

Clemas & Co Ltd

Industrial Cleaning Equipment
Sales - Hire - Service

IPC SG-10 STEAM CLEANER OPERATOR MANUAL



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IPC

SG-10

Mod. S 5007 M – S6008 M



MANUALE ISTRUZIONI
INSTRUCTION MANUAL
BETRIEBSANLEITUNG
MANUAL DE INSTRUCCIONES

Attenzione: Per l'uso dell'apparecchio, si consiglia di aver letto e compreso il contenuto di questo manuale.

Attention: in order to use this machine, it is advisable to have read and understood the content of this manual.

EAC CE



SG-10

Mod. S 5007 M – S 6008 M

OPERATING INSTRUCTION MANUAL

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INTRODUCTION



This manual is an integral part of the appliance and it contains all the necessary information for its operation and maintenance. The user must read it carefully before starting the appliance.

ORIGINAL INSTRUCTION

The text was scrupulously revised, however, any eventual printing mistake should be indicated to the manufacturer. Moreover, in order to improve the product we reserve the right to modify and update this publication without notice. Any reproduction of this manual, even partial, is forbidden without the authorization of the manufacturer.

INTENDED USE

Professional steam generator cleaner:

The functions provided for this appliance are exclusively the cleaning of floor and washable surfaces compatible with steam, textiles included; (not to be used on electrified parts). Any other use other than that, it is to be considered unauthorized and dangerous.

IDENTIFICATION AND TECHNICAL DATA

On the label attached on the back of the machine, you can find the technical specification shown in the chart below:

Model: SG-10	S 5007	S 6008
Electric power supply	230 V - 50 Hz	
Max power	2,25KW	3,25KW
Steam pressure	500 kPa (5 bar)	600kPa (6 bar)
Steam production	60÷70 g/min.	65÷80 g/min.
Boiler capacity	1.8l	
Heating time	4 min.	3 min.
Acceptable pressure	700 kPa (7 bar)	
Boiler max power	2200 W	3200W
Boiler material	inox Aisi 304	
Steam max temperature	160° C	165°C
Weight	4.2 kg	4.5Kg
Dimensions LxPxH	350x460x310	350x460x330
Tolerated water conductivity values	80÷1500uS/cm	
Appliance of class	I	

SAFETY DEVICES OF THE PRODUCT:

Ceramic thermostat 175 ° C "to restore manually" (frontal to the boiler, it begins to work in the event of excessive temperature)

"One Shot" ceramic thermostat 185 ° (placed inside the boiler, it begins to work in case of excessive temperature or pressure)

Safety valve 700 kPa (7 bar), (it allows the discharge of the steam in excess in case of anomalous condition of the machine under pressure).

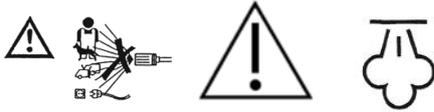
Low voltage in the handle (safety voltage used for connection to the inside of the hose).

USED SYMBOLS

	GENERAL DANGER: when used, this symbol indicates the need to carefully pay attention to the functions or notes described
	MAINTENANCE: operations and maintenance details
	STEAM : attention hot steam jets
	HOT SURFACES: attention burns
	DECOMMISSIONING: rules to be followed at the end of the product life
	DO NOT DIRECT THE JET towards persons, animals, electrical equipment under pressure or the machine itself

SAFEGUARDS RULES

- The Electric power connection must be made by a qualified electrician and must conform to IEC 60364-1. It is recommended that the electric supply to this machine should include a residual current device that interrupts the power supply if the leakage current to ground exceeds 30 mA for 30 seconds or a device that checks the grounding circuit.
- WARNING Children or unqualified persons should not use the machines.
- The device can be use by persons with reduced physical, sensory or mental capabilities, or lack of experience or knowledge as long as they are under surveillance or after having received instructions regarding the safe use of the appliance and after the comprehension of its dangers.
- Children must not play with the appliance.
- The appliance must be disconnected from the plug after use and before the user performs maintenance on the unit.
- The cleaning and maintenance meant to be performed by the user should not be made by children without supervision.
- The liquid or steam must not be directed towards the devices which contain electrical components, such as the interior of ovens.
- Do not use in swimming pools when they are full of water.
- Do not leave the device unattended when it is connected to the power.
- Do not use the device if it has been dropped, if there are visible signs of damage or if there are losses.
- Maintain the machine out of reach of children when it is used or it is cooling down.



- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or a similarly qualified person in order to avoid any hazard.
- Do not use the machine if the power cord or important parts of the machine are damaged, for example, the safety devices, tubes under pressure, the gun trigger.
- If you are using an extension cord, the plug and socket must be watertight.
- Inadequate extension cords can be dangerous.
- Do not spray or jet-wash the equipment.
- Jets can be dangerous if used improperly. The jet must not be directed at persons, electrical equipment under pressure or the machine itself.
- **WARNING** Risk of explosion. Do not spray flammable liquids.
- **WARNING** Hoses, fittings and connections are important for the safety the machine. Use only hoses, accessories and couplings recommended by the manufacturer.
- **WARNING** To ensure the safety of the machine, use only original spare parts supplied by the manufacturer or approved by him.
- **WARNING** The machine must be disconnected from the power supply by disconnecting the plug from the outlet during cleaning, maintenance and when replacing parts or as it converts the machine to another function.
- The appliance must be always placed flat on the floor during normal use, so as to prevent it from falling.
- **WARNING** The boiler of this machine is designed to be used with water as described in the instructions, the use of other cleaning agents or other chemicals may jeopardize the safety of the machine.
- The steam generator must not be used in presence of corrosive or potentially explosive atmospheres (gas, vapors o inflammable mists and/or combustible dust).
- Do not immerse the appliance in water for cleaning.

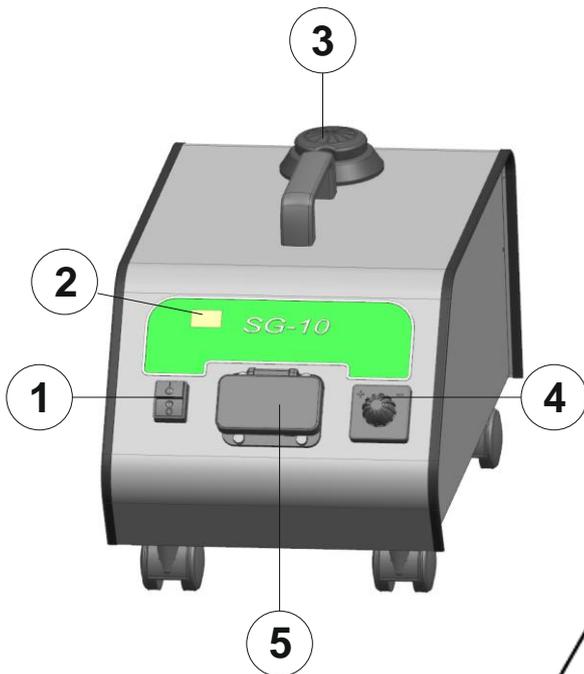


WARNING DURING USE

During use, the following minimum instructions should always be followed:

- Be careful not to touch nozzles, they become hot during the steam output.
 - Pay attention to the contact with the external surfaces of the machine during use, they can overheat.
 - The steam generator is equipped with a security cap, its purpose is to regulate the pressure in the tank if too high.
 - In case of foam or liquid leakage from the bottom, turn off right away!
 - The appliance must be disconnected from the power before performing any maintenance.
 - Never use the appliance without shoes.
 - Do not use the device or touch the plug with wet hands.
 - Do not use the machine if there are people in its range, unless they are wearing protective clothing.
 - Do not direct the jet towards yourself or other people to clean clothes or footwear.
 - Do not open the filling orifice during use.
 - Do not spray or jet-wash equipment.
 - Do not use the appliance outdoors in case of rain, or exposed to high temperatures under the sun.
 - Do not cover the machine with cloth or similar things during its use or until it remains hot, give it time to cool down.
- ▶ Do not tow with vapor pipe or cable, it could get damaged!
 - ▶ An inadequate extension of the cable can also be dangerous

CONTROL PANEL



- 1 General switch
- 2 Display
- 3 Water-filling cap
- 4 Steam adjustment knob
- 5 Connector block for hose



PREPARATION and START TO USE

Open the cap (3) and fill the tank with tap water.
 -Note: If the water available should be "very hard" (>20°F), it is recommended the use of 50% demineralized water or distilled water, (this to avoid excessive limestone formations and to be sufficiently conductive)

ATTENTION: Do not add detergents, anti-limestone solutions or essential oils in the water tank boiler, these can cause irreparable damage to the boiler and circuits. The manufacturer is not responsible for any damage caused by improper use.

