





## SAFETY RULES AND WARNINGS

- Check if the feeding voltage is corresponding to the data written on the data plate of the machine (fig. 1).
- **Attention: do not press the electric wire while using the machine. It may be dangerously damaged.**
- The electric wire must be regularly checked to focus any probable damage. In the case it is damaged, the wire must be immediately removed and replaced at an assistance specialised centre: this operation can be done only by using a special instrument.
- **Attention: do not use any inflammable or liquids or any explosive or corrosive substances. Do not suck any kind of dust, which could be dangerous for your health.**
- **Attention: before any maintenance operation, such as cleaning or preparation, unplug the wire.**
- **Attention: if you use the machine on sloping surfaces, this could move. Do not leave the handle.**
- Do not use the machine on surfaces over 2% sloping.
- The water level device must be regularly cleaned and checked up in order to focus any sight of deterioration.
- This machine is fit for any commercial use: for examples hotels, schools, hospitals, firms, stores, shops and offices.
- This machine can be used only by authorised staff trained to its use.
- The noise made by this machine during the use is lower than 65 dB.
- The manufacturing company denies any type of responsibility for damages to people and things due to the misuse or mismanagement conditions.

## MACHINE ASSEMBLAGE

Take the machine out of the package and lift it by using the two proper black handles (fig. 2).

Pull the shaft in the working position and lock it by clutching the two grips on the machine sides (fig. 3).

Assemble the clean water tank and lock it by lowering and turning the two black thimbles (fig. 4)

Set the two bristle brushes (fig. 5). The machine is equipped with a set of brushes fit for the washing and cleaning of any kind of surfaces such as marble, ceramic, sandstone, etc.

**Attention: this machine has been designed to be used only with the original brushes supplied by the manufacturing company. The use of different brushes may damage or jeopardise the security of the item.**

Set the vacuum lid on the tank and fix it (fig. 6).

After setting the regulation lever of the squeegee in the position  $-$ , insert the vacuum squeegee, and fit it by pushing, moving the lever on position **1** (figg. 7-8-9).

Check that the front wheel relief does not touch the floor: the grip must be settled in position  $+$  (fig. 10).

**TURBOLAVA® 2M DOUBLE** is now ready to work.

# WORKING

## Floor washing and dirty water recovering

Fill the clean water tank with a solution of water and **neutral detergent**, in the measure suggested by the manufacturer, but without filling it up to the top.

Before starting remove any solid substances from the floor, then:

- Set the feeder and start the two engines, both for aspiration and brushes, by acting on the switch placed on the grip.
- Start the floor washing by pulling the lever to distribute the detergent liquid (fig. 11).
- Get across the room as shown in the scheme (fig. 12).
- In case of poor or too abundant distribution, regulate the plug places on the tank rod (fig. 13).

## Empty the wastewater tank

**The wastewater tank must be emptied before it is totally full to avoid any dirty liquid to spoil the operation fans.**

When the water reaches the level set on the marked line in the tank, stop the machine and empty the tank, removing it after taking away the aspiration lid (fig. 6).

A float stops water recovering from the floor whenever the water level passes the sign marked on the tank. Every loading of clean water corresponds to a loading of dirty water.

## Regulation of the aspiration squeegee

The lever placed on the right side of the machine regulates the rear aspiration squeegee (fig. 9).

In position  $\bar{\quad}$  the squeegee is free, it can be assembled or disassembled from the machine.

In position **1** the squeegee is fit for drying up the floor.

In position **2** the squeegee is lifted from the floor, it is no more working and it leaves the floor wet.

## USE ADVISES

### Very dirty surface washing

Very dirty or absorbing floors (sandstone - tiles) should be washed twice, in order to avoid stripes, due to different incrustations. Do as follows:

- Set the lever on **2**, so that the squeegee does not touch the floor.
- Start washing, distributing continuously the detergent liquid, and pass more times.
- Recover the water, setting the lever on **1** so to lower the aspiration squeegee.
- Whilst proceeding, distribute clean water for rinsing.

