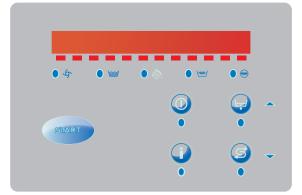




Instructions for Use and Maintenance

110665

CE



COD.: 4550_U Ed. 05 - 09/2018



Thank you for choosing our machine.

The instructions for installation, maintenance and use found on the following pages have been prepared to ensure a long life and perfect operation of your unit.

Please, do follow the instructions carefully.

We have designed and built this machine using the latest innovative technologies. Now you shall take good care of it.

Your full satisfaction is our greatest reward.



READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLING THE MACHINE.



WARNING: FAILURE TO COMPLY, EVEN PARTIALLY, WITH THE PRESCRIPTIONS IN THIS MANUAL WILL RENDER THE PRODUCT WARRANTY NULL, AND THE MANUFACTURER SHALL NOT BE LIABLE.



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WARNINGS

This instruction booklet must be kept with the machine for future consultation. If this machine is sold or transferred to other users, make sure the booklet always goes with the unit so that the new owner can have all the necessary information on operations and all relevant

instructions.

The instruction booklet must be carefully read before installation and before starting the machine.

- Adaptation of the electrical and water systems for dishwasher installation must only be carried out by qualified operarators.
- The user shall not carry out any repair and/or maintenance operations. In any case contact qualified personnel.
- Only qualified personnel can access the control panel, when the main power switch is OFF.
- Servicing of this machine must be performed by authorized personnel only.
 N.B.: Use genuine spare parts only. Non-genuine parts will void the warranty and the manufacturer will take no responsibility for any damage.
- Do not use old load pipe, but only new ones.
- Follow the instructions given in the manufacturer's booklet for cleaning operations (chap.
 6).
- This machine must only be used by adults. This is a professional machine to be used by qualified personnel, installed and repaired exclusively by qualified Technical Personnel. The Manufacturer declines any responsibility for improper installation, use, maintenance or repair.
- This appliance can be used by trained youth aged from 15 years and above. It cannot be used by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.

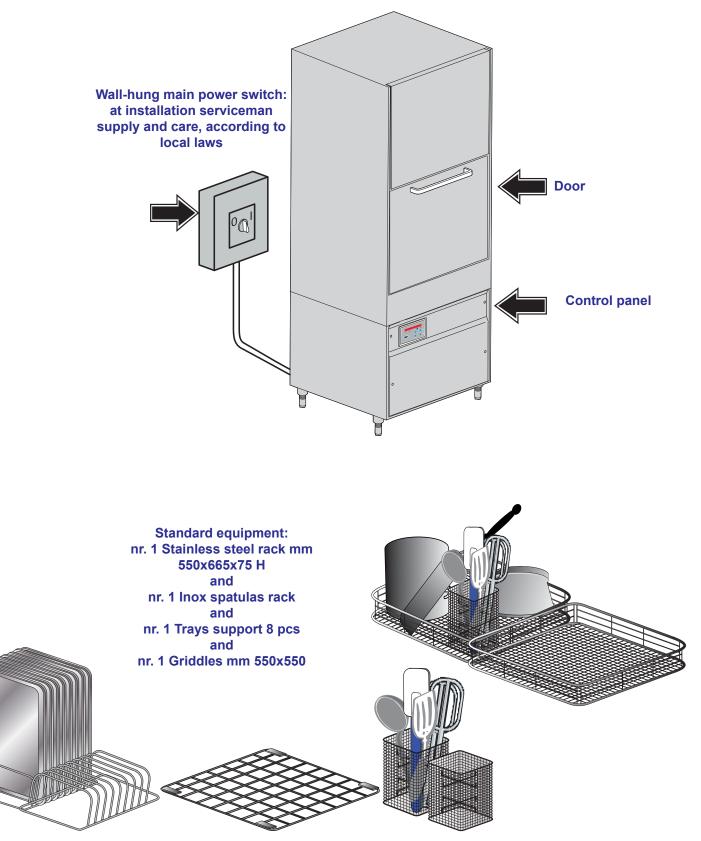
NOTE: The manufacturer declines any responsibility for accidents to people or any damage deriving from failure to observe the above listed instructions.



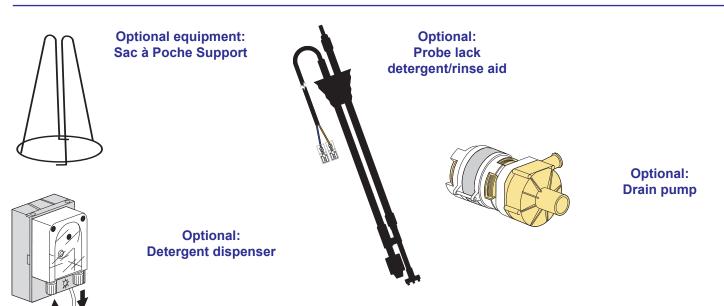
1 MACHINE DESCRIPTION

1.1 Machine Description

CE







To operate the machine, 3 connections are needed:

- Electrical;
- Water supply;
- Water drain.