Connect the plug to a socket on an electrical interconnection conformed to the rules of the country, equipped with a switch and an earth terminal efficient.

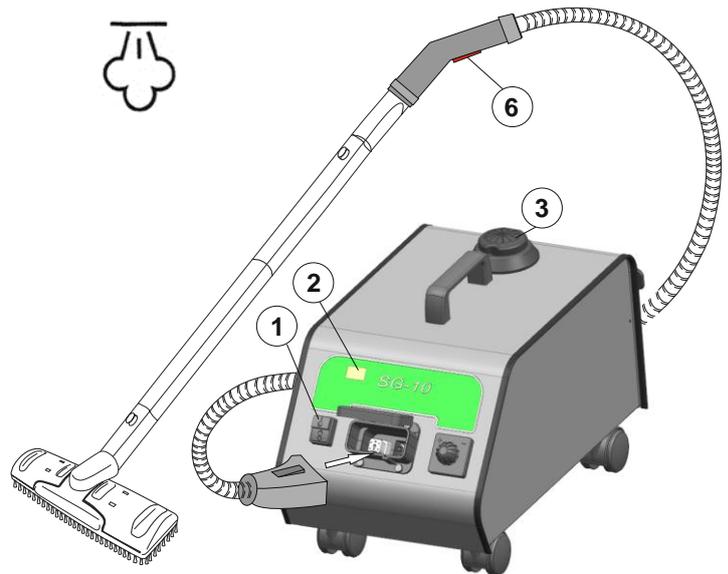
START TO USE:

Turn the main switch on (1).

The display (2) will turn on and indicate the temperature-pressure status of the machine, when the machine is ready, it will visualize "170". (usually the machine needs around 2÷3 minutes to be ready.)

The machine starts heating.

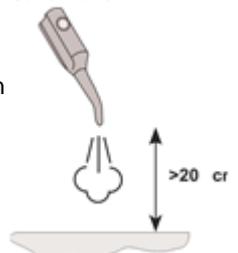
Choose the most suitable accessory for the needed use and connected it to the multifunction handle, by means of the extension tubes, then insert the hose connector as shown by the white arrow in the picture.



When the machine is ready, to release steam through the handle of the flexible, press the lever button (6). Now use the brush or accessory in the surfaces to be cleaned.

Attention: it is recommended to perform the first release of steam after the heating on a container for about a minute, this is to collect any condensate water generated in the initially cold ducts.

Attention: if you are working on delicate surfaces or things, keep the steam jet at an adequate distance of at least 20-40cm.



STEAM RELEASE REGULATION:

Through the regulation knob (4) placed frontally on the machine, you can gradually adjust the release of the steam.

END OF WATER: The acoustic and the visual indicator of the display (2), indicates when there is no more water inside the tank by showing "H2O", this is why the machine will stop the steam release.

WATER SUPPLY:

Proceed as described:

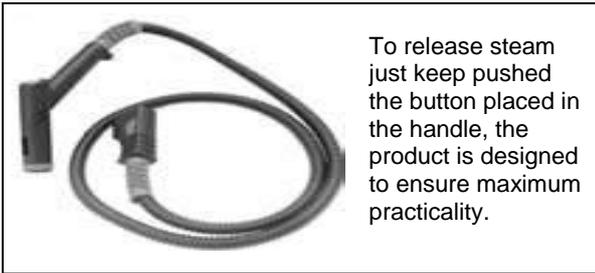
Open the cap (3) and refill the tank with water (see note PREPARATION).

Close the cap.

Push the lever button (6) of the hose handle to re-start working. (you can hear the pump starting to work) please wait a few seconds and then re-start your cleaning operation with steam.

