

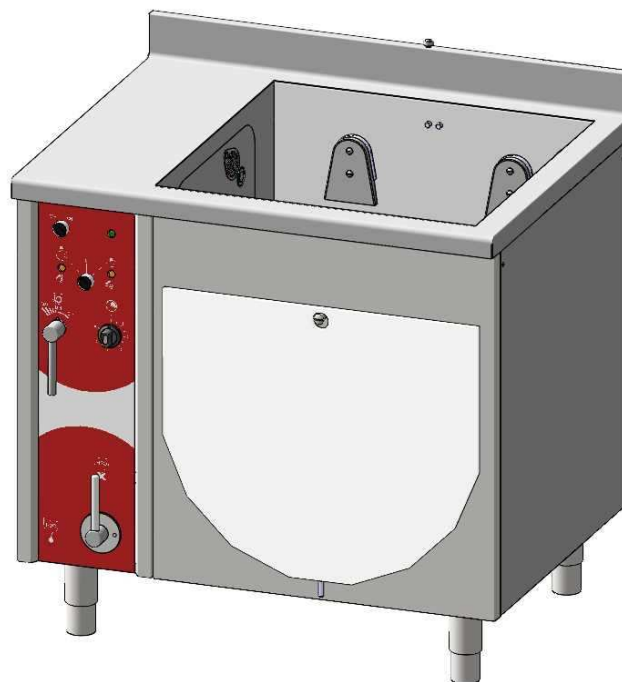
INSTRUCTION MANUAL FOR INSTALLATION, MAINTENANCE AND USE


VEGETABLES WASHER

“Mod. LWD-2”

“Mod. LWD-3”

“Mod. LWD-4”



	MANUALE D'ISTRUZIONE	Codice LWD...
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Storia delle revisioni

Nr. Revis.	Data di revisione	Punto	Natura della correzione	Type of correction	Verbesserungsart	Type de correction	Firma	Visto
00	25/06/2004	Tutti	Prima emissione	First issue	Erste Ausgabe	Première émission	Budel	⌚
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02	05/06/2017	Tutti	MOD.LIBRETTO PER SCARICO MANUALE da matricola 73410/2017				Cadorin	⌚

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1: GENERAL REMINDERS AND NOTES

1.1. General reminders

- Read the warnings container in this manual carefully as they provide important information concerning safety during the installation, use and maintenance of the appliance.
- Keep these instructions carefully!
- Only personnel trained for its specific use should use the equipment.
- Keep the appliance under control during use.
- The appliance should be used only for the purpose for which it has been specifically designed; other uses are improper and hence dangerous.
- During operation surfaces can become hot and require special operation.
- Unplug the appliance in case of failures or improper operation.
- Apply exclusively to a service centre for repairs or maintenance.
- All important information about the appliance required for technical service is contained in the technical data plate (see figure 1).
- In the event of technical assistance being required, the trouble must be described in as much detail as possible, so that a service technician will be able to understand the nature of the problem.
- Gloves should be worn to protect the hands during installation and maintenance operations.

Warning! : Only qualified technicians must perform the installation, maintenance and test of the appliance.

Warning! : Follow the fire prevention regulations very carefully.

Warning! : This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

Warning! : Possibility of slippery floor in the areas adjacent to the appliance.

- Warning! :** When cleaning the appliance never use direct jets of water to prevent infiltration of the liquid and damage to components.
- Warning! :** The appliance must be disconnected from the power supply during cleaning, maintenance and replacement of internal components.
- Warning! :** If the power cable is damaged, it must be replaced by the manufacturer or by its technical assistance service or by a similarly qualified person in order to avoid any risk.

