Operator's Manual

RR210 EVO

Rack Conveyor Washers



Australia Tel: 1300 347 944 | **New Zealand** Tel: 0800 902 054 | **Singapore** Tel: +65 9107 8943

INSTRUCTION MANUAL FOR DISHWASHERS



It is important to keep this instruction manual near the appliance for future consultation.
If the appliance is sold or transferred to another user, make sure this manual remains with the appliance so that the new owner is informed about the warnings and operation of the appliance. These instructions are given for safety reasons and they must be read carefully before installing or using the appliance.

GENERAL INSTRUCTIONS

- The appliance must be connected to water and electrical supplies by qualified tradespersons only and according to local regulations.
- The appliance must be used by adults only. Do not let children play with, or operate this machine.
- Only persons trained to use this dishwasher are permitted to operate it.
- This appliance has been designed to wash food preparation and eating utensils. It has NOT been designed to wash objects soiled with petrol, paint, remnants of steel or iron, corrosive chemical products such as acids, alkalis, or solvents or any item that cannot be immersed in water.
- Do not open the appliance door(s) while the appliance is operating. The appliance has a safety device which stops operation if a door is accidentally opened.
- After using the appliance, isolate the electric and water supply.
- Do not attempt to repair the appliance. Repairs made by unqualified persons may cause further damage and will void warranty.
- Repairs and servicing of this appliance must be carried out by Rhima personnel only.

IMPORTANT CUSTOMER INFORMATION

- To request a service, detergents or rinse additive contact your local Rhima Service centre below:

Australia: **1300 347 944**
New Zealand: **0800 902 054**
Singapore: **+65 9107 8943**

ELECTRICAL INSTALLATION

This appliance must be connected to an earthed 3-phase electrical switched outlet of an appropriate rating.

PLUMBING INSTALLATION

The installation shall be in accordance with T*he Plumbing Code of Australia (PCA)*.

This appliance should be connected to a hot water supply *(Max 65°C)* in accordance with *Australian Standard AS/NZS 3500.1.* for optimum performance.

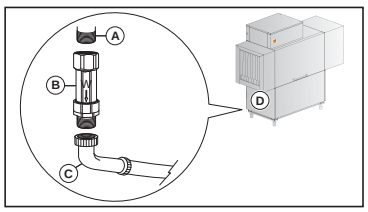
The incoming water supply must be maintained at a minimum dynamic pressure of 200 kPa *(29.0 psi)* and flow rate should be at least 15 litres per minute. Where the supply pressure is below 150 kPa, an installation of a rinse booster pump is recommended to ensure optimum rinse performance. If static pressure is higher than 600 kPa *(87.0 psi)* then a pressure reducing valve will be required upstream of the supply line *(not supplied)*.

Water hardness should not exceed 90 ppm; where this limit is exceeded, a suitably sized water softening system must be installed to prevent scale formation and maintain equipment efficiency. In locations where the incoming water quality contains elevated levels of sediment, chlorine & chlorides, organic contaminants, or other impurities, an installation of a pre-treatment carbon filtration system is recommended to improve water quality and protect the equipment from premature wear or operational issues.
(Any machine failures or damage caused to machine components due to poor water supply will not be covered under warranty)

IMPORTANT: *Backflow prevention*

To comply with the *ABCB (Australian Building Codes Board) WMTS-101 WaterMark Technical Specification*, a suitable *WaterMark-Certified* external backflow prevention device, such as this dual check valve example explained below, MUST be installed:

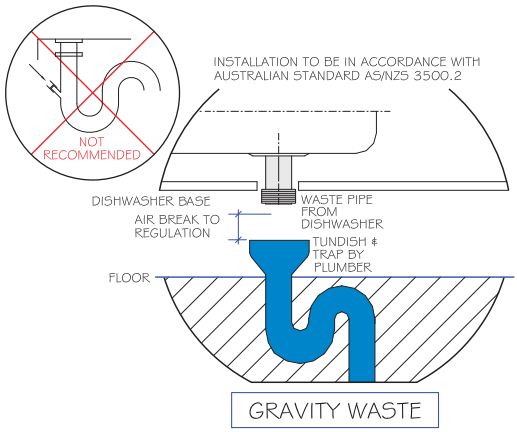
- The installation can be vertical or horizontal.
- Make sure all lines are cleaned of any debris before commissioning.
- Connect to the incoming water supply valve **A** to the dual check valve **B** and then to the inlet hose **C** which connects to the washer **D**.
- Ensure that the dual check valve is installed in the correct flow direction. Refer to flow direction arrow on valve nameplate or body.



