

**USING AND MAINTENANCE MANUAL FOR SELF-CONTAINED
CARPET CLEANING MACHINE**



Charis-ONE

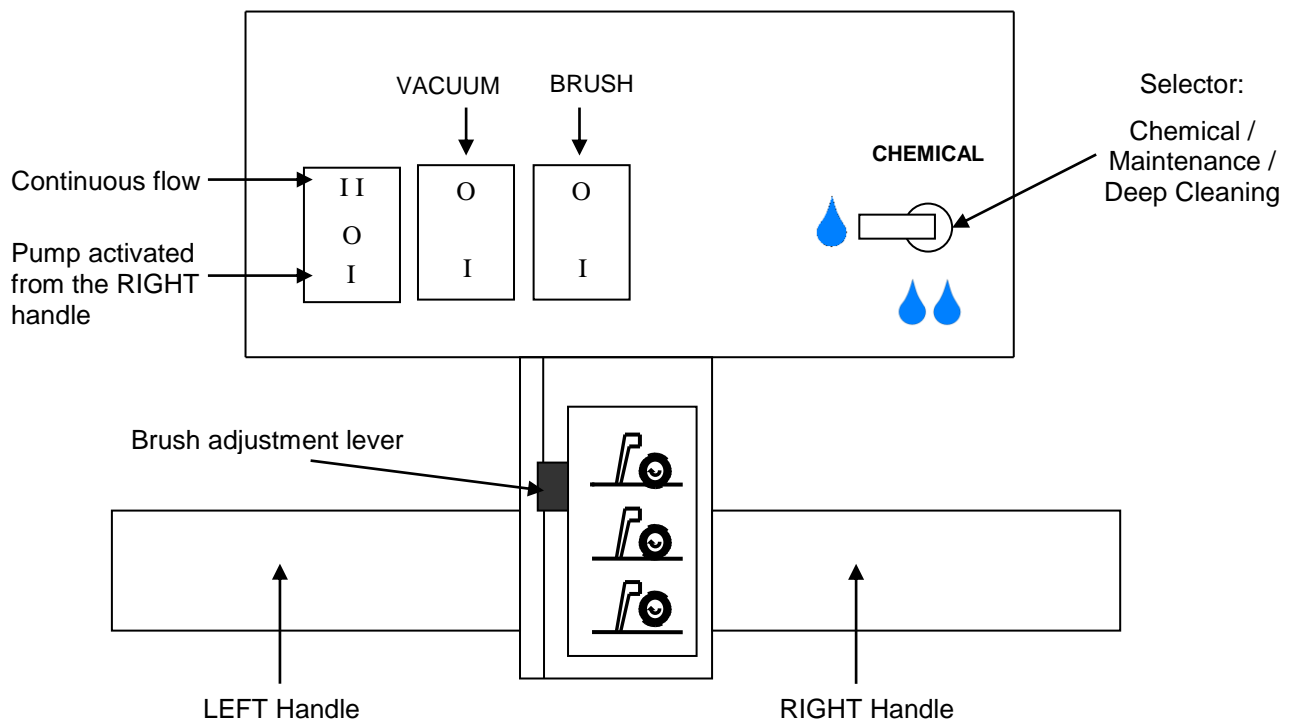
READ CAREFULLY BEFORE USING THE MACHINE

Structure of the machine

Charis-ONE is a Self-contained machine, cleaning a stripe of 40cm of carpet moving backwards. This machine is indicated to clean carpeted areas of middle size. The body of Charis-ONE is composed by two high-density polyethylene tanks, kept together with elastic hooks. The upper tank is meant to contain the dirty water sucked from the carpet, while the lower tank is meant to contain clean water and detergent. The lower tank contains also the vacuum motor, the brush motor and the pump. The control panel is situated on the upper tank.





Control panel and handle

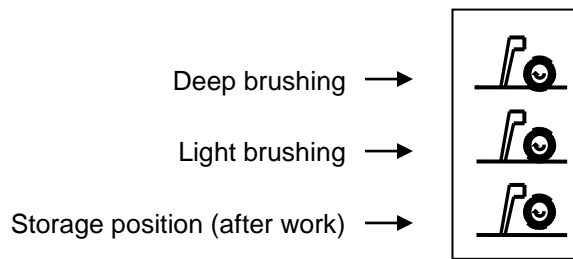


Preparation for Work as a self-contained machine for carpet

1. Fill in the lower tank (solution tank) with cold or warm water, through the filling hole, adding a 5% of not-foaming detergent (1/2 liter each 10 liters). If the machine is equipped with the optional SMARTKIT, it is possible to put in the tank just clean water and keep separate the chemical bottle. See the specific manual for more details.