This is a cycle machine comprising a 55°C wash cycle with detergent, a 82°C rinse cycle with injection of rinse-aid in the boiler hull.

This machine is designed exclusively for washing trays, baking-pans, food containers and pans in general with human food type of residue.

Any other use is deemed improper.

Do not wash articles polluted with petrol, paint, chips of steel or iron, fragile objects or material not resistant to the washing process.

Do not use acidic corrosive chemical products or alkaline and solvents or chlorine based detergents.

Do not open the machine door when operating.

In any case, the machine has a special safety device which immediately stops the unit if the door is open, thus preventing water spillage.

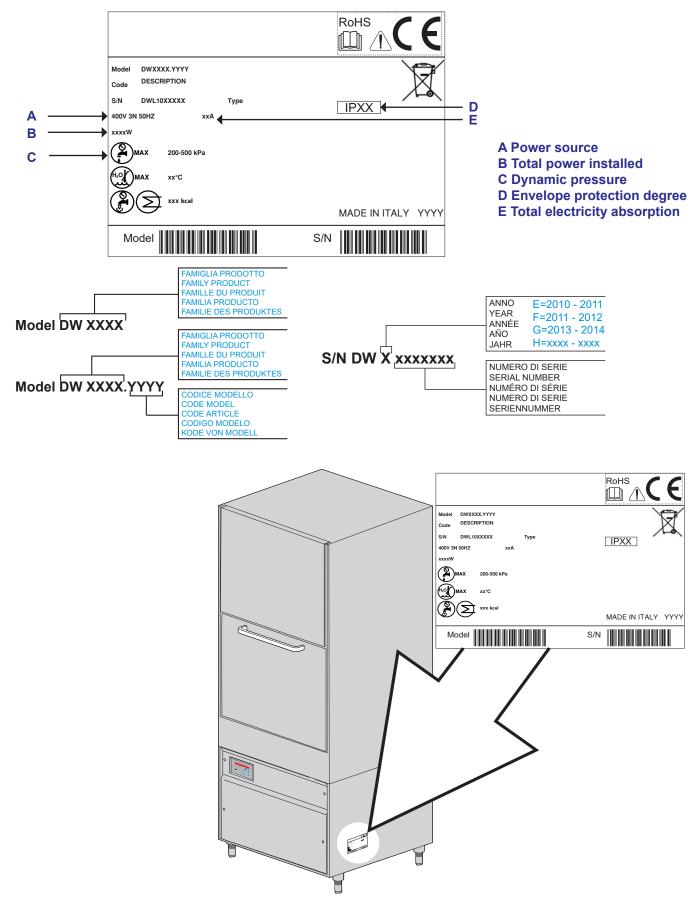
Always switch the machine completely off and drain the water tank, before accessing inside.

1.2 Machine features

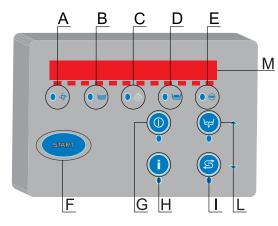
The machine has a noise level below 70dB.



1.3 Dataplate







3. OPERATION

3.1 Machine start-up

Pict. 1



2. CONTROL PANEL AND RELATIVE SYMBOLS

- A) Cycle light indicator
- B) Full tank indicator
- C) Button, not available
- D) Heating tank indicator
- E) Heating boiler indicator
- F) START key to start up cycle / Programming key
- G) Switching ON / OFF / Programming key
- H) Info (temperature / software review / key factory)
- I) Regeneration key (optional) / Decrease
- L) Drain Pump key (optional) / Increase
- M) Display

3.1.1 Start-up

• Check if the pump suction filter is properly inserted in its seat in the wash-tank bottom (see pict. 1).

- This filter must be cleaned every 20 wash-cycles or whenever necessary.
- DO NOT use the appliance without the filter.
- Insert the overflow pipe in its seat inside the pump suction filter (see pict. 1).
- Put the surface filters in place (see pict. 1).
- Shut the dishwasher door.
- Turn the water valve "open".
- Turn the main power switch ON.
- The display M will show, for a few seconds, the installed software version code.
 The machine is on STAND-BY. In the M display, the message STAND-BY will appear.

• Turn the button **G**. The LED positioned below the **G** control, will light (green color) at the machine's start (when the machine is on **STAND-BY** mode, the LED will turn red).



The display **M** will read **FILLING WATER**.

Should the machines be equipped with the WRAS certified Break Tank, the tank filling phase is extended. The display will read **HEATING**, till wash-tank and boiler will reach the set temperatures.





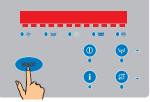
Should the machine be fed with hot water supply (50° C), the heating process will take some 15 minutes. Should the machine be fed with cold water supply (10° C), the heating process will take some 45-55 minutes. The display **M** will read the set wash-tank and boiler temperatures (scrolling text).



The appliance is now ready for a wash cycle.

