the Modular Design

- It is designed in a way to easily form a line with other modules,
- It is ergonomic and It is light.
- It is easy to disassemble. It can easily be passed through narrow places and re-mounted.

SM40

SHOES BOTTOM DISINFECTION WITH HORIZONTAL BRUSHES MODULE

While people carrying microorganisms are moving from area A (Biological insecure zone) to area B (Biological safe zone), the system eliminates the harmful bacteria by disinfection and removal before they reach point B. With different module application options, our systems are modernized in order to make your living areas healthier.

For the people entering the areas that need hygienic working conditions such as food production facilities, medical campuses, and laboratories, this system is used for the disinfection of the following:

Shoes Bottom

Besides, a Hygiene Corridor can be created by combining with the following modules (one or more) according to needs.

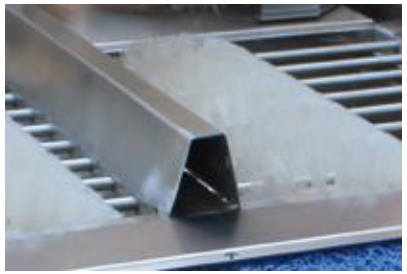
- SM10
- SM20
- SM50

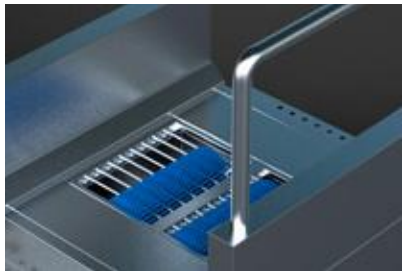
Technical Specifications

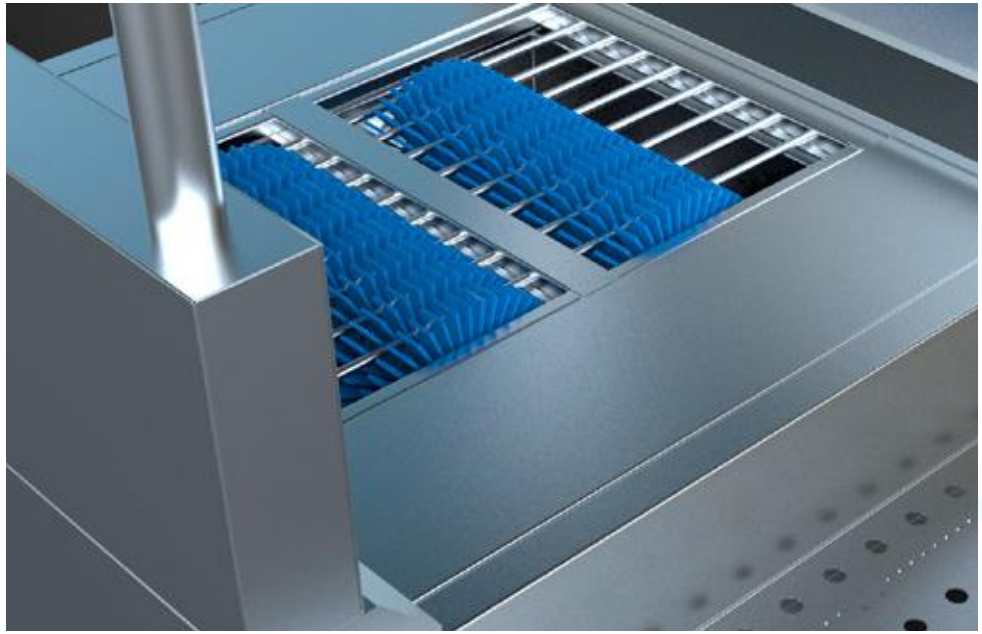
- Width (W): 1m
- Length (L): 1m
- Height (H): 1,2m
- Voltage (V): 380V or 220V

Product Features

- It is made of stainless steel (304 Quality Cr-Ni).
- It does not contain bacteria.
- Horizontal and vertical foot cleaning brushes are available.
- Brushes automatically activate with sensors.
- Brushes are easy to remove and install.
- Thanks to protective barriers, passing from the sides without being disinfected is not allowed.
- It has a modular design.
- There is an electrical installation in accordance with IP65 class (solid and liquid protection).