1.2. Technical data

		LWD-2	LWD-3	LWD-4
TECHNICAL DATA (DIMEMSIONS)				
Equipment dim.A	mm	900	1200	1500
Equipment dim.B	mm	700		
Equipment dim.H1	mm	980		
Equipment dim.H	mm	900		
TECHNICAL DATA (FUNCTIONALITY)				
Washing vessel dim.A	mm	600	900	1200
Washing vessel dim.B	mm	590		
Washing vessel depth H	mm	530		
Vat Capacity	lt	150	225	300
Vegetables light/heavy load	kg	6,7 / 27	10 / 40	13 / 53
TECHNICAL DATA (INSTALLATION)				
Electric power	kW	1,1	1,1	1,5
Voltage/Input (standard)**	V	3N/PE AC 400V 50Hz		
IPX	IPX	4	4	4
Cable connection ***	mm²	5 x 1,5	5 x 1,5	5 x 1,5
Water pressure	kPa	50-300		
Cold water inlet	Ø"	3/4"		
Water drain	Ømm	Ø 40		
Sound level	dbA	< 70		
TECHNICAL DATA (STORAGE/MOVEMENT)				
Packaging dim.A	mm	1070	1270	1670
Packaging dim.B	mm	770	770	770
Packaging dim.H	mm	1120	1120	1120
Volume	m³	0,94	1,1	1,45
Net weight	kg	100	125	145
Gross weight	kg	120	150	175

Verify on data plate - *Cable for standard tension

1.3. Construction

- Main structure in steel with 4 adjustable height feet.
- Vat in stainless steel.
- Main switch with voltage control light.
- Automatic charge of the water into the basin, controlled by means of level probe and solenoid valve.
- Water flow control knob.
- Timer to adjust the washing time
- The supplied removable walls permit to subdivide the washing basin into several sections and to wash different types and quantities of vegetable at the same time.

1.4. Laws, technical prescriptions and directives

When installing the appliance it is necessary to follow and comply with the following regulations:

- current regulations on the matter;
- any hygienic-sanitary regulations concerning cooking environments;
- municipal and/or territorial building regulations and fire prevention prescriptions;
- current accident prevention guidelines;
- electricity board regulations concerning safety;
- the regulations of the electrical power supply company or agency;
- any other local prescriptions.

2: POSITIONING, INSTALLATION AND MAINTENANCE

2.1. Positioning

- Remove all the packaging and check that the appliance is in perfect conditions. In case of visible damage, do not connect the appliance and notify the sales point immediately.
- Remove the PVC protection from the panels.
- Dispose of packaging according to regulations. Generally material is divided according to composition and should be delivered to the waste disposal service.
- There are no particular prescriptions regarding side distances from other appliances or walls, however it is advisable to leave enough space in case of maintenance and/or repairs. It is advisable to fit a suitable heat insulation if the appliance is in direct contact with inflammable walls.
- The appliance must stand level. Small differences in level can be eliminated by screwing or unscrewing the adjustable feet. A significantly uneven or sloping stance can affect the operation of the appliance adversely.

2.2. Installation

Warning! : Only qualified technicians must perform the installation, maintenance and test of the appliance.


Warning! : Before connecting any parts of the appliance to supplies, make sure that the latter is equivalent the requirements stated in the technical data plate, if the appliance has been designed for these supplies.

2.2.1. Connection to waterworks

- Water inlet pressure must be between 50 and 500 kPa, otherwise install a pressure regulator on the line before the appliance.
- Install a cut-off valve for each supply on the line before the appliance.
- Water connection to $\frac{3}{4}$ " are fitted in the lower part on the left-hand side of the appliance.
- Make connections according to regulations currently in force.

2.2.2. Electrical connections and equipotential bonding

Warning! : The appliance is supplied to operate according to the power supply indicated on the data plate.

- As mentioned, the appliance must be connected to the power supply by way of a multiple pole main isolating switch and protection device that must be proportioned to the power of the appliance (1mA per kW of rated power).
- The earthing system must be efficient.
- As this appliance is type Y equipment (delivery without power cable and plug), the cable and other hardware needed to make the connection to the electrical power supply must be provided by the installer.
- The power cable shall be of the kind described in the paragraph "*Technical data*" and shall be resistant to oil.
- **To reach the input terminal board, unscrew the fastening screws of the left side panel of the appliance.**
- The cable must be fed in from beneath the clamp. The individual wires are then fastened to the corresponding terminals of the terminal board. The earth wire must be longer than the other wires, so that in the event of the cable being jerked or the clamp broken, the live wires will disconnect first. Lock the cord fastener.
- The appliance must incorporate an equipotential system.
- Connect the terminal on the lower right-hand side marked with the international symbol  a connector with a nominal cross section $<10 \text{ mm}^2$. All the appliances installed and the earth system of the building shall be connected like this.

WARNING! After having filled the tank with water, carry out a washing cycle by turning the knob (6) of the timer and adjust the intensity of the water circulation flow by means of knob (5).