3.1.2 Operation

- Insert the rack filled with objects to wash (see paragraph 3.2).
- Select the wanted washing cycle by pushing the START button F;



the display will show in sequence all these available programs. Once the wanted program is displayed, do release the button.

Cycle 2 Min	Cycle & Min	Cycle 10 Min
CYCLE Y MIN	Cycle 8 Min	

• Close the door: press the START F key. The indicator A will start flashing.

All wash-time long the display will read the wash-tank temperature and the boiler Below the temperatures indications linebar is displayed to show the progression of the wash-cycle (scrolling text)

At the end of the washing cycle, a hot rinse cycle will take place. When the cycle is completed, the display **M** will indicate the **CYCLE ENDED**.

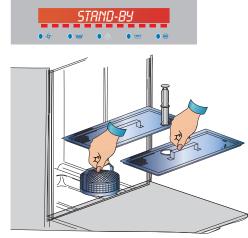


NB: At cycle-end, keeping the door closed, dishes will not dry. Take out the rack or keep the door open to allow evaporation, helping the drying of the door.

When opening the door the message **CYCLE ENDED** disappeared. The machine is now ready for the next wash-cycle. We recommend to change water at least twice a day, or whenever needed.

3.1.3 Switching OFF

• Turn the button G. The display will show STAND-BY.



Pict. 1

To drain completely the wash-tank, remove the surface filter and take off the overflow pipe. For machines equipped with drain pump see par. **3.5 Drain pump system**. • At the end of the day, clean the machine (see chap. **6 Maintenance**).

- Shut the water valve.
- · Switch the main power switch OFF.

3.2 Cutlery and crockery loading



Before cutlery and crockery loading in the machine, coarsely clean them from the leftover food. It isn't necessary to rinse the cutlery an crockery under water.

ATTENTION: Do not wash articles polluted with petrol, paint, chips of steel or iron, ash, sand, wax, lubricant grease. These substances damage the machine. Do not wash fragile objects or material not resistant to the washing process.

Note the following recommendations:

- Crockery and cutlery should not be inserted inside one another, covering each other.
- Place the crockery in order to all surfaces can be reached by water; otherwise the dishes are not washed.
- Make sure all the crockery are in a stable position and that the hollow containers don't overturn (cups, glasses, bowls, etc.) .
- Place in the rack all the hollow containers such as cups, glass, etc. upside-down.

• Place the crockery with deep hollow with upper face downwards, so that water can flow out.

• Make sure the smaller crockery do not fall from the rack.

• Check all the wash arms runs freely and they are not blocked by too tall or too prominent crockery. Eventually, run a manual rotation of the arms to check it.

Some foods, such as carrots, tomatoes, and others, may contain some natural dyes substances, that in large amounts, can alter the crockery and plastic parts colors. Any discoloration does not mean that the plastic is not heat resistant.

Crockery and cutlery not suitable for dishwasher

Not suitable for dishwasher:

• Wooden crockery and cutlery or with wooden parts; water at high temperature causes deformation to wood. Also the adhesives used are not suitable for treatment in the dishwasher; a consequence could be the handles detachment.

- Crafts, precious vases or decorated glasses.
- Not heat-resistant plastic crockery.
- Copper, brass, pewter or aluminum objects: they may become discolored or opaque.
- The decorations on glass, after a certain number of washes, can lose gloss.
- Fragile glasses or crystal items, if often washed, can become opaque.

We recommend to buy exclusively crockery and cutlery suitable for dishwashing.

After several washes, the glass can become opaque.

It is mandatory to repeat the washing cycle if at the end of the cycle the crockery are not well clean or if there are washing residues (glasses, cups, bowls, etc. with liquid inside).

Pict. 2



3.3 Detergent use

The machine can be equipped with the detergent dispenser. If provided, the machine will automatically take the needed detergent amount.

The detergent shall be the NO FOAM type, suitable for industrial dishwashers.

The detergent must be introduced in the tank. The use of good quality liquid detergents is recommended. By request the dishwasher can be equipped with an electric detergent dispenser (always recommended).

Follow the manufacturer's recommendations for chemical dosage, related to the local water hardness.1cm. of the product drawn into the tube is equal to about 0.15 g. A correct amount of detergent is very important for a successful wash.







3.4 Rinse aid use

The machine has a standard rinse aid dispenser. The machine automatically sucks the product. The rinse-aid chemical, shall be suitable for professional dishwashers.

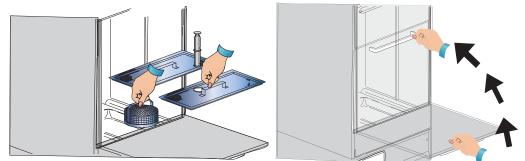
The recommended amount is 2-5 cm of product measured on the suction hose.

1 cm of the product drawn into the hose is equal to about 0.13g. A correct amount of rinse aid is very important for a quick and proper drying.

NB: Excessive amount of chemicals or foam will reduce wash pump efficiency.

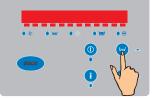
3.5 Drain pump system (optional)

To drain completely the wash-tank keep the machine OFF, extract the overflow pipe and shut the door.