Advantages of the Product

- Maximum hygiene is achieved with the disinfection of shoes at the entrances of the facilities.
- Advanced results are obtained in fighting and preventing epidemic diseases.
- Economical application is provided by easily creating ergonomically designed lines with multi-functional various modules.
- It is developed with advanced technology and provides hygiene in accordance with the required quality standards and analyzes.

Advantages of the Modular Design

- It is designed in a way to easily form a line with other modules,
- It is ergonomic and It is light.
- It is easy to disassemble. It can easily be passed through narrow places and re-mounted.

HB1020

SHOES BOTTOM, TURNSTILE HANDS DISINFECTION AND MANUEL HAND WASHING / DRYING MODULE

While people carrying microorganisms are moving from area A (Biological insecure zone) to area B (Biological safe zone), the system eliminates the harmful bacteria by disinfection and removal before they reach point B. With different module application options, our systems are modernized in order to make your living areas healthier.

For the people entering the areas that need hygienic working conditions such as food production facilities, medical campuses, and laboratories, this system is used for the disinfection of the following:

Hands **Shoes Bottom**

Besides, a Hygiene Corridor can be created by combining with the following modules (one or more) according to needs.

- SM30
- SM40
- SM50

Technical Specifications

- Width (W): 1m
- Length (L): 2m
- Height (H): 1,7m
- Voltage (V): 380V veya 220V

Product Features

- It is made of stainless steel (304 Quality Cr-Ni). It does not contain bacteria.
- Hand disinfection is applied through a double-entrance spray sensor system.
- Shoe bottom is disinfected with a special disinfection mat. Disinfectant waste is prevented since the mat is sensitive to weight.
- A turnstile system that does not allow passing before the disinfection process is completed is available.
- Hand washing sink and sensor tap are available.
- Photocell or manual soap dispenser is available.
- Z Folded paper towel dispenser and trash bin are available.
- Thanks to protective barriers, passing from the sides without being disinfected is not allowed.
- There is an electrical installation in accordance with IP65 class (solid and liquid protection).

Advantages of the Product

- Maximum hygiene is achieved with the disinfection of hands and shoes at the entrances of the facilities.
- Advanced results are obtained in fighting and preventing epidemic diseases.
- Economical application is provided by easily creating ergonomically designed lines with multi-functional various modules.
- It is developed with advanced technology and provides hygiene in accordance with the required quality standards and analyzes.

Advantages of the Modular Design

- It is designed in a way to easily form a line with other modules,
- It is ergonomic and It is light.
- It is easy to disassemble. It can easily be passed through narrow places and re-mounted.

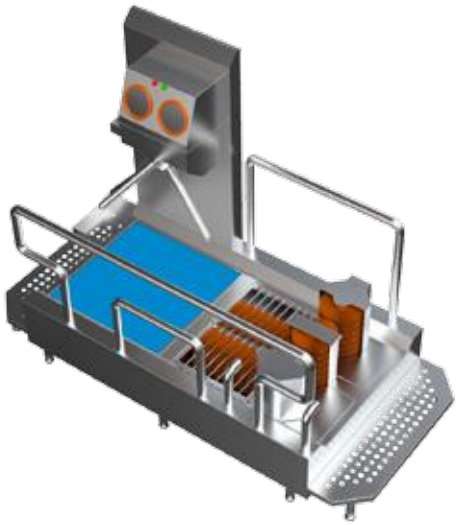
HB1030

TURNSTILE HANDS DISINFECTION AND SHOES DISINFECTION WITH HORIZONTAL / VERTICAL BRUSHES MODULE

While people carrying microorganisms are moving from area A (Biological insecure zone) to area B (Biological safe zone), the system eliminates the harmful bacteria by disinfection and removal before they reach point B. With different module application options, our systems are modernized in order to make your living areas healthier.