This appliance is designed to drain into a tundish or trap.
Waste connection to a spigot is not recommended and will cause draining issues.
The drainpipe should withstand 70°C (158°F) in continuous duty conditions.

The drain hose/pipe must have a fixed watertight seal above the tundish or trap in accordance with the Australian Standard AS/NZS 3500.2.

A DIAGRAM SHOWING THE CORRECT METHOD OF WASTE INSTALLATION IN ACCORDANCE WITH THE AUSTRALIAN STANDARD AS/NZS 3500.2



VENTILATION

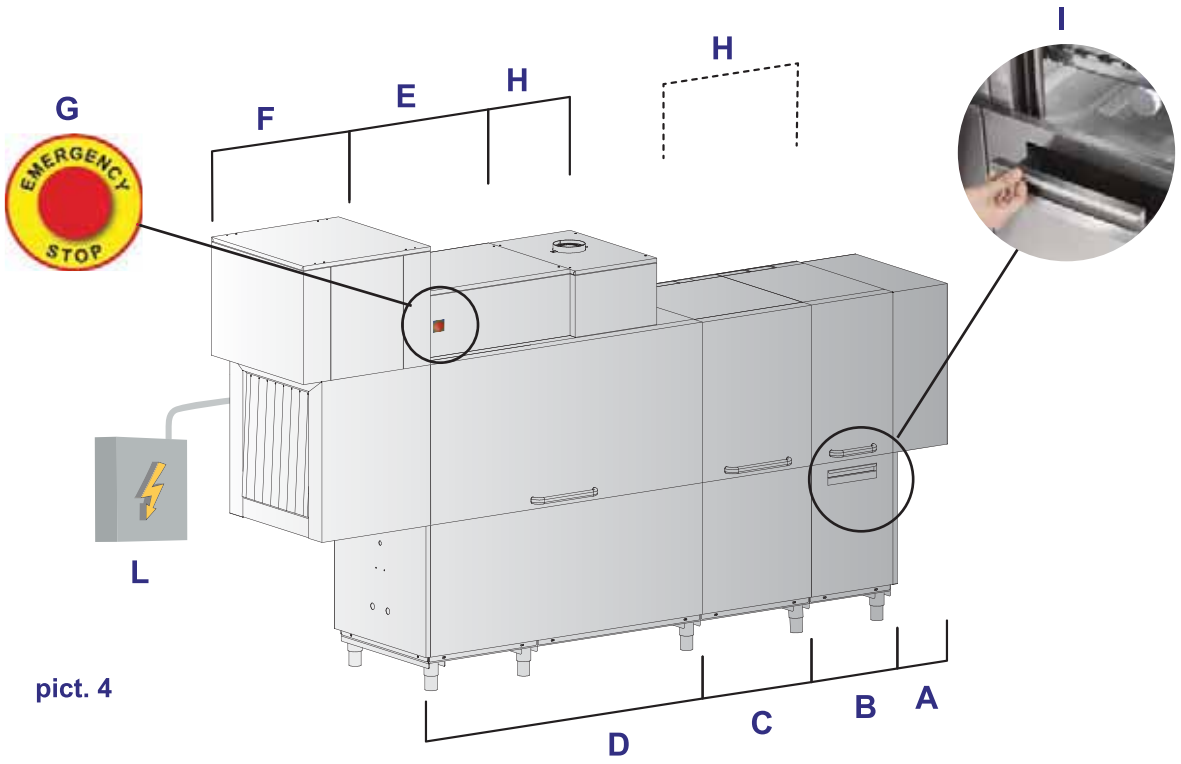
Use extractor fans to guarantee a minimum ventilation of 500 m³/h. Increase the ventilation rate to 1500 m³/h if the machine is equipped with drying system. It is suggested to position the extractor fans close to the machine entry and exit and in correspondence to the heat recovery fans.