After that, press the key L till the display will show TANK DRAINING.

The discharge pump will automatically drain the wash-tank. After the draining is complete, the machine will turn automatically





in **STAND-BY** mode.

If you want to refill the machine for a new cycle, see par **3.1 Machine start-up**.

The drain pump will operate also during the rinse cycle, to drain the water in excess from the wash tank.

WARNINGS:

- Do not slam the door when opening and closing.
- Do not put material or objects on the machine.
- The machine has an IPX3 protection rating against accidental water splashes and is not protected against pressurized water jets. Pressure-cleaning systems shall, therefore, not be used on this machine.
- Do not dip bare hands into water containing detergent. If this should occur, wash them immediately with plenty of water. Check the safety instructions on the detergent container.
- Some important rules must be followed for using this appliance:
 - 1) never touch the appliance with wet hands or feet;
 - 2) never use the appliance when barefooted;
 - 3) do not install the appliance in places exposed to water splashes.
- This machine must be disconnected from the main electrical supply after use at the end of the day and for any service/maintenance operation. Switch off the main switch located on the wall, which shall be installed by a professional installer. Shut the water supply valve(s).
- Do not cover the intake or dissipation grids.
- Do not use water to extinguish fires on electrical parts.

WARNING: INTERNAL CLEANING OF THE MACHINE SHALL BE CARRIED OUT AT LEAST 10 MINUTES AFTER THE POWER SWITCH HAS BEEN TURNED OFF.

WARNING: DO NOT INSERT HANDS AND/OR TOUCH THE PARTS LOCATED AT THE BOTTOM OF THE WASH TANK AND/OR AT THE END OF THE WASH CYCLE.



4. ECOLOGICAL ASPECTS

4.1 Recommendations for optimal use of energy, water and additives

Use the machine fully loaded when possible: This shall prevent detergent, rinse aid, water and energy consumption waste.

<u>Detergent and rinse-aids</u>: Use detergents and rinse-aid chemicals with high biodegradability, to best respect the environment. Verify proper dosage in relation to water hardness. Excess product pollutes rivers and seas while an insufficient dose results in unsatisfactory dish washing and/or hygiene.

<u>Boiler and Wash-Tank temperatures:</u> The boiler and tank temperatures are set by the manufacturer in order to obtain the best washing results with detergents on the market. The temperatures can be reset by the installer in relation to your detergent.

<u>Pre-washing</u>: Carefully pre-wash with a moderate amount of water at room temperature to facilitate the removal of animal fats. To remove encrusted materials warm water soaking is recommended.

<u>Note:</u> Wash objects as soon as possible to avoid deposits from drying and compromise effective washing. For effective washing routine dishwasher cleaning and maintenance is advised (see chap. **6**).

Disregarding the points listed above and of any the information contained in this manual can cause energy, water and detergent waste with a subsequent increase in running costs and/or performance reduction.

5. H.A.C.C.P. AND HYGIENE REGULATIONS

- When starting the machine ON, no wash-cycle will be starting until the set boiler and wash-tank temperatures are reached. During operation, the machine will not start the rinse cycle till the set boiler temperature is reached.
- Remove carefully all solids from the objects to be washed, to avoid obstruction of filters, nozzles and piping.
- Drain the wash tank and clean the filters at least twice a day.
- Check if the detergent and rinse-aid dosage are correct (as recommended by the manufacturer). In the morning, before starting the machine, check that the quantity of chemicals in the canisters is enough for daily supply.
- Keep your working tables clean.
- Extract the rack with clean hands or gloves to avoid finger marks.
- Do not dry or polish the washed objects with cloths, brushes or rags that are not sterile.

6. MAINTENANCE

6.1 Routine maintenance

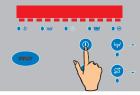
WARNING: The machine is not protected against pressurized water jets. Do not use pressure cleaning system against the machine.

It is recommended to contact the seller of chemicals for proper cleaning instructions, in order to have detailed indications on methods and products for the correct periodical machine sanitation.

Do not use bleach or chlorine based detergents.

Daily cleaning is needed to ensure that the machine runs perfectly. The following shall be carried out:

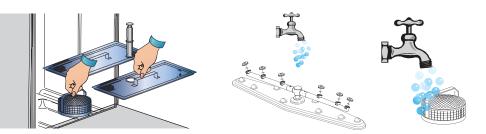
• Turn the machine in STAND-BY mode, by pressing the push-button G of the control panel (see chap. 3).





- Remove the surface filter and clean with a brush and a water shower. Drain the water by removing the overflow pipe.
- For machines equipped with drain pump, follow all indication at par. 3.5 Drain pump system.
- Remove the pump filter and clean with a brush and a water shower.
- Remove the arms by loosening the fixing screws, and thoroughly clean them, and the nozzles under running water.