For the people entering the areas that need hygienic working conditions such as food production facilities, medical campuses, and laboratories, this system is used for the disinfection of the following:

Hands **Shoes Bottom** **Shoes Sides**



Besides, a Hygiene Corridor can be created by combining with the following modules (one or more) according to needs.

- SM20
- SM50

Technical Specifications

- Width (W): 1m
- Length (L): 2m
- Height (H): 1,7m
- Voltage (V): 380V or 220V

Product Features

- It is made of stainless steel (304 Quality Cr-Ni). It does not contain bacteria.
- Hand disinfection is applied through a double-entrance spray sensor system.
- Shoe bottom is disinfected with a special disinfection mat. Disinfectant waste is prevented since the mat is sensitive to weight.
- Horizontal and vertical foot cleaning brushes are available.
- Brushes automatically activate with sensors.
- Brushes are easy to remove and install.
- A turnstile system that does not allow passing before the disinfection process is completed is available.
- Thanks to protective barriers, passing from the sides without being disinfected is not allowed.
- It has a modular design.
- There is an electrical installation in accordance with IP65 class (solid and liquid protection).

Advantages of the Product

- Maximum hygiene is achieved with the disinfection of hands and shoes at the entrances of the facilities.
- Advanced results are obtained in fighting and preventing epidemic diseases.
- Economical application is provided by easily creating ergonomically designed lines with multi-functional various modules.
- It is developed with advanced technology and provides hygiene in accordance with the required quality standards and analyzes.

Advantages of the Modular Design

- It is designed in a way to easily form a line with other modules,
- It is ergonomic and It is light.
- It is easy to disassemble. It can easily be passed through narrow places and re-mounted.


aynes
MAN

SAGU ENGINEERING

VEHICLE DISINFECTION SYSTEMS

NON-DOOR VEHICLE DISINFECTION SYSTEMS

AUTOMATIC DOOR VEHICLE DISINFECTION SYSTEMS

VEHICLE DISINFECTION SYSTEMS WITH OUTDOOR HUMAN DISINFECTION SYSTEMS

The Vehicle Disinfection System developed by SAGU Engineering provides maximum hygiene at the entrances to all areas where vehicle need to enter disinfected.

Vehicle Disinfection System with Fogging Method

Disinfection process is carried out by the contact of the disinfectant liquid, which is broken down to particles of up to 5 microns through the nozzles installed in the tunnel, with all visible surfaces of the vehicle by fogging method. Thus, healthy and hygienic disinfection at maximum level is ensured at low cost by using minimum amount of material.

Thanks to the automatic vehicle disinfection system, unnecessary personnel employment is prevented; the health of employees and animals are protected; and a proper, efficient and economical disinfection process is carried out.

Application Specifications

• Disinfection process is carried out by reach of all visible surfaces of the vehicle while it passes through the tunnel.

• Disinfectant molecules reach intensely to each point as it is applied by fogging method.

• Water-based disinfectant is automatically applied during disinfection process.

• Thanks to the fogging method, neither the vehicle nor the tunnel ground gets wet.

• Disinfectant penetrates under the vehicle, its roof, front, behind, and side surfaces as well as the wheels.

• The vehicle smoothly proceeds in the tunnel thanks to the barrier and such cases as crash are prevented.

• Drivers are guided via warning lamps and signs.

• Operation personnel is not required since it is a full-automatic system and thus, human-driven faults are prevented.

• In the automatic door system, the front door cannot be opened until the disinfection process is finished. This system is especially advantageous in regions with heavy winter conditions, windy and high air circulation.