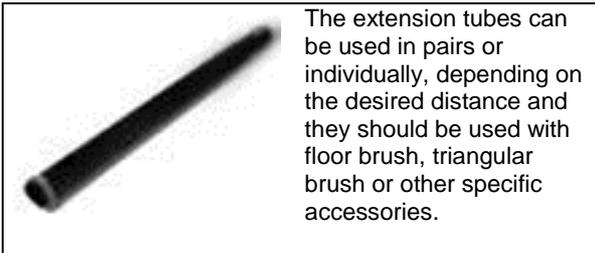
ACCESSORIES AND USE:

FLEXIBLE HOSE AND HANDLE



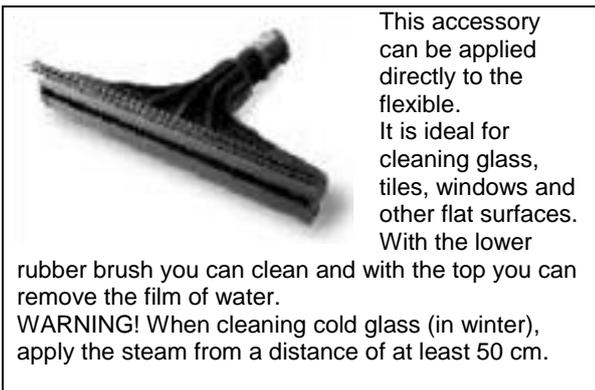
To release steam just keep pushed the button placed in the handle, the product is designed to ensure maximum practicality.

EXTENSION TUBES



The extension tubes can be used in pairs or individually, depending on the desired distance and they should be used with floor brush, triangular brush or other specific accessories.

WINDOW SQUEEGEE



This accessory can be applied directly to the flexible. It is ideal for cleaning glass, tiles, windows and other flat surfaces. With the lower

rubber brush you can clean and with the top you can remove the film of water.

WARNING! When cleaning cold glass (in winter), apply the steam from a distance of at least 50 cm.

RECTANGULAR BRUSH



This accessory must be connected to the hose or the extension tube, after having plugged it to the JOINT.

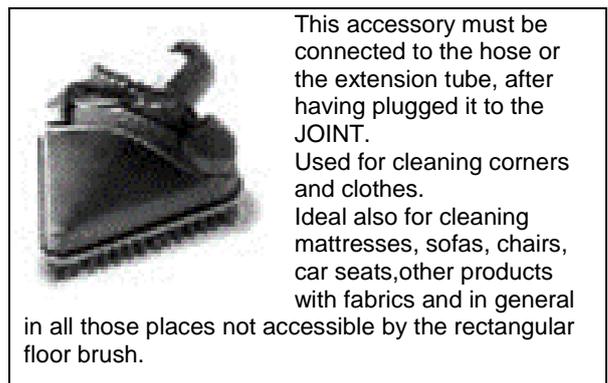
This brush is ideal for large surfaces and floors. With two

bristle row, this brush is indicated for the treatment of hard surfaces: Marble - Ceramics - Cotto.

The brush has on the top of two pliers for cloth, it can be used with or without cloth.

The cloth offers a great power of absorption and cleaning, and it is designed to mitigate the power of steam released during the treatment of very delicate surfaces such as wood - Laminate - Parquet - treated Cotto.

TRIANGULAR BRUSH



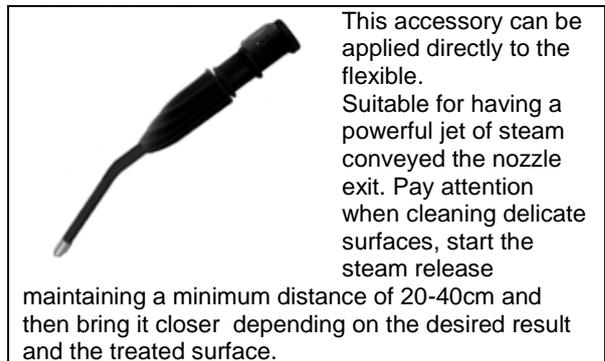
This accessory must be connected to the hose or the extension tube, after having plugged it to the JOINT.

Used for cleaning corners and clothes.

Ideal also for cleaning mattresses, sofas, chairs, car seats, other products with fabrics and in general

in all those places not accessible by the rectangular floor brush.

STEAM LANCE

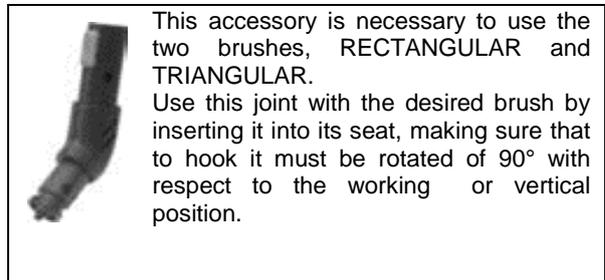


This accessory can be applied directly to the flexible.