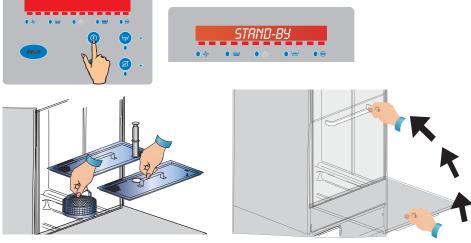




- Reassemble the parts and reposition the wash pipes firmly in place. Take extreme care to re-assemble the nozzles in the right position (open and / or closed nozzles) and that the arms are installed with the right axial angle.
- Clean the tank very carefully, using a water shower.
- It is recommended to leave the machine door open at the end of the day.

Automatic cycle of machine self-cleaning/rinsing: recommended at each day end.

The machine should be in STAND-BY mode. Remove the overflow pipe. Wait the tank to be totally empty and close the door. For machines equipped with drain pump, follow all indication at par. 3.5 Drain pump system.



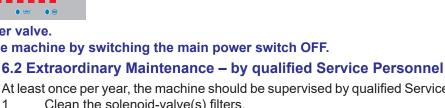
Push START button F; the display M will show SELF-CLEANING.



An automatic cycle of 30 seconds will start, after this the machine will be in **STAND-BY** mode.

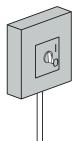


- Shut the water valve.
- Turned off the machine by switching the main power switch OFF.

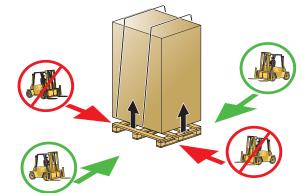




- At least once per year, the machine should be supervised by qualified Service Personnel: Clean the solenoid-valve(s) filters. 1 Remove scale from the heating elements. 2
- Control the status of the seals. 3
- Control for components integrity and/or consumption.
- 4
- Control the dispenser(s) efficiency; 5
- Check the efficiency of the door safety switch. 6
- A qualified electrician, should check all electric connections inside the machine, at least once a year.







7. MACHINE INSTALLATION

7.1 Handling

7.1.1 Handling the product

The machines must be handled strictly as shown in pict. 3 regarding the grip points indicated for lifting with a lift truck.

Latch the machine in a way that secures no vibration or shocks during transportation.

N.B.: Slinging with ropes not recommended.

After unpacking, make sure the appliance has not been damaged due to transportation. If it has been, do notify the seller about this problem. If the damage might question the machine's safety, do not install the appliance.

Double check the 3 firm tightness of all hose-clamps on piping, nuts and bolts, and fasteners, that might come loose with the transport, to prevent water dripping or leakages, or other damages, during the machine's operation. See chapter 9 for disposal of the packing material.

7.1.2 Storage

Storage temperature: min. +4°C - max +50°C - humidity <90%.

The stored parts should be checked periodically, to detect any sign of deterioration.

Do not put anything on the machine, even if packed in its box.

7.2 Prepare for installation

This is just a guide-line for the machine installation.

The installation must be performed by a qualified engineer.

7.2.1 Room features

Install the machine, in a room closed to weather and with a guaranteed temperature-range between 5 and 35°C.

The machine is equipped with thermostatic sensors to manage the temperatures. To guarantee a proper functionality these sensor shall not operate at a room temperature below 5°C.

For this reason, it is fundamental that before starting the machine reaches the room temperature.

7.2.2 Electrical connection - Characteristics

The electrical connection to network shall be carried out in accordance to the local laws in force. Make sure that the supply voltage is the same as reported on the machine plate and that the network can stand the needed power absorption shown on the same plate.



A suitable omni-polar one-way switch shall be installed and sized according to the absorption provided, in order to completely guarantee the disconnection from the supply mains, under "category III" overvoltage conditions.

This switch shall be included in the power network solely and exclusively used for this purpose and installed in the immediate vicinity of the machine. Always turn the machine off via this switch. This is the only model of switch that guarantees a total electrical power disconnection.

Make sure that the facility is equipped with efficient ground connection.



WARNING: check very carefully if the "ground connection" of the machine, is properly sized and fully efficient, and that not too many units are connected on it. An undersized or poor "ground connection" might lead to corrosion and/or pitting effect on the stainless steel plates, even to perforation.



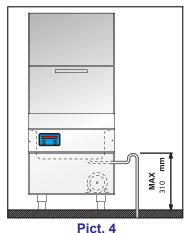
7.2.3 Water supply connection - Characteristics

Fresh water supply features:

CE

Water characteristics table	Min	Max
Static Pressure	200Kpa	400Kpa
Dynamic Pressure*	150Kpa	350Kpa
Water hardness**	2°f	8°f
Cold water-supply temperature***	5°C	50°C
Hot water-supply temperature****	50°C	60°C
Capacity	10lt/min	

Table 1



*Should the water supply pressure be more than 400 kPa, a pressure reducer must be installed (only for those versions where it is not a standard supply, already).

**It is compulsory to install a water-softener, in case of water with average hardness above 8°f. Washed objects will be cleaner and the machine will last much longer.

Note: Any damage caused by limestone (calcareous water higher-up than 8°F and without water-softener) will not be covered by warranty.

A monthly check of the supplied water hardness is highly recommended.

