



USE AND MAINTENANCE MANUAL

SWEEPCART®

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USE AND MAINTENANC MANUAL - SWEEPCART®by

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ATTACHMENTS

- A) Mechanical diagrams and spare parts list
- B) Wiring diagram and spare parts list
- C) Technical data and instructions for use and maintenance of the single components installed

Note the photos and illustrations possibly included in these instructions provide a purely indicative view of the elements that could be installed, any aesthetic or appearance differences with respect to the product delivered do not alter the functional characteristics.

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Dear Valued Customer,

Thank you for choosing our product, SweepCart®.

The quality of our product will fully repay your trust, as it is able to guarantee safety, hygiene, tranquility, durability and effectiveness.

With Sweepcart you will finally be able to properly sanitise shopping carts, shopping baskets, luggage trolleys, other equipment and objects, thus also gaining a significant image of special care towards your customers.

SANITIZE means to make safe, in terms of hygiene, by eliminating or making inactive bacteria, fungi and viruses.

Our machine, the innovation of our product, allows you to obtain an excellent result, avoiding the use of hazardous or toxic substances, with no waste and with an optimal attention and focus to the environment and people.

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CE Declaration of Conformity

in accordance with the Low Voltage Directive 2014/35 / EU and the Electromagnetic Compatibility Directive 2014/30 / EU, the company WIPPYIDEA S.R.L. with headquarters in Piazza Plebiscito, 6/1 - 33070 Polcenigo (PN) Italy declares under its own responsibility that the machine

SWEEP CART Model 2020-01PP

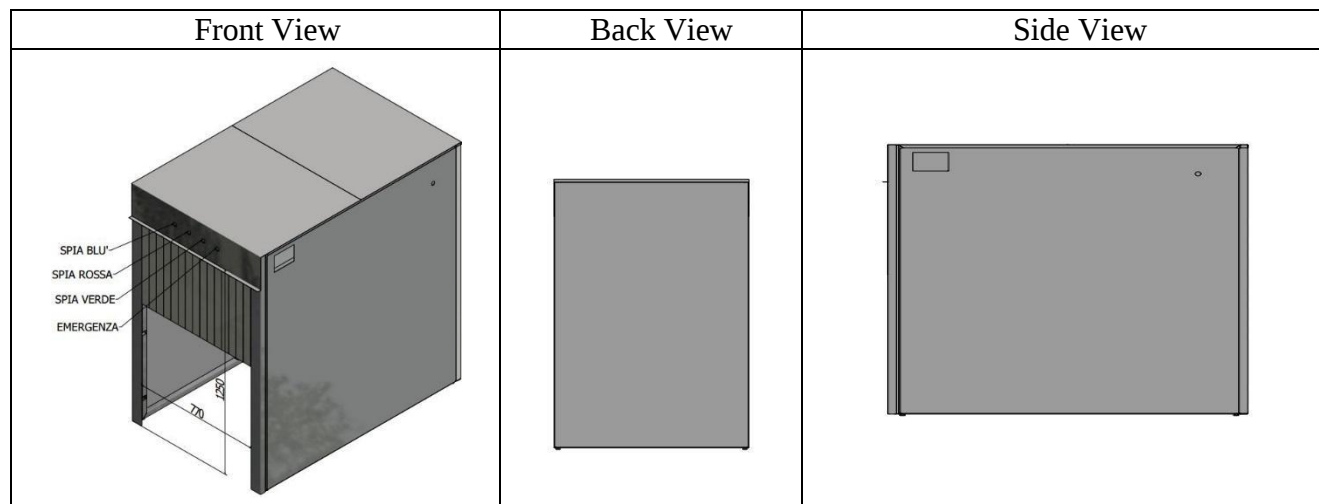
whose functions are described in this manual, complies with the essential safety and health protection requirements of the Directives: Low Voltage Directive 2006/95 / CE and Electromagnetic Compatibility Directive 2004/108 / CE. The following Harmonized Standards have been consulted to verify the Conformity referred to in the aforementioned Directives:

2014/35/UE – Low Voltage Directive (LVD)
2014/30/UE – Electromagnetic Compatibility Directive
2015/863/UE – Directive amending the Directive RoHS
2011/65/CE – Directive RoHS
2012/19/CE – Directive RAEE
2009/125/CE – EcoDesign Directive

Polcenigo, May 02/2020

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TECHNICAL DATA AND MAIN COMPONENTS



Model: 2020-01PP...