MACHINE DESCRIPTION

Description of the machine, its accessories and its guards

Machine description

Refer to annexes for the technical data of the machines.



pict. 4

Example:
MACHINE IN RIGHT EXECUTION

A - SPLASH GUARD
B - PRE-WASH WITH DRAWER STRAINER
C - PRE-WASH
D - WASH + PRE-RINSE + RINSE
E - CONTROL PANEL
F - DRYER
G - EMERGENCY BUTTON
H - HEAT RECOVERY/STEAM CONDENSER/HEAT RECOVERY WITH HEAT PUMP
I - DRAWER STRAINER
L - WALL-MOUNTED CIRCUIT BOARD

Module	Dimension		
	Width	Height	Depth
A - SPLASH GUARD	300 mm	1520 mm	900 mm
B - PRE-WASH WITH DRAWER STRAINER	450 mm		
C - PRE-WASH	600 or 900 mm		
D - WASH + PRE-RINSE + RINSE	1300 mm		
E - CONTROL PANEL	850 mm	1830 mm	
F - DRYER	600 mm (700 mm)	2070 mm	
H - HEAT RECOVERY/STEAM CONDENSER	450 mm o 1300 mm	1860 mm	
H - HEAT RECOVERY WITH HEAT PUMP	1000 mm	2070 mm	

This machine is built with high quality materials in particular AISI 304 stainless steel (AISI 316 for boilers and tanks) and in high thickness to ensure a longer lifetime.

The machine is built in different sections:

Pre-wash module (the presence depends on the model chosen): a preliminary rough washing is carried out with low temperature thermostatically controlled to melt the alimentary residuals and avoid the proteins denaturation.

Wash module: a proper washing of the crockery is performed with temperature thermostatically controlled.

Rinse module: a pre-rinse is performed that removes most of the detergent, then a final rinse is performed with high temperature thermostatically controlled.

Available options

Pre-wash with drawer strainer B:
Low temperature pre-wash module equipped with drawer strainer **I**.
The filter collects the food residuals and it can easily be removed and cleaned during the operation thanks to the drawer, without opening the doors, removing the baskets and getting in touch with the washing solution.
If the drawer is extracted during the washing, the machine stops the conveyor, the rinse and the module pump to allow the filter cleaning.
The wash pumps keep working.
The machine restart the operation as the drawer is repositioned.
Make sure that during the operation the filter is clean and correctly positioned.

Dryer F:
It conveys hot and dry air that creates the ideal conditions for the rinse aid action.

Heat recovery H:
The goal is the recovery of the steam heat exiting the machine that otherwise would be dispersed, and use it to pre-heat the water entering the boiler.
The machine must have a cold water supply for the rinse.

Heat recovery with heat pump H:
The goal is the recovery of the steam heat exiting the machine that otherwise would be dispersed, and use it to pre-heat the water entering the boiler.
It exploits a heat pump to further increase the water temperature entering the boiler.
The machine must have a cold water supply for the rinse.

WARNING: If the machine is equipped with the optional Heat Recovery with heat pump a timer stops the machine if in **START** mode but not operating at the moment.

It can happen in three cases:
1. The machine is working in vain (it is in operation but it is not used).
2. The machine is in operation but a baskets accumulation exiting the machine causes the limit switch SQ1 to trip (F1).
3. The machine is in operation with the drawer **I** open.

In these cases, the timer set by default at 300 seconds trips. When the time is over the energetic saving mode turns on.

By inserting a basket, clearing the exit or closing the drawer the machine restarts automatically to operate.



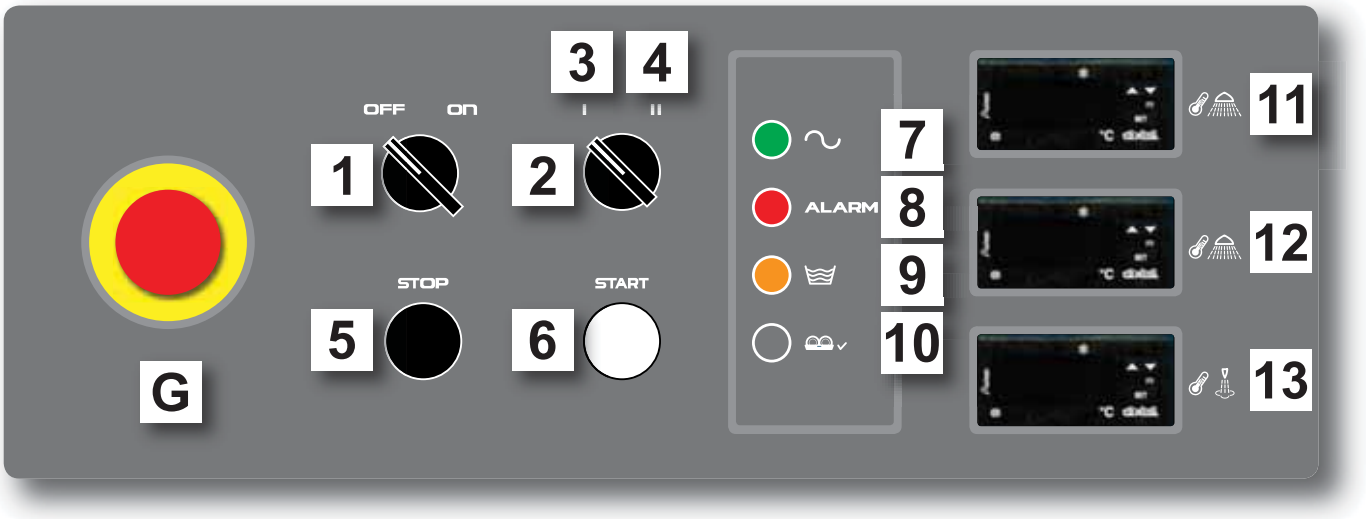
WARNING: Heat Recovery system and Steam Condenser - installation (optional)