If the intensity of the circulation flow is nearly imperceptible, you need to invert a phase of the connection, as the pump is running in the opposite direction.

3: USE

3.1. Warnings and hints for user

- This manual contains all the instructions required for a proper and safe use of our appliances.

Keep the manual in a safe place for future consultation!

- This appliance is for catering use, hence they must be used only by trained kitchen staff.
- The appliance must always be kept under control during use.

Warning! : The manufacturer shall not be held responsible for injuries or damage due to the non-compliance with safety rules or an improper use of the appliance by the operator.

- Some improper operating conditions may even be caused by an improper use of the appliance, therefore it is important to train personnel properly.
- **All the installation and maintenance operations must be performed by fitters who are members of an official register.**
- In case of failures concerning the appliance, all outputs (electrical and water) must be cut off instantly.
- In case of recurrent failures contact a service technician.

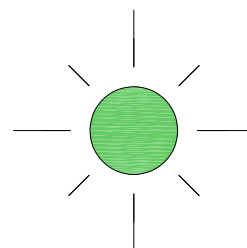
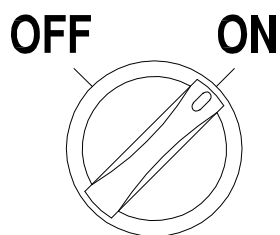
3.2. Instructions for use

- Before starting the appliance for the first time wash the interior of the vat thoroughly.

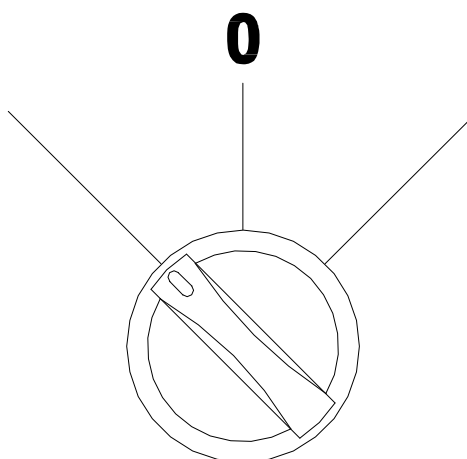
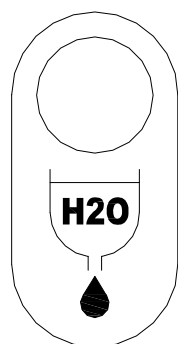
Warning! The supplied removable walls permit to subdivide the washing basin into several sections and to wash different types and quantities of vegetable at the same time.

3.2.1. Preparation

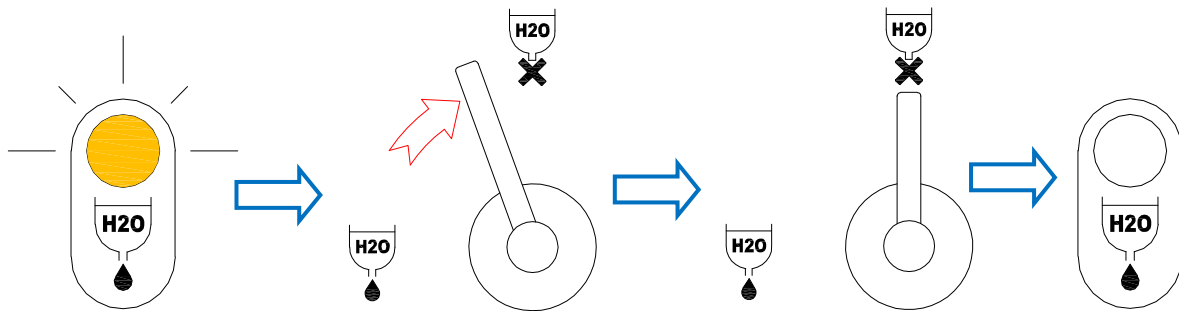
- Turn the main switch **(1)** and set it on position **ON**.
- The green voltage control light **(2)** will automatically switch on.



- Turn selector switch **(3)** anticlockwise; the tank will be automatically filled with water. As soon as the maximum level is reached, the filling will be automatically stopped. During this stage, the water filling can be interrupted by turning the selector switch **(3)** manually on position **0**.