Serial number:

Power Supply: 230 V – 50 Hz Monophase.

Maximum absorbed power: 250 Watt

Weight: 120 kg ca.

Degree of electrical protection: IP 40.

Power cable: civilian type Schuko plug with cable length 3 meters

Overall dimension:

Base mm. 900

Height mm. 1350

Depth mm. 1450

Entrance door trolley dimensions (clear opening):

Base mm. 770

Height mm. 1250

Control circuit power supply: 12-24 Volt DC

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GENERAL DATA

It is important that this manual is always kept clean and intact in all its parts and well-kept for each future reference.

It is an integral part of the machine itself and, consequently, if this should be transferred to another user, it will be necessary to ensure that the manual is supplied together with it.

This is to allow the new user to be informed about the operation of the machine and relevant warnings.

The machine must only be used to perform the operations for which it was designed and built, that is, to sanitize shopping trolleys, shopping baskets, luggage trolleys, equipment and other items. Therefore, use other than that described in this manual is to be considered improper and therefore prohibited.

The use of the machine must be entrusted to persons of legal age, self-sufficient who are able to use it correctly.

the Manufacturer is not liable for accidents caused by negligence, from the improper and incorrect use of the machine.

Keep the machine out of the reach of children.

WARNINGS

Each machine is supplied with a copy of this manual. The instructions contained therein have been prepared for your safety and that of others.

We therefore recommend that you read them thoroughly before using the machine and carefully follow the instructions.

Before connecting the machine to the mains, it will be necessary to check that:

- The main power supply voltage corresponds to that indicated on the identification plate located on the rear of the machine;
- The network power system is equipped with effective grounding and that the power outlet has a minimum capacity of 10A;
- Check that the main machine switch is turned off;
- Check that the power supply cable of the machine is intact and not damaged;
- Make sure your hands are not wet;
- With the connection of the power plug to the main, the machine is immediately live and to make it operational it will be necessary to turn up the main switch located on the side of the machine.
- It is absolutely forbidden to open the machine and alter or otherwise modify its technical characteristics.
- Do not use the machine if the power cable or other important parts of the appliance are damaged.
- During the sanitization process the machine has to be guarded.
- The machine is suitable only for the sanitization of shopping trolleys, shopping baskets, luggage trolleys, other equipment and objects. Any other use is improper and forbidden.
- Do not submit the machine to jets of water, steam or other liquids, as they could damage it and expose you to the danger of electric shock.
- Do not pull the electric cable to disconnect it from the power outlet but pull the plug with your hands, making sure they are not wet.
- Do not tow or push the machine.
- It is absolutely forbidden as well as dangerous to leave the machine in places exposed to bad weather
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PACKAGING and UNPACKING

SWEEP CART is supplied and delivered completely assembled:

Packaging made with wooden pallet, covered and protected by heat shrink plastic wrap.

Two ties, strapped on the long side and one on the short side to secure the machine to the pallet.

To remove the machine, proceed as follows:

Cut the tyings, remove the protection plastic film wrap.

Lift the machine from the pallet and place it on the ground.

Place the machine in the work area.

Dispose of the packaging according to the regulations in place.

TRANSPORT AND INTERNAL HANDLING

Transport must be carried out by qualified personnel with suitable means.

The machine, even if packed, must be transported so as to avoid any damage to its parts.

The lifting of the machine must be carried out using forklifts suitable for the type of pallet.

For internal handling, precautions as described above must be used.

To facilitate the positioning of the machine in the work area, with manual pallet trucks, the machine is provided with special gripping bars that facilitate handling.

Once the machine is positioned, the bars must be removed.

INSTALLATION

SWEEP CART does not need any particular installation operations.

The machine is ready for use, simply connect it to a power source by connecting it directly to a power outlet compliant with current safety standards.

It is the responsibility of the user to connect the machine to a compliant power supply system, with an effective and verified grounding system, both with certification of conformity.

The machine must be connected directly to the power supply socket without the use of extension cables or adapters.

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EQUIPMENT

The machine is complete with the electrical parts as listed in the Attachment B, as follows:

Control panel, with opening door on the side of the machine, containing:

Main switch for machine ignition type 6A bipolar differential with differential protection Idn 0.03 A breaking capacity 6 KA

Programmable device for managing the machine cycle with 8 inputs and 4 outputs.