It is strictly forbidden to connect the machine's vent directly with the outdoor!

Cold weather conditions might seriously damage the Thermal Recovery system or the Steam Condenser.

Pressure Increase Pump:
It allows a proper machine operation when the feeding water pressure of the machine is lower than 200 kPa.

CONTROL PANEL AND RELATED SYMBOLS



G: Emergency button
1: **ON / OFF** switch
2: **I** and **II** speed selector
3: Low speed
4: Fast speed
5: **STOP** key
6: **START** key
7: Power light
8: Alarm light: with red light check the emergency button or contact the Rhima Service Department.
9: Full tank light
10:Clear inlet for basket: when lit it is possible to introduce the basket - for models with pre-wash on corner only
11:Pre-wash thermostat: a 45°C pre-wash temperature setting, recommended - if present the modul
12:Wash thermostat: a 55°C wash temperature setting, recommended
13:Rinse thermostat: a 85°C rinse temperature setting, recommended

FUNCTIONING OF THE MACHINE

Machine start-up

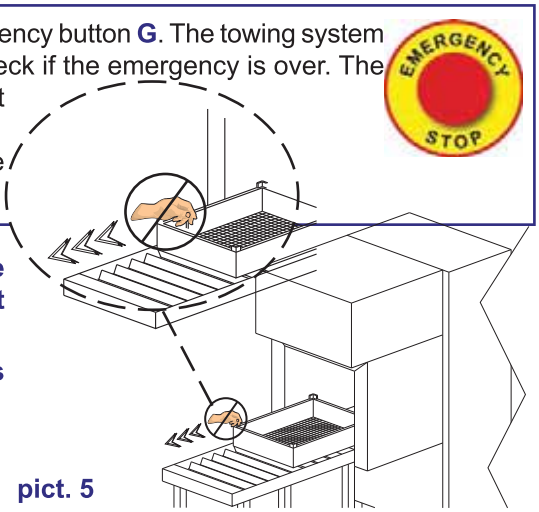
- Check that the overflow pipes are correctly inserted.
- Turn on the wall-mounted main switch **L.**
- Open the water supply valves.
- Turn on the machine using the selector **1**. The light **7** switches on.
- Wait for the filling operations to be completed.
  Once filling of all the tanks is finished, the light **9** switches on and the heating of the machine starts.
- To ensure a proper washing, start the operations after the set temperatures in the thermostats are reached**.**

Washing

- To set the desired working speed, use the selector **2** to set a suitable speed for the type of work to be carried out.
  There are two possible settings:
  I low speed
  II fast speed
- If the machine is not equipped with an automatic chemicals dispenser, manually introduce the detergent in the wash tank. Carefully follow the instructions of the product manufacturer considering the water hardness.
  (see chap. **DETERGENTS**).
- Press **START 6** button to start the conveyor movement.
- Carry out the cleaning off.
  Place the baskets on the conveyor (see paragraph **Dishes and cutlery loading** - pict. 6 - 7).
  Push the basket inside the splash guard **A** until the hooking with the towing system.
  The washing sequence is the following:
  ►Automatic shower (**B** - if there is the optional module) equipped with filter that can be periodically cleaned by extracting the drawer **I**.
  ►Low temperature pre-wash (**C** - if there is).
  ►Thermostatically controlled temperature wash **D**, followed by a pre-rinse
  ►Final rinse **D** carried out with clean water coming from the hydric network and thermostatically controlled and eventually rinse aid.
  ►Drying (**F** - if there is the optional module).
  ►Baskets exit zone equipped with roller conveyor and limit switch.
- Push the **STOP 5**, button to stop the operation.

N.B.: It is recommended to change the tank's water by new filling, when very dirty or, at least, twice a day.