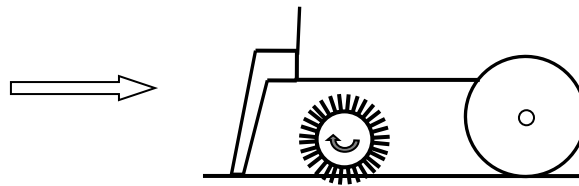
Attention: wool carpet must be washed with cold water only!

2. Insert the plug of the cable into a wall socket (see Safety Regulations).
3. Set to position "I" the switches of the vacuum motor, the pump and the rotating brush.
4. Set the spray selector to maintenance cleaning () or deep cleaning position ().
5. Adjust the pressure of the brush, acting on the brush adjustment lever.



6. To spray water, rotate backwards the RIGHT handle.

7. Pull back the machine. In this way you will clean a stripe of carpet by spraying, brushing and vacuuming it in the same time.



8. After cleaning a complete stripe, stop spraying and proceed few more centimeters backwards, to completely dry the stripe.

9. To put the machine at the beginning of the next stripe, bend the machine backwards, raising the vacuum head, and push forward the machine.

10. Let the vacuum head touch again the carpet,

ATTENTION:

- The brush motor is protected from overload, by a protection located on the control panel. If this protection intervenes, it is necessary to reduce the pressure of the brush, to avoid the overload of the motor. If this is not enough to avoid that the protection repeatedly intervenes, you should contact the technical assistance. The repeated intervening of the protection might result in faults which cannot be covered by warranty.
- Keep an adequate safety distance from other people, who could be run over by the machine. Pay attention to any object that could be hit by the machine. Never leave the machine unguarded.
- Do not let the pump function without water! This could cause a damage of the pump.
- The machine should not be used to vacuum dust, which would be sucked by the vacuum motor, damaging it.
- Verify that the brush inserted in the machine is the appropriate type for the surface to be cleaned. In particular, the optional specific brush for hard floor should not be used on carpet, since it might be too aggressive for carpet and damage it, or it could cause an overload of the brush motor.

Use with Accessories

In this modality the machine works as a box extractor. After filling the tanks with solution and inserting the plug in the wall outlet (see steps 1 and 2 of the paragraph Preparation for Work as a self contained machine for carpet), you need to do the following:

1. Connect the machine to the wand or to the hand-tool using the dedicated vacuum hose and solution hose. The vacuum hose must be connected to the recovery tank cover, replacing the hose going to the vacuum head. The solution hose must be connected to the specific female coupling, replacing the hose going to the spray nozzles.
2. Switch on the vacuum motor by setting their switch to position "I", and the pump by setting the switches to position "II". In this way the solution pump always works and it is not necessary to keep pressed the control lever situated on the control panel.
3. To spray water you need to press the lever situated on the handle of the accessory.

Working Method

As regards the use as a self-contained machine, considering a rectangular surface, we suggest you to proceed in parallel stripes, spraying and sucking the solution at the same time. Proceed at a speed suitable to the dirt of the carpet. Act on the regulation valve to set the proper quantity of water to be sprayed on the carpet.

In case of persistent spots, you can locally apply a pure detergent. On the market there are also spray bottles with detergents which are specific for a particular kind of spot. Choose high-quality detergents only, in order to avoid any damage to the surface. Always make a test in an area where an eventual damage is less visible.

Maintenance

Charis-ONE is a professional machine. The warranty on these machine is of 1 year and regards the faults due to manufacturing defects. The faults due to improper use are not covered by warranty. For further details regarding warranty, contact the distributor supplying the machine.