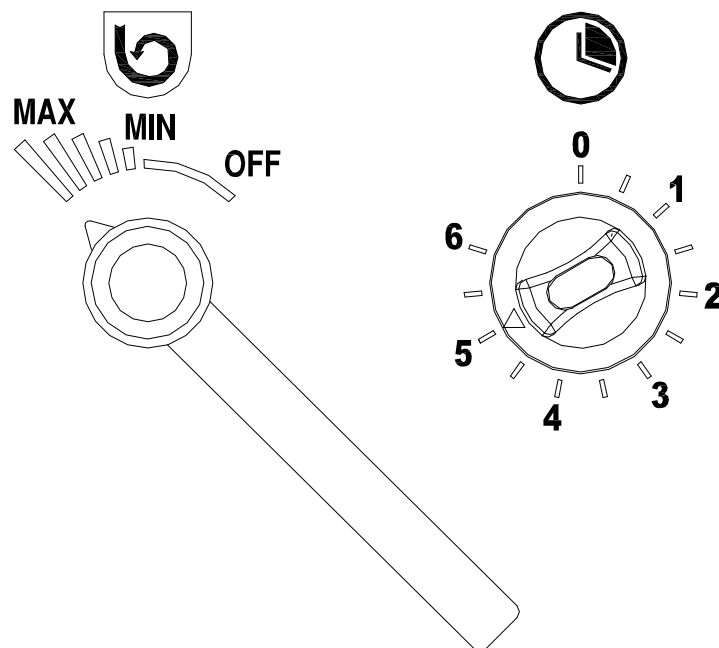
Warning: tank water loading does not start if drain cock is open (indicated by indicator 4)



Turn the tap (8) clockwise up to stop. The indicator (4) goes off and the H2O load is started in the tank .