Suitable for having a powerful jet of steam conveyed the nozzle exit. Pay attention when cleaning delicate surfaces, start the steam release

maintaining a minimum distance of 20-40cm and then bring it closer depending on the desired result and the treated surface.

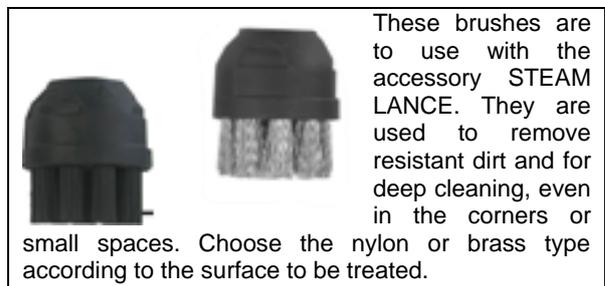
JOINT



This accessory is necessary to use the two brushes, RECTANGULAR and TRIANGULAR.

Use this joint with the desired brush by inserting it into its seat, making sure that to hook it must be rotated of 90° with respect to the working or vertical position.

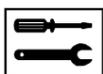
BRUSHES



These brushes are to use with the accessory STEAM LANCE. They are used to remove resistant dirt and for deep cleaning, even in the corners or

small spaces. Choose the nylon or brass type according to the surface to be treated.

MANTAINANCE



* Always remove the plug before cleaning or carrying out operations on the machine.

For the safety of the operator and to ensure an always perfect performance, we recommend the following checks and maintenance:

AFTER EVERY USE:

For a correct cleaning, it is advice to clean the machine and its accessories with a clean cloth moistened only with a few drops of water. Do not use alcohol or other solvents, they may damage the plastics and components.

To maintain efficient and easy to couple the accessories, check the o-ring seal (*steam sealing gaskets*) and possibly wet them with a little silicone grease.

PERIODICALLY:

Periodically check that the power cord does not show signs of wear or aging. If it is damaged, it is absolutely necessary to get it replaced by specialized personnel before being able to re-use the appliance again.

BOILER CLEANING

Clean the boiler in our authorized centers once a year.

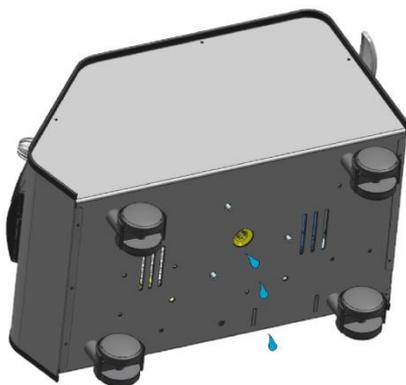
RINSE: It's recommended at least every 50 hours of operation or 4 months.

a) **DISCHARGE:** The machine must be cold or definitely discharged from the steam pressure and the plug disconnected. Open it by pulling the rubber cap placed under the machine in correspondence of the boiler (see image below) and with an allen wrench 6mm open the drain plug, shake slightly the machine to let the water and the completely dissolved limestone out.

When the boiler is empty, clean and close carefully the cap tightening it with the wrench.

b) **FILLING:** Fill the water tank (3), turn the machine on and make it start again, waiting for the boiler to be re-charged again.

(**att:** Att: it may be that during the first charge cycle, the "end of water" light turns on and you need to shut down/restart the machine to complete the load)



BOILER CLEANING:

The boiler cleaning is recommended at least every 100 hours of operation or 8 months.

After having necessarily made the boiler exhaust (see paragraph RINSE in step a), ensure that the water level in the plastic refill tank (3) is at least up to the middle. Shake the machine well and then turn it upside down to discharge any residual deposits in the tank.

Dissolve in 1 liter of water about 15% of citric acid (if in powder or granules, 150g of citric acid dissolved for each liter of water).

(Alternatively it is possible to use 0,3 liter of water with 0,7 liter vinegar).

Insert the prepared liquid in the refill tank of the machine. (3).

Connect the power plug, turn on the main switch.