***Machines shall be made with extra power in case of cold water infeed.

****The water supply temperature shall never exceed 55°C.

The drain tube shall always be connected to a siphon in order to prevent the release of odors. Maximum drain height = cm. 31.

7.2.4 Water supply characteristics

The machine water supply must be potable, in compliance with Directive 98/83/EC.

The inlet water must also meet the parameters given in the table 2.

Water parameters table	M	in	Max
Chlorine ¹			2mg/l
pH	6,	5 ¹	8,5 ³
Water hardness			8°f ²⁻³
Iron ³			0,2 mg/l
Manganese ⁴			0,05 mg/l

¹ Out of range values might lead to corrosion and jeopardize the life of the machine.

² Should the water hardness is higher it is compulsory to install a water softner and check periodically its operation.

³ Out of range values might lead scaling and sediments with a consequent lower performance, functionality, and expected life of the machine.

⁴ Desired value: Out of range values might lead stainless steel blackening/tarnishing.

It is recommended a water test once a year.

7.2.5 Steam evacuation

table 2

In accordance with regulations of environmental hygiene, for the proper functioning of the machine and a healthy environment for the operator who working in there, it should be at least 10 air volume changes per hour in the room where the machine is installed.

For small wash rooms we recommend at least 15 air volume changes per hour.

7.3 Installation

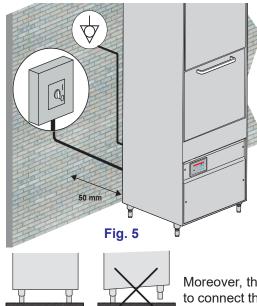


Fig. 6

7.3.1 Positioning the machine

Remove the packing with care.

Lift the machine as described in par. 7.1.1 Handling the product.

Position the machine as shown on the installation diagram (lay-out) approved at the time of the offer.

Maintain a minimum distance of about 50 mm from the walls, so that motors are ventilated (see pict. 5). Install suction hoods to assure proper ventilation of the room, in order to eliminate steam and excessive humidity.

Check that the machine is properly levelled, by adjusting the legs (see pict. 6). Make sure the machine is not standing on the power cable or on the filling/drain hoses. Level the machine flat, by adjusting the support feet.

7.3.2 Electrical connection

The electrical connection shall be carried out in accordance to the local laws in force.

Moreover, the machine has a clamp at the back indicated by the symbol \forall that is meant to connect the metal structure and masses among different apparatuses, to prevent electrostatic electrical shocks.

valid equivalent. The cable size is dimensioned according to the power.

Should the electrical supply cable get damaged it shall be changed by the Manufacturer, or his Authorized Service, or other technician with equivalent qualification, to prevent any risk.

If the machine is fitted with a three-phase pump, check the correct motor rotation (right rotation as per arrow on the casing).

7.3.3 Water connection

Connect the machine draining hose to the connection located under the tank, making sure that the water flows freely (optimizing the slope).

Should not be possible to drain the water at a level lower than the appliance outlet (see pict. 4), it's advisable to choose a machine provided with a drain pump.

The drain tube shall always be connected to a siphon in order to prevent the release of odors.

7.3.4 Start-up

At installation engineer's care.



8. SIGNALS AND ALARMS

When displaying **DETERGENT LEVEL** add detergent in the detergent tank (only with optional "Sensor for Chemicals Low Level").

When displaying **RINSE-AID LEVEL** add rinse-aid chemical in the rinse-aid tank (only with optional "Sensor for Chemicals Low Level").

When displaying **SHUT DOOR** means that the open door does not allow the maneuver tried, or a wash cycle was in progress, when lifting the door.

When displaying **DRAIN WATER IN WASH TANK** means that a full wash-tank does not allow the maneuver tried When displaying **LOAD WATER IN WASH-TANK** means that the wash-tank is empty and does not allow the manoeuvre tried.



TYPE OF ALARM	CAUSE	REMEDIES
B2	BOILER PROBE FAIL.	Contact Technical Service
B3	BOILER HEAT. ALARM	Contact Technical Service
B5	BOILER OVERHEATING	Contact Technical Service
E1	WATER LOAD FAILED	Open the water supply valve and check the overflow pipe
E2	TANK PROBE FAIL.	Contact Technical Service
E3	TANK HEATING ALARM	Contact Technical Service
E5	TANK OVERHEATING	Contact Technical Service
E6	TANK DRAINING FAIL.	Check the overflow pipe. Contact Technical Service

Table 3

9. ENVIRONMENTAL ASPECTS

9.1 Packaging

Packaging is made of the following components:

- a wooden pallet;
 - a nylon sack (LDPE);
 - a multi-layer carton;
 - polystyrene (PS) strips;
 - polypropylene (PP) banding.

All above materials, shall be disposed and treated in accordance with the Local Laws in force.

9.2 Disposal



The symbol WEEE/RAEE used on this product indicates that it cannot be treated as domestic waste. Proper disposal of this product contributes to protecting the environment. For more information on product recycling, contact the local authorities, domestic waste authorities or the dealer where the product was purchased.