• In the system integrated with the Outdoor Human Disinfection System, when the vehicle enters the tunnel, the front door closes, the vehicle driver gets out of the vehicle and enters the Outdoor Human Disinfection System cabin from the side door. When the disinfection process starts here, the disinfection process also starts in the vehicle tunnel. When the disinfection of the vehicle driver and vehicle is finished, the tunnel door opens, the driver takes the vehicle and leaves the tunnel. This system is generally preferred in large farms.

Features of the System

On the automation control panel, there is a PLC control system and touch screen for setting disinfection operating time and automation control; a digital temperature control device for checking the temperature in the booth; and a digital temperature control device for checking the outside temperature.

If the limit temperature preset for winter conditions is exceeded when checked by digital temperature control device, the system automatically activates the radiant heater installed in the automation booth. This process periodically continues until the temperature inside the booth rises above the limit temperature.

In order to prevent the spraying system from freezing and keep the system functioning during winter months, if the outdoor temperature falls below the determined limit temperature, the temperature control device which controls the outside temperature takes the system under protection after a certain period of time without disinfection process.

The protection process begins when the system automatically switches to antifreeze state.

After the system automatically switches to antifreeze state, it fills the whole outer installation with antifreeze similar to the disinfection process. Since the system automatically activates, the risk of freeze arising from the initiative of operators is eliminated.

If one wants to start the disinfection when the system is in antifreeze state, it is enough to repeat the normal process which is made by pressing the start button. After pressing the start button, the system automatically switches to disinfection position and starts the disinfection process. Therefore, the operator does not need to take any action as the system functions automatically.

The water, disinfectant and antifreeze amount is always controlled with the aid of control devices of the system. If any of them runs out, the system automatically switches to warning state and does not carry out disinfection. Thus, damage to the mechanical parts of the system (pump, motor, etc.) is automatically prevented.

Efotek Tire and Bottom Washing System cleans your vehicle's hardest places to clean in minutes.
You save both time and money.

Prevention of Freezing of the Installation in Tough Weather Conditions

Thanks to the anti-freeze system available as standard equipment in all models, anti-freeze is automatically supplied to the installation at certain degrees and taken back to the tank. Thus, both saving is made and damage to the system due to forgetfulness or mistakes caused by manpower is prevented.

Economical Use of Antifreeze and Disinfectant

Cycling system is installed for antifreeze and disinfectant in order to ensure saving from consumables. It is provided by recycling 80% of antifreeze and water-based disinfectant to the relevant tank. Besides, antifreeze system automatically activates and deactivates depending on temperature and time.

Increasing the Operating Performance of the System

Human-driven faults and malfunction is prevented thanks to the multifaceted design of system's automation. It is set up for all conditions and situations to arise, and is ready to automatically activate. The performance desired by the customer is provided by PLC system-integrated automation.

Quality of the Components Used in Automation

All electrical materials and power systems used for system automation are selected from the highest quality brands. It allows the user to use the system without any problems for years.

Robustness and Durability of the Tunnel

It is designed in such a way to prevent the profiles and sheets from bending or shaking due to external factors. During Ansys-Static Structural analysis, it is observed that the system is resistant to a minimum of 110 km wind. Toppling, breaking, and collapsing are prevented by use of reinforced profile and sheet material.

User's Security Measures

The whole electrical-electronical system running the command and control operations (valves, switches, floater, warning lamps, buttons, etc.) is manufactured using 24V-powered materials in order to provide user's security and eliminate the risk of getting electric shock. (Therefore, the system does not pose any danger to human health.

Reliable Disinfection

Thanks to the fogging method, disinfection is applied to the remotest corners of the vehicle. A truck can be disinfected in only 30 seconds by use of only 15 liters of disinfectant liquid. A lamp-sensor-barrier (or automatic PVC door) is used in order to guide the driver.

Easy Installation

Installation of the system is extremely easy and fast since the system is produced in modules and only installation of the modules is made at the site.

Warranty-Maintenance-Technical Service

The system is under a two-year guarantee except for user errors and ten-year spare parts guarantee is provided. When the maintenance time comes, the user is informed by the audiovisual maintenance warning on the touch screen on the system panel.