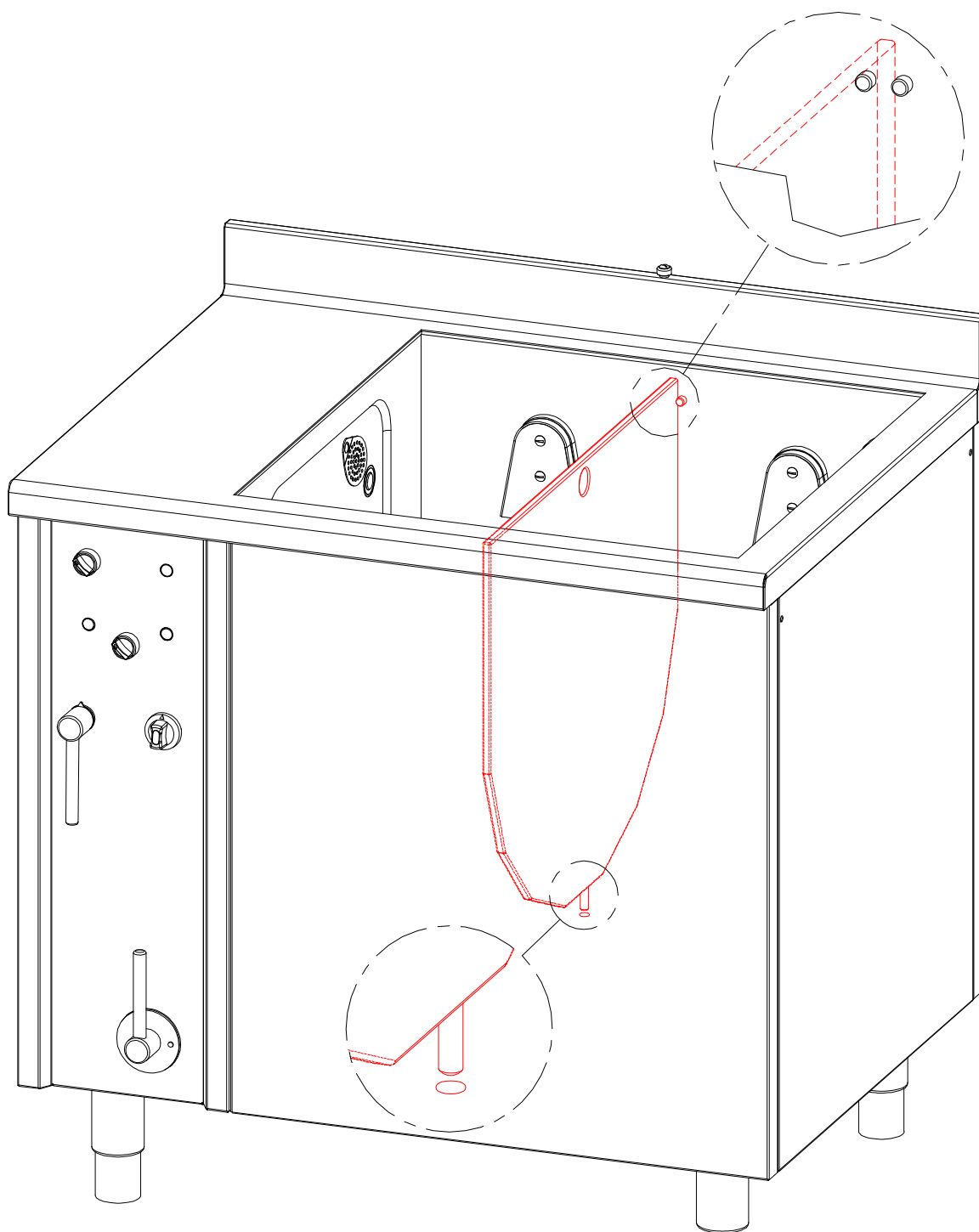
3.2.2. Washing

- Introduce the product you wish to treat in the tank.
- Set the desired time (from 0 to 5 minutes) by turning the knob of the timer (6).
- Adjust the intensity of the water circulation flow by means of knob (5) and adjust the flow intensity according to the quantity and the more or less delicate type of vegetable or fruit.
- When the set time has run out, the washing cycle is automatically interrupted.



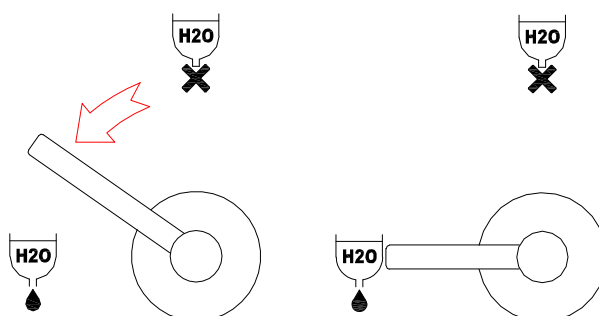
3.2.3. Washing with separators

- If you want to split the washing tank into several compartments, for washing different types of vegetables, you must use the separators supplied with the appliance.
- **Warning:** : When inserting the separators, pay attention to the guide pins on the top of the tank (front and rear), and to the centering pin of the separator entering the corresponding hole (wider than the others) of the false bottom.



3.2.4. Tank discharging

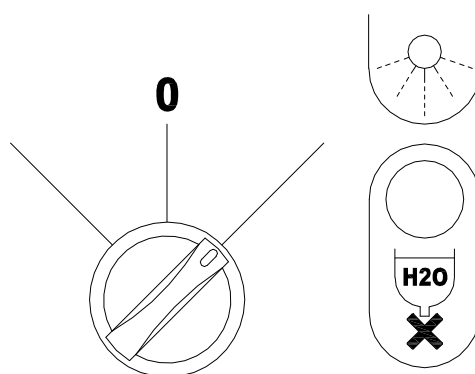
- Turn the exhaust lever (8) counterclockwise to the limit switch



- Once the water has been let out of the tank, you can collect the vegetables.
- For a subsequent washing cycle, proceed by following the above described instructions.