For a good preservation and a long duration of the machine, observe the following advice:

1. After each use, before storing the machine, remove all the water from the solution and the recovery tank. Put some liters of clean water into the solution tank and use the pump only, pressing the lever of the solution valve. This operation is useful to clean the internal parts of the pump, of the couplings and nozzles, removing the detergent residues.
2. After every use, store the machine in a cool and dry place with the cover open, to prevent humidity inside the recovery tank from condensing on the internal parts of the vacuum motor, therefore damaging it. The damage provoked by humidity that condenses on the motor (like the damage caused by the foam sucked by the motor) is not covered by warranty.
3. Periodically clean the water filter, extracting it from the machine and rinsing it under current water.
4. Eliminate the lime that in time deposits inside the hydraulic circuit of the machine, by putting some anti-lime solution in the solution tank and leave it for some hours. Then empty the tank and rinse. It is enough to perform this operation every 6-8 months.
5. Periodically check and clean the filter of the vacuum motor, which is located under the transparent circular cover of the upper tank.
6. Periodically check the consume of the carbon brushes of the vacuum motor. This check should be done after 500 working hours.
7. Periodically check also the carbon brushes of the water pump, after 500 working hours.
8. Check the consume of the carbon brushes of the brush motor, after 1500 working hours.
9. Worn-out carbon brushes may result in a damage to vacuum motor or pump, which are not covered by warranty. The check of carbon brushes should be done by technical assistance.
10. Periodically check that the brush rotates without problems, eliminating the causes which prevent a free rotation. In case of difficulties, contact the technical assistance.

Milano, 01/02/2010

DICHIARAZIONE DI CONFORMITA'
DECLARATION OF CONFORMITY / DECLARATION DE CONFORMITÉ
CE-KONFORMITÄTSBESCHEINIGUNG / DECLARACION DE CONFORMIDAD

Noi / We / Nous / Wir / Nosotros:

SANTOEMMA srl
Via Piave 22/C
20016 PERO (Milano)

dichiaro sotto la nostra responsabilità che il prodotto:

declare under our responsibility that the product / déclarons sous notre responsabilité que le produit / erklären unter unserer eigenen Verantwortung, daß das Produkt / declaramos bajo nuestra responsabilidad que el producto:

Lavamoquette/lavapavimenti Charis-ONE
Spray extractor for carpet and hard floor Charis-ONE
Machine a laver la moquette et le plancher Charis-ONE
Sprühextraktionsgerät für Teppich-und Hartböden Charis-ONE
Máquina limpiamoqueta/limpíasuelo Charis-ONE

Alla quale questa dichiarazione si riferisce, è in conformità alle seguenti Direttive Europee ad alle loro modifiche: CE 2006/42; 2006/95; 2004/108. Le norme di riferimento sono: EN60335-1:2008; EN60335-2-69:2009; EN 60704-3; EN55014-1:2008 + EN55014-2:1998 + A1:2008 + EN61000-3-2:2006 + EN61000-3-3:1995 + A1:2001 + A1:2005 + EN50366 + EN30366/A1.

To which this documentation relates is in conformity with the following European Directives and their modifications: EC 2006/42; 2006/95; 2004/108. The European regulations in force are: EN60335-1:2008; EN60335-2-69:2009; EN 60704-3; EN55014-1:2008 + EN55014-2:1998 + A1:2008 + EN61000-3-2:2006 + EN61000-3-3:1995 + A1:2001 + A1:2005 + EN50366 + EN30366/A1.

À la quelle cette déclaration se réfère, répond aux Directives européennes suivantes et à leurs modifications EC 2006/42; 2006/95; 2004/108. Les règlements européens en vigueur sont: EN60335-1:2008; EN60335-2-69:2009; EN 60704-3; EN55014-1:2008 + EN55014-2:1998 + A1:2008 + EN61000-3-2:2006 + EN61000-3-3:1995 + A1:2001 + A1:2005 + EN50366 + EN30366/A1.

Auf das sich diese Bescheinigung bezieht, den folgenden Europäischen Richtlinien und ihren Änderungen entspricht: EC 2006/42; 2006/95; 2004/108. Die Gültigen Europäischen Normen sind: EN60335-1:2008; EN60335-2-69:2009; EN 60704-3; EN55014-1:2008 + EN55014-2:1998 + A1:2008 + EN61000-3-2:2006 + EN61000-3-3:1995 + A1:2001 + A1:2005 + EN50366 + EN30366/A1.

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