### Daily washing

- Wash the floor with the aspiration squeegee fitted onto the machine and the lever on the position **1**.
- The machine washes and recovers any dirt leaving the floor dry.

### Assembling of the front squeegee (optional)

To grant a perfect floor drying up while the machine goes both rearwards and forwards, for example when you want to wash under tables or very small rooms with little manoeuvres, **TURBOLAVA® 2M DOUBLE** can be fitted with an additional aspiration squeegee. Do as follows:

- Loosen, but not totally, the two black grips and fit the front squeegee fixing rods (fig. 15).
- Lock the grips screwing firmly.
- Set the flexible aspiration tube in the front hole after removing the expansion plug (fig. 16).

### Floor polishing or daily maintenance of medium-dirty floors

**TURBOLAVA® 2M** has been conceived to fulfil perfectly even the easiest function, such as common single brush High Speed using 16" pads with relating pad holder (fig. 17). **This kind of brush is not suitable for water and detergent washing.**

To use 16" pads, do as follows:

- Disassemble the front aspiration squeegee.
- Remove the brushes from their pivots.
- Be sure that the machine is totally dry.
- Set the 16" pad holder on the left pivot (fig. 18).
- Set the protection crankcase and fix it with the two grips as shown on (fig. 19).
- **Attention: Should you fail to use the protection crankcase while working with the 16" pad holder, the machine working may result dangerous.**
- **Lower the lightening wheel on the right side of the machine, rotating the lift haft with the axis in position (fig. 10).**
- Use white or yellow 16" pads to polish and **Top Line Pre-Burnish 3M** pads for daily washing with spray cleaning. It is also possible to fit and cylinder holder attachment.

## MACHINE CLEANING

- The machine gets dirty whilst using it, and at the end of each working day it is compulsive to clean it as follows, after unplugging the electric wire:
  - Remove the wastewater tank, clean its room, remove the tank lid and rinse it abundantly (fig. 6), take out the filter (figg. 20-21), wash them with running water and clean the tank completely.
  - Change the filter when it starts to crumble. Be sure that the floater moves freely along its pilot.
  - Take out and clean the aspiration squeegees with running water (fig. 22).
  - With a wet cloth clean the bottom of the machine and the aspiration channels, which the squeegees are fitted onto as well (figg. 16-23).
  - Clean the brushes with running water.
  - Empty the tank from the remaining liquid.
  - Grease the brush attachment and oil the aluminium parts.
  - After the use, remove the brushes or the pad holders from their attachments, so that the machine weight does not spoil them while they are not working.
- TURBOLAVA® 2M DOUBLE is an electric machine - keep it in a dry place.**

## AVAILABLE SPARE PARTS

- **Pad Driver Pad Holders-** 2 7½" pad holder with scrubbing pads, black for severe washing, green for vinilic floors, yellow to polish. A variety of materials can be cut into pads. Black, green, red white scrubbing pads and micro fibre can be used in many areas on many surfaces. Please test prior to using for desired final result. Remember these pads rotate at 550 rpm and the aggressive nature of the pad can cause damage to some floors. Manufacturer accepts no liability or responsibility in misuse or application.
- Front aspiration squeegee.
- 16" pad holder with pads, white to polish, **Top Line Pre-Burnish 3M** pads for spray cleaning.

## HOW TO HELP YOURSELF AND SOLVE SMALL PROBLEMS

### Problems

The detergent water does not come out or comes out too much

The floater does not stop water recovering when the tank is full

The machine does not aspirate, the floor is wet

When the machine is working, the brushes do not move

### How to solve them

Regulate the plug set on the tank rod. Fix the plug properly to the control fork placed on the handle (fig. 13).

Remove the floater from its pilot, clean everything and be sure that it moves freely (fig. 21).

Act on the lever to regulate the squeegee on position 1 (fig. 9). Clean the squeegee, the aspiration channels and the filters (figg. 16-20-21-22-23).

Replace or change the driving belt in an assistance centre. Assemblage scheme (fig. 24).