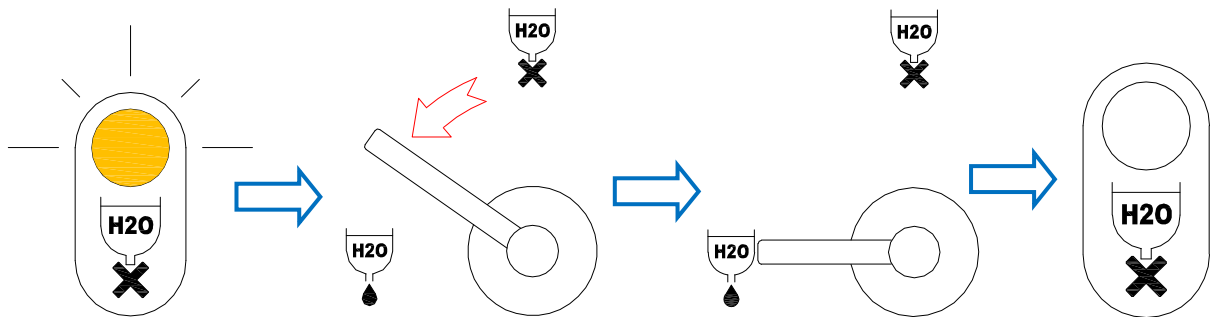
3.2.5. Tank bottom cleaning

- These appliances are equipped with a device that permits an accurate cleaning of the bottom of the tank. This operation is carried out after the first washing of the vegetables (heavy dirt) and the subsequent rinsing of the vegetables.
- In this way, the heavy dirt is eliminated, thus guaranteeing that the following water charge (rinsing cycle) is filled in a clean tank.
- To do this, empty the tank (as described above).
- Turn the selector switch (3) anticlockwise; this operation will automatically activate the tank bottom cleaning function.



- If your wish to interrupt this function, turn selector switch (3) back on position 0.

Warning: The bottom wash does not start if the drain cock is closed (indicated by indicator 5)



Turn the tap (8) counterclockwise up to stop. The indicator (5) goes off and the bottom washing is started.

4: CLEANING

4.1. Cleaning and care of the appliance

- Do not use aggressive substances or abrasive detergents when cleaning the stainless steel components.
- Avoid using metal pads on the steel parts as they may cause rust. For the same reason avoid contact with materials containing iron.
- Do not use sandpaper or abrasive paper for cleaning; in special cases use a powder pumice stone.
- In case of particularly resistant dirt, it is advisable to use abrasive sponges (e.g. Scotch-Brite).

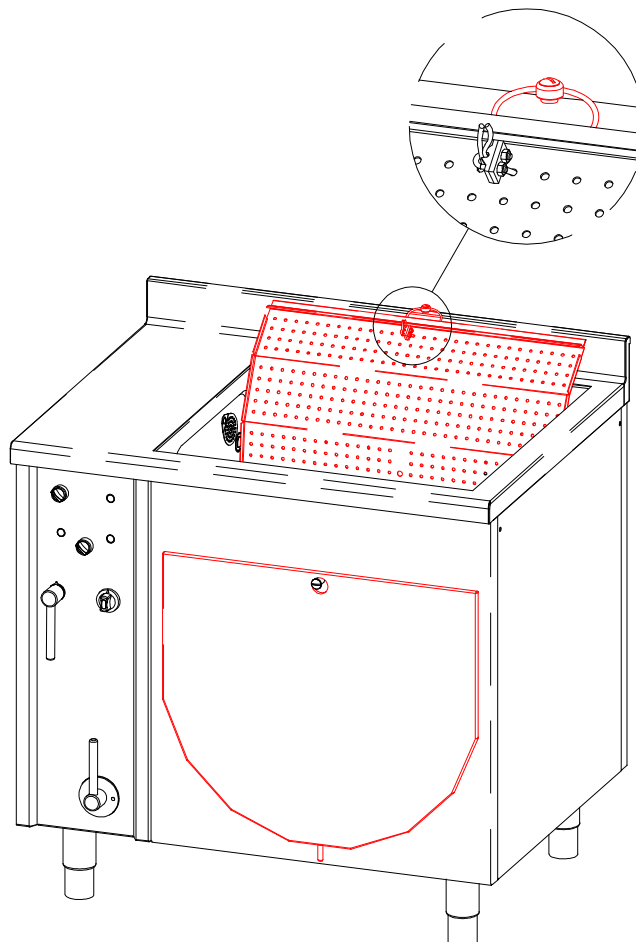
4.1.1. Daily cleaning

Warning! : When cleaning the appliance never use direct jets of water to prevent infiltration of the liquid and damage to components.

Warning! : The appliance must be disconnected from the power supply during cleaning

- Clean the vat with water and a detergent, rinse thoroughly and dry well with a soft cloth.
- External surfaces should be washed down using a sponge, and hot water with a suitable proprietary cleaner addend.
- Rinse always thoroughly and dry with a soft cloth.

To access the tank bottom, remove the separators, rotate the false bottom and lock it with the hook



4.2. Special procedures in case of prolonged inactivity

- If the appliance is to stand idle for any length of time (e.g. holidays or seasonal closing) it must be cleaned thoroughly, leaving not traces of food or dirt.
- For added care after cleaning, the external surfaces can be protected by applying a proprietary metal polish.
- Be absolutely certain to shut off all utilities (electrical and water).
- Air the room appropriately.