On the machine front there are:

Red emergency button

Green indicator light or strip (machine ready for new cycle)

Red indicator light or strip (machine busy)

Blue indicator light or strip (machine sanitization cycle in progress)

White button (manual start of sanitation cycle)

Inside the machine in a special hidden compartment, the following parts are housed:

24 Volt DC control circuit power supply

Lamp switch power remote control

N ° 5 reactors to power the UV lamps 40 watts 230 Volt.

Wiring carried out with conductors and cables placed in PVC containment channels.

Inside the sanitizing compartment, on the top (ceiling) the following components are installed:

N ° 5 Actinic lamps BL TL40W/10 1SL/25 (TLD4010) with G13 attachment and fall protection gear.

Detection sensor for trolley presence

Safety sensor to detect man / child presence.

N°1 fan for handling inside the machine bacterial and viral mass.



	1 White button (manual start of sanitation cycle)
	2 Blue indicator light or strip (the sanitizing cycle is in progress)
	3 Red indicator light or strip (machine busy)
	4 Green indicator light or strip (machine ready for new cycle)
	5 Emergency button

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FUNCTIONING AND USE

Intended Use

The machine is designed and built to be used by ordinary persons (customers) and is intended only for the sanitization of shopping carts and baskets, luggage trolleys other equipment. With the introduction of the trolley in the proper compartment, the sanitizing cycle starts automatically. The operations to be performed are described below and must be performed in the presence of the operator (customer).

Mode of Use:

- 1 Make sure that the processing compartment is empty
- 2 Green light ON (machine ready)
- 3 Insert the trolley completely up, beyond the curtain.
- 4 Red light ON (the compartments is busy, shopping cart is inside)
- 5 The sanitizing cycle starts automatically (blue light ON)
- 6 Duration of sanitation cycle 15 seconds
- 7 End of cycle: flashing green light
- 8 Collect the cart
- 9 Green light steady ON: Machine ready for new cycle.

BREAKDOWN OR EMERGENCY

In the event of evident anomalies such as **the presence of smoke, a fire or broken lamps**, immediately press **the Emergency button on the front of the machine, disconnect the machine from the power supply** and call the staff and / or contact the service center.

MAINTENANCE

SWEEPCART® needs only simple maintenance work.

Suggested INTERVENTIONS:

- Periodically check the operation of the lamps (Every 3 months)
- Periodically check the operation of the differential switch by pressing the appropriate test button (Every 3 months)
- Replace the lamps at the end of their life cycle after 5000 operating hours (Every 5 years approx..)
- To replace the bulbs, contact the electrician maintenance staff
- Periodic cleaning of the machine: before carrying out this intervention, it is mandatory to disconnect the machine from the power supply. Clean it with a soft cloth, with gentle cleanser, then rinse and dry.
- Inactivity: in case of a long inactivity the machine must be placed in safety, by disconnecting the power supply. Storage must be appropriate for the place and times of storage:
- Store the machine in a closed and dry area.
- Protect it from shocks and stress.
- Protect it from humidity and high temperature changes.
- Avoid any contact with corrosive substances

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DISMANTLING AND DISPOSAL OF MATERIALS

The correct disposal of outdated equipment contributes to preventing possible negative impacts for human health and the environment.

The components of the machine that must undergo a differentiated disposal are:

- Stainless steel
- Iron
- Copper
- Aluminum
- Rubber
- Plastic
- Electrical and electronic WEEE components

The disposal of the aforementioned materials must be carried out in compliance with the legal provisions in force in each Country.

RESIDUAL RISKS

Being an electrical appliance, the potential risks are the following: electrocution.

- Possibility of contact with lamps, live parts, with limited risk of lightning because the poles are completely protected and isolated.
- Possible failures in case of contact or electric discharge towards the metal structure. The occurrence of this event is very low as the whole structure is connected to the equipotential earth conductor. Moreover, the system is equipped with a differential switch, with an intervention threshold of 30 mA. which, upon exceeding the same, interrupts power to the apparatus.

DANGEROUS ZONES

The "dangerous zones" of the machine include the areas where the lamps and the relative electrical contacts are installed; the lamps are positioned on the ceiling inside the trolley introduction compartment box.

The associated risk is: injuries due to their fragility (glass material) electrocution due to live parts.

The machine is completely made of metal, resistant to the impact of the trolleys and is equipped with movable guards on the front (striped curtain in PVC plastic material)