WARNING: In case a dangerous situation occurs, push the emergency button **G**. The towing system and the absorptions turn off. Before restarting the appliance, check if the emergency is over. The emergency button rearmament does not start the machine but it position the appliance in stand-by.
The emergency button does not have to be used as usual machine switch off system.



It is forbidden to remove the basket from the machine before it has come out of the tunnel and to insert hands or arms inside the machine when it is in movement (see pict. 5).

Note: Always turn the machine off before inserting your hands or arms inside the tunnel.

pict. 5

End washing operations

- Press **STOP 5** key**.**
- Use the selector **ON/OFF 1**.
- Drain the tanks.
  Open the doors and remove filters and overflows.
- Turn off the wall-mounted main switch **L**.
- Shut the water supply valve(s).
- Start the cleaning of the machine (see chap. **MAINTENANCE**).

Dishes and cutlery loading

Before loading the dishes it is necessary to carry out a proper cleaning off of the food residuals.

It is not necessary to rinse the dishes with water before the loading.

WARNING: Do not wash items contaminated by petrol, paint, pieces of steel or iron, ash, sand, wax, lubricating grease. These substances damage the machine. Do not wash fragile items or made of material that do not stand the washing process.

Follow these tips:

- Crockery and cutlery must not lie inside one another, covering each other.
- Place the dishes so that all the surfaces can be reached by the water; otherwise the dishes cannot be washed properly.
- Make sure that the dishes are placed in a stable position and that the empty containers (cups, glasses, bowls, etc.) do not turn upside down.
- Place all the empty containers like cups, glasses, etc., **upside down.**
- Place in tilted position the dishes with deep hollows, so that the water can drain.
- Make sure that the smaller dishes do not fall from the baskets.
- Check that the dishes are not too tall or protruding.
- Do not wash trays horizontally.

Some food, like carrots, tomatoes, ketchup, may contain natural colorant substances that may alter the dishes and plastic parts if they are in large quantity.

The eventual color alteration does not mean that the plastic is not thermo-resistant.

Dishes to not wash in a dishwasher

Dishes not suitable to be washed in a dishwasher:

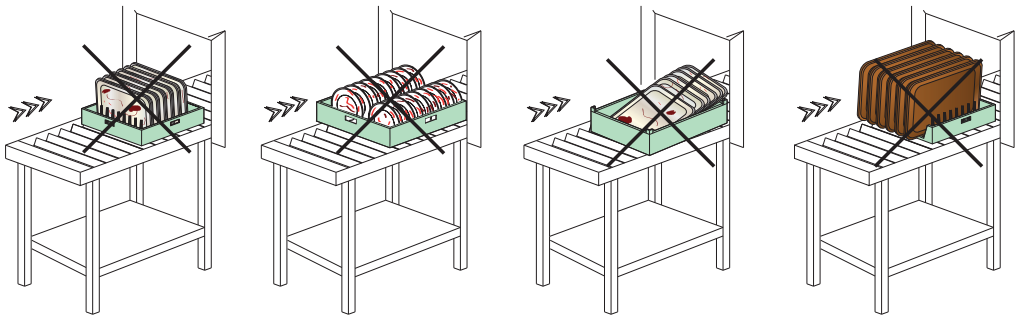
- Wooden crockery and cutlery or with wooden parts; wood wraps and loses its characteristics if it is exposed to high temperatures. In addition the glues used are not suitable for dishwashers; a consequence may be the handles detachment.
- Hand-made objects, valued vases or decorated glasses.
- Plastic dishes not thermo-resistant.
- Copper, brass, pewter or aluminum objects can discolor or become opaque.
- The decorations on glass can lose sparkle after a certain number of washes.
- Fragile glass or crystal objects can become opaque if washed many times.

It is suggested to purchase only crockery and cutlery suitable for washing in dishwashers.

Glasses can become opaque after many washes.

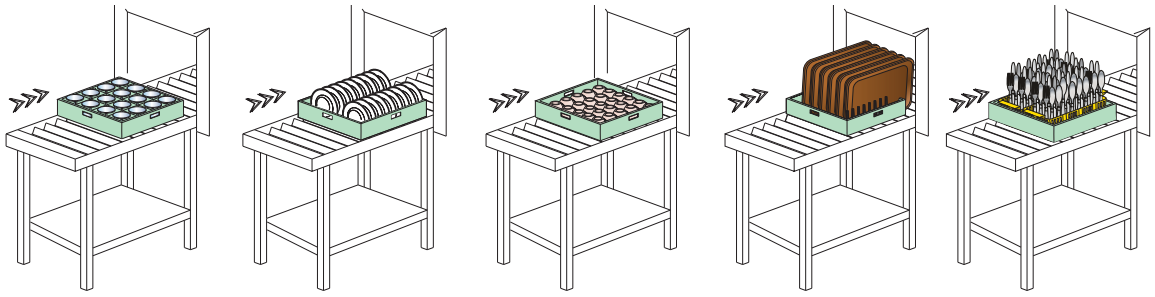
If after the washing the dishes are not clean or they have washing residuals (glasses, cups, bowls, etc., with liquid on the inside) it is mandatory to repeat the procedure.