4.3. Special procedures in case of failures

- If the appliance should not work properly during use, turn it off immediately and close or cut off all supplies (electrical and water).
- Apply to a service centre for help.

The manufacturer shall not be held responsible nor has any warranty commitments for damage caused by non-compliance with prescriptions or by installation not in conformity with instructions.

The same applies in case of improper use or different application by th operator.

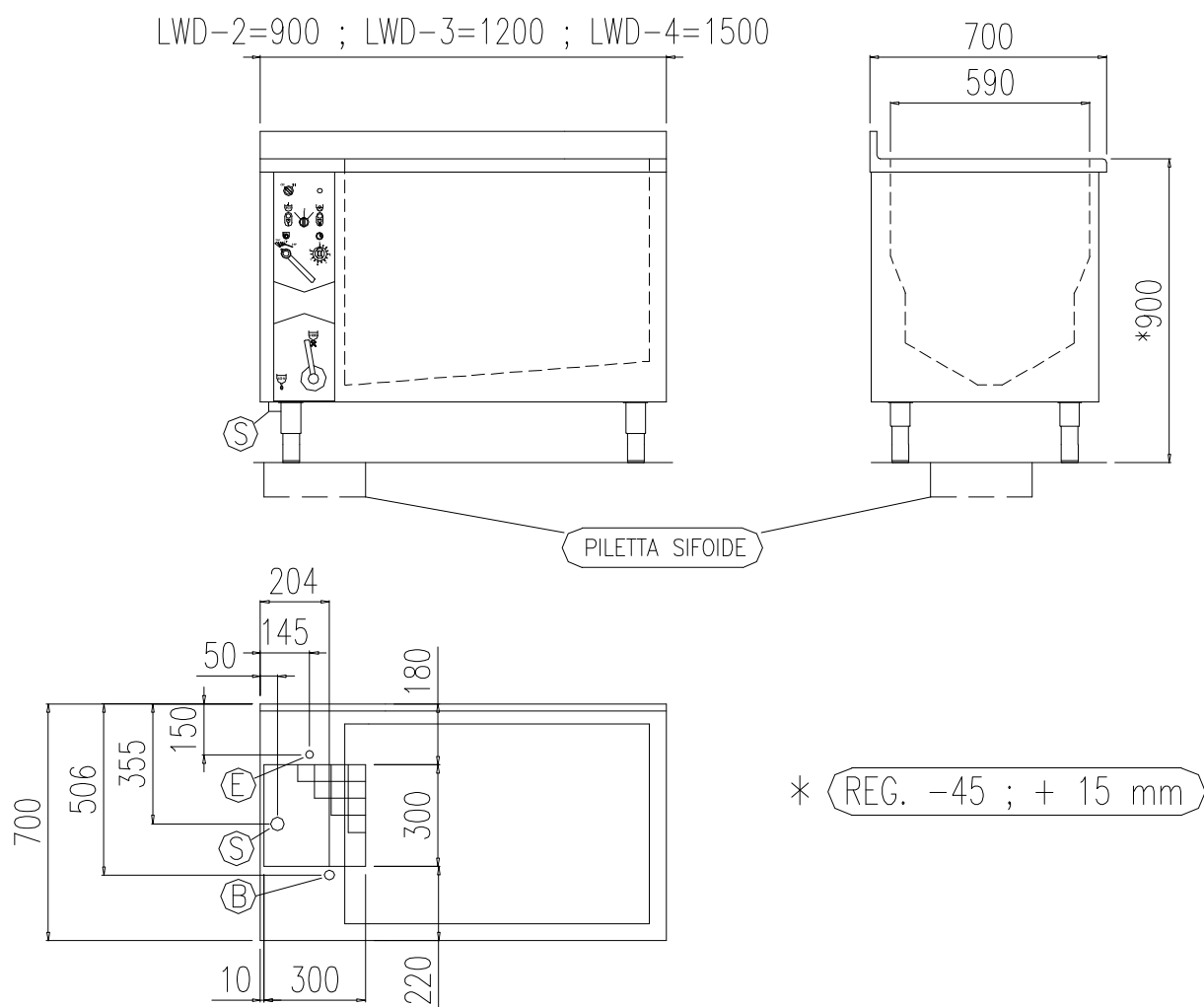
5: FIGURES AND DETAILS

5.1. Size of appliance and position of connections

E = POWER CABLE ENTRANCE 400V 3N+T

B = COLD WATER INLET 3/4"