Wait for the pump to finish filling the boiler. (Att: it may be that during the first charge cycle, the "end of water" light turns on and you need to shut down/restart the machine to complete the load).

When fully charged, turn off the main switch, unplug the power plug and let the machine to rest for 6-7 hours.

(Att: do not let inside the solution over the indicated time period to avoid damaging the steel of the boiler)

With the machine cold, shake it well and then open the drain plug, now empty well all the limestone dissolved in the solution, rinse it again entering from the drain hole a couple of glasses of clean water.

Now clean and close the drain plug carefully.

* Fill the charging tank (see Preface) with clean water and turn on the machine. Wait for it to charge and heat.

Now, for about 10 minutes the steam supply will smell of lemon given by the washing performed.

When the boiler cleaning is finished, restart the machine, following the instructions in "Start to use".



► * after the cleaning operations of the boiler, it is advisable to check if the caps under the machine leak, in this case check their closure with a wrench or replace the seal after the machine cools down.

PROBLEMS AND SOLUTIONS

<p>FAULT Steam leaks from the accessories</p> <p>SOLUTION due to wear or damage of o-rings. Replace them taking care not to damage them and insert them with attention.</p>
<p>FAULT Steam tube plug is difficult to insert into the outlet of the machine</p> <p>SOLUTION Do not force to insert it, but put a bit of silicone lubricant on the o-rings and into the joint connection .</p>
<p>FAULT The boiler needs more time to warm up.</p> <p>SOLUTION Clean the boiler as described. In case, make the absorption with the power rating indicated in the technical data check.</p>
<p>FAULT Pressure drops quickly while using the steam</p> <p>SOLUTION It is due to limestone, clean the boiler as described.</p>
<p>FAULT Intervention of the circuit breaker during use. (Probable dispersion from the resistance or electric valve to ground)</p> <p>SOLUTION Check that the power cord is not visibly damaged. Try connecting the plug into a different socket. Verify that there are no spills or leakage of water from the machine, in this case have it checked by a qualified center.</p>

DECOMMISSIONING:

DISPOSAL AND RECYCLING

Do not discard the components of the appliance into the environment. For more information on proper disposal of the household appliances, holders may contact the public service responsible or resellers.



The symbol of the crossed bin on the appliance or its packaging indicates that at the end of its life the product must be collected separately from other waste. This product complies with the EU Directive 2011/65/UE. Within the meaning of the EU Directive 2012/19/EU in the field of electric and electronic equipment, do not dispose of the appliance with the normal household waste but hand it over to a center of differentiated collection journal. The user must take the appliance to an appropriate center for electronic goods and electro-technical ones or return it to the seller when purchasing of a new equivalent device, on a one-for-one basis. An appropriate recycle, treatment and compatible environmental disposal of the device help to avoid possible negative effects on the environment and on the health and facilitates the recycling of the materials of which the device is composed. Abusive disposal of the product by the user implicates sanctions in accordance with the current law. For more information regarding the recycling methods, please contact the competent local authorities.

DICHIARAZIONE DI CONFORMITA' "CE"

Dichiariamo sotto la nostra esclusiva responsabilità che il prodotto al quale questa dichiarazione si riferisce è conforme alle seguenti Direttive Comunitarie:

"CE" CONFORMITY DECLARATION

We declare on our own responsibility that the product to which this declaration refers is in accordance with the following European Community Directives :

"CE" KONFORMITÄTSERKLÄRUNG

Auf unserer Alleinverantwortung erklären wir, daß das Produkt, auf das sich diese Erklärung bezieht entspricht den folgenden Richtlinien der Europäischen Gemeinschaft:

DECLARACIÓN "CE" DE CONFORMIDAD

Bajo nuestra exclusiva responsabilidad, declaramos que el producto, al que esta declaración se refiere, es conforme con las siguientes directivas comunitarias:

DECLARAÇÃO "CE" DE CONFORMIDADE

Declaramos sob a nossa exclusiva responsabilidade que o produto ao qual esta declaração se refere está em conformidade com as seguintes directivas comunitárias:

DECLARATION DE CONFORMITE "CE"

Nous déclarons sous notre exclusive responsabilité que le produit auquel cette déclaration se réfère est conforme aux directives européennes suivantes communautaire

2006/42/CE – 2014/30/UE - 2011/65/UE