NO →



pict. 6

YES →



pict. 7

WARNINGS:

- Do not slam the doors when opening and closing.
- Do not put material or objects on the machine.
- The water used for the washing and the rinsing is not potable because of the presence of chemical additives. In case of contact with skin or eyes wash them immediately with plenty of water and check the safety instructions of the detergent manufacturer. If necessary, contact a doctor.
- Some important rules must be followed for the use of 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).**
- In case an obstacle stops the towing, first switch off the wall-mounted main switch and then remove the cause of the block.

WARNING: INTERNAL CLEANING OF THE MACHINE SHALL BE CARRIED OUT AT LEAST 10 MINUTES AFTER IT 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.

WARNING: DO NOT TOUCH THE CONVEYOR WHILE IT IS WORKING.

DETERGENTS

Using detergent

The detergent must be of good quality, of NON-FOAMING type, specific for the mechanical washing of dishes.
The use of liquid detergents is recommended.
The dosing has to be done following the recommendations of the detergent manufacturer and in accordance with the water and dishes characteristics.
The detergent has to be inserted only in the wash tank 1. For manual dosing remember that the wash tank contains about 85 litres of water.

Note: It is forbidden to use detergents with chlorine-based reagents.

Using rinse aid

It is possible to use the rinse aid to get quicker drying and polishing.

The dosing has to be done following the recommendations of the rinse aid manufacturer and in accordance with the water characteristics.
Note: too much chemicals produces foam that reduces the effectiveness and lifetime of the washing pump.
Too much chemicals might leave residuals on the dishes.

AIRBORNE NOISE EMISSIONS

The machine has an average sound pressure between 70dB(A) and 80dB(A) depending on its configuration.

Machine with one tank without dryer optional	70dB(A)±2.5 dB(A)
Machine with two tanks without dryer optional	71dB(A)±2.5 dB(A)
Machine with dryer optional	74dB(A)±2.5 dB(A)

OBSERVANCE OF THE RULES OF HYGIENE AND H.A.C.C.P.

In order to meet the correct H.A.C.C.P. procedures remember to prepare a sheet with tables where the shift operator enters the date and time the washing starts, the time the washing ends, the tanks and boilers temperatures and any other note/alarms that have tripped and what he/she has done to ensure sanitary safety.

This is the reason why the machine is equipped with:

- Temperature gauges that indicate the boiler and tank temperature.
- Malfunctioning gauges.
- Possibility to consult the washing parameters.

MAINTENANCE

WARNING: The machine is not protected against pressure water jets, therefore avoid the use of this type of cleaning system on the cabinet.

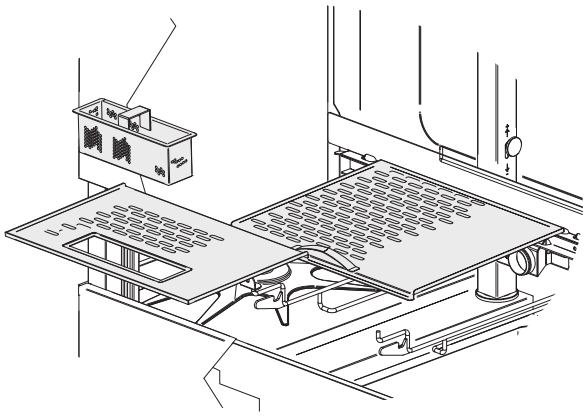
It is also suggested to contact cleaning product dealers for detailed information about methods and products for a periodical sanitizing of the machine.

Do not use bleach or chlorine-based detergents to clean the machine.