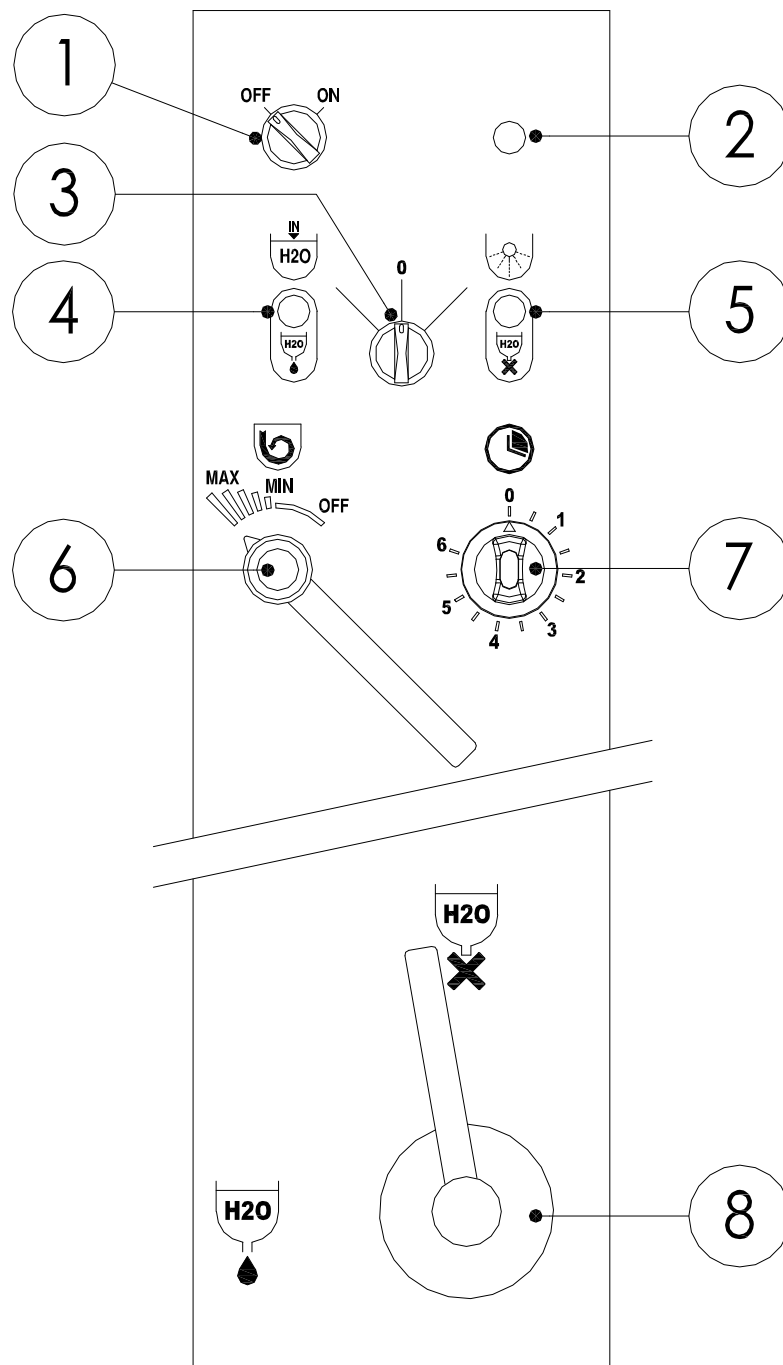
S = OUTLET $\varnothing 40$ (WITH FLOOR DRAIN TRAP 300x300 mm)



5.2. Controls

LEGEND:

1	Main switch	5	Indicator light closed drain
2	Indicator Tension ON	6	Regulator for whirlpool intensity
3	Selector switch automatic charge and bottom cleaning	7	Washing timer
4	Indicator light open drain	8	Tank discharging



DISPOSAL EQUIPMENT

Directives 2002/95/EC, Directive 2002/96/EC and 2003/108CE



The symbol on the **rating plate** indicates that the product at the end of its useful life, **must be collected separately from other waste.**

For the recycling of this equipment at the end of life, contact the supplier of the equipment itself