For product or parts disposal, follow the Council directives 2011/65/UE and 2012/19/UE as amended and/or application legislative decrees.

The present product or parts cannot be disposed of as urban waste but shall be collected in separate containers (see the waste bin on wheels symbol with an "X" on the product).

At the time of product disposal, the user shall refer to the waste electrical and electronic equipment (WEEE/RAEE) specification.

The manufacturer guarantees the absence of dangerous substances in the EEA used in conformity to the directive 2011/65/UE.

If the user does not comply with the regulations he/she shall be subject to the penalties foreseen by each member state. Disconnect electricity and water before disposal.

Cut away the electrical cable to ensure that further use is impossible.

All metal parts are recyclable as they are made of stainless steel.

Recyclable plastic parts are marked with the plastic material symbol.



10. TROUBLESHOOTING

Type of Problem	Possible Causes	Cure
The machine does not	Main switch not ON.	Turn switch ON.
turn on.		
The machine does not	Water valve shut.	Open the hot and/or cold water valve.
load water.	Rinse area nozzles or solenoid-	Clean the rinse arm nozzles, piping and solenoid-valve filter.
	valve filter blocked and/or scaled	
	with limestone.	
	Defective pressure-switch.	Replace pressure-switch.
The display will flash	See chapter 8 Alarms.	
ALARM		



Type of Problem	Possible Causes	Cure
Washing results are unsatisfactory.	The washing nozzles are obstructed or the rack does not rotate.	Clean the nozzles carefully, and check the right positioning of the wash-arm, tightening firmly.
	Foam is present.	Use no-foam detergents or reduce the dose in use. Check
	Fate or starshap not removed	the rinse-aid dosage.
	Fats or starches not removed. Filters are dirty.	Insufficient detergent concentration. Remove filters, clean with brush under a jet of water and
		replace in original position.
	Check tank temperature (which must be between 55°C and 60°C).	Adjust the thermostat or check correct heating element operation.
	Wash time insufficient for the type of dirt.	Select a longer wash-cycle, if possible, otherwise repeat the wash cycle.
	Wash water is dirty.	Drain the tank water, clean the filters; refill the tank and replace the filters correctly.
Objects are not properly Not enough rinse aid. dried.		Increase dosage by turning the dispenser screw (see par. "Rinse aid dispenser").
	The rack is not suitable for the pots or the tools.	Use the suitable rack which gives the pots and tools an inclined position so that water can rinse away.
		As soon as the cycle stops, remove the rack with pots and
	Rinse temperature under 80°C.	Check the boiler thermostat temperature.
	Surface of objects too rough or porous for material wear.	Replace type of objects used. If the dirt on the objects is dry and old, soak before washing.
Streaks and spots on glasses and dishes.	Too much rinse-aid chemical.	Reduce the rinse aid amount by turning the micrometric dispenser screw (see par. 2.4 "Rinse aid dispenser").
	Too hard water.	Check the water quality. Water must not exceed 5-8 °f in hardness.
The machine suddenly stops during operation.	The machine is connected to an overload device.	Connect the machine on a own overload device (call Service).
	A machine safety device was triggered.	Check the electrical devices (call Service).
The machine stops during the wash stage and starts	The previous day's water was not	Drain the tank totally and refill.
refilling water	Excessive water temperature in tank.	Call Service to check thermostat and pressure-switch.
	Defective pressure switch. Overflow pipe not in place	Check the correct placement of the overflow pipe.
The washing pump doesn't work		Call the Technical Assistance service

N.B.: For any other question, please contact your Service provider. The manufacturer has right to modify any technical characteristics without prior notice.



11. EU DECLARATION

The machine purchased is in compliance with the norms stated in the EU declaration attached to the machine in original. Please find attached below the facsimile of this declaration, with the general data of the machine purchased. For the absorption data refer to the data-plate on the machine.

DICHIARAZIONE DI CONFORMITA' UE EU DECLARATION OF CONFORMITY DÉCLARATION EU DE CONFORMITÉ EU-KONFORMITÄTSERKLÄRUNG DECLARACIÓN EU DE CONFORMIDAD DECLARAÇÃO EU DE CONFORMIDADE



Il sottoscritto (1), autorizzato dall'azienda (2), dichiara che la lavastoviglie elettrica per uso collettivo (3) è stata progettata e costruita in conformità alle norme armonizzate (4) secondo quanto prescritto dalle seguenti direttive e successivi emendamenti (5) e in applicazione a quanto previsto dalle direttive citate, è stata dotata di Marcatura CE e sono stati predisposti i fascicoli tecnici presso la nostra sede (2). Tale dichiarazione riguarda esclusivamente la macchina nello stato in cui è stata immessa sul mercato, escludendo i componenti aggiunti e/o le operazioni effettuate successivamente dall'utente finale. Declina ogni responsabilità per sinistri a persone, a cose o ad animali derivanti da manomissione della macchina da parte di terzi, ovvero da carenze di manutenzione, di riparazione o di installazione della stessa da parte di personale non qualificato.(*)

The undersigned (1), autorized by the company(2), hereby declares that the commercial electric dishwashing machine (3) is in compliance with the harmonised standards (4) according to the following directives and further amendments (5) and pursuant of the above mentioned directives, the CE Marking have been applied. Furthermore, adeguate technical files have been prepared and are available at our offices (2). This declaration relates exclusively to the machinery in the state in which it was placed on the market, and excludes components which are added and/or operations carried out subsequently by the final user. Declines all responsibility for damages to people, properties and animals resulting from bad servicing of the machine by third parties as from inadequate maintenance or repairs or installation by unskilled technicians.