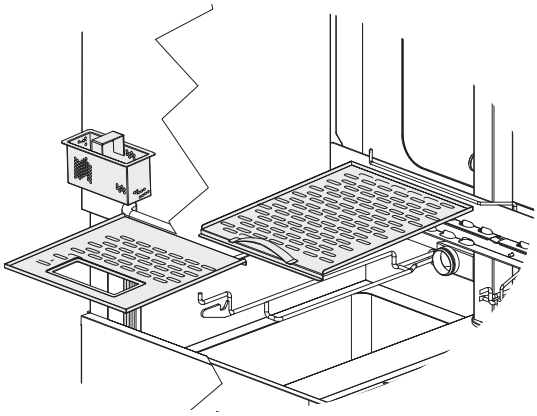
Routine maintenance

The perfect operation of the machine **depends on a careful cleaning that is necessary at least once a day** with the following procedure:

- Turn off the machine as explained in the par. **End washing operations**.
- If the machine is equipped with Heat Recovery with the heat pump clean the extractable filter (see pict. 10).
- With empty tank, extract the filters of the tanks and the pumps (see pict. 8 - 9). Be careful that the washing residuals in the filters do not fall in the tanks. Clean the filters with a rigid brush underneath a powerful water jet.



pict. 8



pict. 9

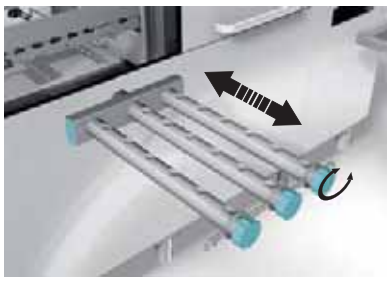
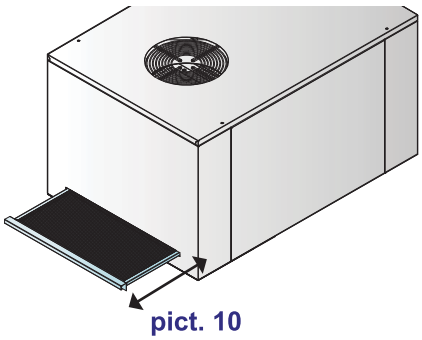


photo 1

• Extract the wash (see photo 1) and the rinse arms and carefully clean the nozzles and the dome filters of the rinse nozzles underneath running water.
• Carefully clean the tanks avoiding the use of chlorine-based detergents.
• Clean the shutters (long on the outside, short on the inside).
• Clean the entry and exit shelves.
• If the machine is equipped with pre-wash with drawer strainer, extract the drawer and clean it (see photo 2).
• Reassemble all the parts and replace the arms in their seats.
• It is suggested to leave the doors of the machine open at the end of the day.

Do not use a metal scouring pad and/or corrosive products to clean the dishwasher.

Do not use pressure cleaning systems.



pict. 10



photo 2

Extraordinary Maintenance – by qualified Service Personnel only

Once or twice per year, the machine should be checked by qualified Service Personnel:

- Remove scaling from the heating elements
- Check the status and the tightness of all gaskets
- Check the perfect state and/or wear of the components
- Check the efficiency of the dispensers
- Tighten firmly all electrical connections at least once per year
- Clean the intake filter of the solenoid valve
- Check the state of the safety devices of the doors/boilers, limit switches
- Check the calibration of the clutch.

Pay attention to do not wet the motor or any electric part. Perform maintenance with the wall-mounted main switch turned OFF.

Extraordinary Maintenance - Heat Recovery with heat pump optional

Every two months the Heat Recovery should be checked by qualified Service Personnel to:

- Clean the finned exchangers inside the Heat Recovery.
- Check the heat pump's flow is properly charged.

Extraordinary Maintenance - Heat Recovery

Every three months the Heat Recovery should be checked by qualified Service Personnel to:

- Clean the finned exchanger inside the Heat Recovery.

Extraordinary Maintenance - Pressure Increase Pump option

After long periods of inactivity of the dishwasher, check that the supplementary pressure increase pump freely rotate.



ENVIRONMENTAL ASPECTS

Packing

The packing consists of the following:

- a wooden crate;
- extensible belt in nylon (LDPE);
- polystyrene foam (PS).

Please dispose of the materials listed above, according to the current regulations.

Disposal



fig. 11

The symbol WEEE 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 shop where the product was purchased.
For product or part disposal, follow the Council directives 2011/65/EU and 2012/19/EU as amended and/or application legislative decrees.
The present product or parts can not be disposed of as urban waste but shall be collected in separate containers (see the waste bin on wheels symbol - pict. 11 - with an "X" on the product).
At the time of product disposal, the user shall refer to the waste electrical and electronic equipment (WEEE) specification.
The manufacturer guarantees the absence of dangerous substances in the EEA used in conformity to the directive 2011/65/EU.
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 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.