Minimum time, maximum disinfection

A truck can be disinfected in only 30 seconds by use of only 15 liters of disinfected liquid with SAGU Engineering Vehicle Disinfection Systems.

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SAGU ENGINEERING

CE - Disinfection Systems

Certificate – Сертификат – 證明書 – Certificat – 증명서 – شهادة

Certificate of Compliance

No. 25180221.EEU0C70

Certificate's Holder: SAGU Mühendislik Endüstriyel Hizmetler San. ve Tic. A.Ş
1.Organize Sanayi Bölgesi ASO Bulvarı No:1
Sincan / Ankara / TURKEY

Certification ECM Mark: Type Approved

Product: Disinfection System
Brand Name: Efotek

Verification to: Standard: EN 60335-1:2012/AC:2014
related to CE Directive(s): 2014/35/EU (Low Voltage)

Remark: The product(s) has been verified on a voluntary basis. The product(s) satisfies the requirements of the Certification Mark of ECM, in reference to the above listed Standard(s). The above Compliance Mark can be affixed on the product(s) accordingly to the ECM regulation about its release and its use. The regulation can be found at www.entecerma.it. This Certificate of Compliance can be checked for validity at www.entecerma.it
This verification doesn't imply assessment of the production of the product(s).

Additional information, clarification about the CE Marking:
We attest that a TCF for the CE Marking process is in place. Whereas the Manufacturer is Responsible to start the CE Marking Certification Procedure and to perform all the necessary activities, as required by the Directive before placing the CE Mark on the product(s).

Date of issue 21 February 2018 — Expiry date 20 February 2023

Chief Manager Matteo Montesi — Deputy Manager Amanda Payne

Ente Certificazione Macchine Srl
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☎ +39 051 6705141 🖷 +39 051 6705156 info@entecerma.it www.entecerma.it

CE - Sanitation Systems

Certificate – Сертификат – 證明書 – Certificat – 증명서 – شهادة

Certificate of Compliance

No. 25180221.EEU0C71

Certificate's Holder: SAGU Mühendislik Endüstriyel Hizmetler San. ve Tic. A.Ş
1.Organize Sanayi Bölgesi ASO Bulvarı No:1 Sincan /
Ankara / TURKEY

Certification ECM Mark: Type Approved

Product: Sanitation System
Brand Name: Efotek

Verification to: Standard: EN 60335-1:2012/AC:2014
related to CE Directive(s): 2014/35/EU (Low Voltage)

Remark: The product(s) has been verified on a voluntary basis. The product(s) satisfies the requirements of the Certification Mark of ECM, in reference to the above listed Standard(s). The above Compliance Mark can be affixed on the product(s) accordingly to the ECM regulation about its release and its use. The regulation can be found at www.entecerma.it. This Certificate of Compliance can be checked for validity at www.entecerma.it
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OHSAS 18001

Technical Universal Verification

CERTIFICATE

Bu İş Sağlığı ve Güvenliği Yönetim Sistem Sertifikası:

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İLE ÇELİK KONSTRÜKSİYON VE TALAŞLI İMALAT İŞLERİ

Sertifika No : 6009 — Yeniden Basım Tarihi : -
Denetim Tarihi : 28.02.2020 — Geçerlilik Tarihi : 05.03.2021
Tescil Tarihi : 06.03.2020

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İLE ÇELİK KONSTRÜKSİYON VE TALAŞLI İMALAT İŞLERİ

Sertifika No : 2014 — Yeniden Basım Tarihi : -
Denetim Tarihi : 28.02.2020 — Geçerlilik Tarihi : 05.03.2021
Tescil Tarihi : 06.03.2020

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As a company that focuses on customer satisfaction and whose aim is to be the leading brand in the sector with its professional solutions, technological infrastructure, vast accumulation and experience, we are aware that the indispensable step is to provide high-quality products and service.

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ISO 9001 : 2015
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