Le soussigné (1), désigné par la societé (2), déclare que le lave-vaisselle électrique à usage collectif (3) est conforme aux normes harmonisées (4) selon les prescriptions et directives suivantes et les amendements successifs (5) et en application des directives citées, il porte le Marquage CE. Les dossiers techniques sont déposés dans notre siège (2). Cette déclaration concerne exclusivement la machine dans l'état dans lequel elle a été mise sur le marché et exclut les composants ajoutés et/ou les opérations effectuées par la suite par l'utilisateur final. Décline toute responsabilité pour tout sinistre à personnes, choses ou animaux résultant de l'endommagement de la machine par un tiers, c'est-à-dire dû à une maintenance, des réparations ou une installation inadéquates effectuées par du personnel non-qualifié.

Der Unterzeichenete (1) berechtigt von der Firma (2), erklärt, daß die elektrischen Spülmaschinen für den gewerblichen Gebrauch (3). In Übereinstimmung mit den harmonisierten Normen ist (4) gemäß folgender Richtlinien und deren nachfolgenden Änderungen (5) und daß in Übereinstimmung mit den erwähnten Richtlinien die CE-Kennzeichnung angebracht wurde und daß die relevanten technischen Unterlagen zusammengestellt wurden (2). Diese Erklärung bezieht sich nur auf die Maschine in dem Zustand, in dem sie in Verkehr gebracht wurde; vom Endnutzer nachträglich angebrachte Teile und/ oder nachträglich vorgenommene Eingriffe bleiben unberücksichtigt. Jede Verantwortung für an Personen, Sachen und Tieren verursachten Schäden, die durch die Manipulation seitens Dritten, beziehungsweise auf mangelhafte Wartung und Reparaturarbeiten oder Installation von unqualifiziertem Personal zurückzuführen sind, werden abgelehnt.

Quien subscribe (1), elegido de la empresa (2), declara que el lavavajilla eléctrico de uso colectivo (3) es conforme a las normas armonizadas (4) como la prescripción de la siguientes directivas y sucesivas enmiendas (5) y, conforme con lo previsto en las citadas directivas, han recibido el Marcado CE. Existe asimismo los especifico expediente técnico relativo disponible en nuestro domicilio (2). Esta declaración se refiere únicamente a las máquinas en el estado en que se comercialicen, con exclusión de los elementos añadidos y/o de las operaciones que realice posteriormente el usuario final. Declina toda responsabilidad por daños a personas, cosas o animales producidos del mal servicio de la máquina por terceras partes asi como por reparaciones o mantenimiento indadecuados o de instalaciones por parte del personal no cualificado.

O abaixo-assinado (1), autorizado pela empresa (2), vem por este meio declarar que a máquina de lavar louça para uso comercial (3) esta de acordo com as normasharmonizadas (4) de acordo com o previsto pelas seguintes diretivas e posteriores alterações (5) a Marcação CE foi aplicada no seguimento das diretivas mencionadas. Os processos técnicos estão preparados e adequados e encontram-se disponíveis na nossa sede (2). Esta declaração diz respeito apenas à máquina tal como se encontra no momento da colocação no mercado, excluindo-se os componentes adicionados e/ou as operações efectuadas posteriormente pelo utilizador final. Declina toda e qualquer responsabilidade por danos causados a pessoas, bens e animais, resultantes do mau manuseamento da máquina por parte de terceiros assim como manutenção incorrecta ou reparações inadequadas ou instalação por pessoal não qualificado.

(*) Lingua originale / Original language / Originalsprache / Langue originale / Idioma original / Idioma original

2)		3)
4) EN 60335-1:2012; EN 60335-2-58:2005; EN 55011:2009; EN55014:2006; EN 61000 3-2:2006; EN 61000 3-3:2008; EN61000 3-11:2000; EN 61000 3-12:2005; EN 61000 4-2:2009; EN61000 4-4:2010; EN 61000 4-5:2006; EN 61000 4-6:2009; EN61000 4-11:2004	5) 2014/30/EU	; 2006/42/EC; 2011/65/EU; 2012/19/EU
1) Preposto/Person in Charge	Original document Dieses Dokument Signé en original e Firmado en origina	le e conservato presso la nostra sede (2). t signed and available at our office (2). : ist im Original unterzeichnet und bei uns aufbewahrt (2). et gardé à notre siège (2). al y conservado en nuestro domicilio (2). e armazenado na nossa sede (2).