ECOLOGICAL ASPECTS

Recommendations for optimum use of energy, water and additives

If possible, use the machine at full load: This will avoid wasting detergent, rinse aid, water and energy.

Detergents and rinse aids: Use detergents and rinse aids having the highest biodegradability so that the environment is better respected. Have the correct dosage according to the water hardness checked at least once a year. An excess of product pollutes rivers and seas, whereas an insufficient amount compromises dish washing and/or hygiene.

Tank and boiler temperatures: The temperatures of the tank and boiler are set by the manufacturer so as to get the best washing results with the majority of detergents on the market. These can be reset by the installer according to the detergent used.

Cleaning off: Carefully clean off the kitchenware using water at ambient temperature with moderation so as to make removal of animal fats easier. To remove encrusted matter, soaking in hot water is recommended.

Notes: Wash the objects as soon as possible in order to prevent the deposits from drying and jeopardizing the effectiveness of the washing. To get an efficient wash, it is advisable to regularly clean and maintain the dishwasher.
(see chap. **MAINTENANCE**).

Non-compliance with the above points and all the information described in this manual could determine a waste of energy, water and detergent, with consequent increase in operating costs and/or decrease in performance.



MACHINE PROBLEMS, CAUSES AND CURES

Type of problem	Possible causes	Cure
The machine does not start	Main switch turned off	Turn on the main switch
	Card transformer fuse blown	Contact Rhima Service Department to replace the fuse
The machine does not load water	Water supply valve closed	Open the water supply valve
	Shortage of supply water pressure	Turn off and turn back on when the pressure increases or install a booster pump
	Solenoid valve filter clogged with sand	Contact the Rhima Service Department to clean the filter
Inadequate washing results	The washing nozzles are clogged	Clean the nozzles and correctly reposition the arms in the proper seats
	Detergent concentration too low	Change the dosage of detergent
	Filters too dirty	Remove and clean the filters with a brush under a jet of water, then replace them in their seats
	Presence of foam	Always use a non-foaming detergent. Check the detergent and rinse aid dosages and reduce them if necessary.
	Check the tank temperature	Adjust the temperature set for the washing. Contact the Rhima Service Department to check the correct operation of the heating element
	Washing duration not sufficient for the type of dirty	Select the lowest speed or repeat the washing cycle
	Washing water too dirty	Drain the water of the tanks, clean the filters. Reload the tank and replace the filters properly
The objects are not dried properly	Insufficient rinse aid dosage	Check the dosage of rinse aid and increase it if necessary
	Baskets unsuitable for the objects	Use a basket suitable for the objects
	Rinse water temperature too low	Check the temperature of the water entering the system
Streaks or smears on the objects	Rinse aid concentration too high	Always use a non-foaming detergent. Check the detergent and rinse aid dosages and reduce them if necessary.
	Water too hard	Check the water quality. The water hardness must not be higher than 8°f
During the operation the machine suddenly stops	The machine is connected to an overloaded system	Contact the Rhima Service Department to connect the machine separately
	A machine safety device tripped	Contact the Rhima Service Department to check the security devices
During the washing phase the machine stops and replenishes the water	The water of the previous day has not been changed	Empty the tank and carry out a new filling
	Faulty pressure switch	Contact the Rhima Service Department
	Overflow/drain pipe positioned incorrectly	Remove and correctly reposition the overflow/drain pipe.
	A tank emptied due to excess of foam or lack of curtains/splash guards	Reduce the concentration of rinse aid/detergent or correctly reposition the curtains or the other guards that may have been removed
	Wash arms incorrectly positioned	Check and correctly reposition the wash arms
Alarm red light **8** switches on	Thermal safety intervention	Contact the Rhima Service Department

Type of problem	Possible causes	Cure
The machine does not wash and the pump is noisy on machines with three-phase pump	The pump direction is inverted due to incorrect connection of the power supply cable	Contact the Rhima Service Department.
	The level of water inside the tank is too low	Remove and correctly replace the overflow/drain pipe
		Correctly reposition the curtains or the other guards that may have been removed
		Check and correctly reposition the wash arms
		If the level of water continues to fall, contact the Rhima Service Department.
	The suction of the pump is clogged	Check if the suction filters of the pump (placed in the tanks) are clogged. If the problem persists contact the Rhima Service Department.

OPTIONALS PROBLEMS, CAUSES AND CURES

Heat recovery with heat pump

Type of problem	Possible causes	Cure
Compressor attach/detach	Safety pressure switches intervention	Contact the Rhima Service Department.
	Water temperature supply too high	Verify the water temperature supply
	Water capacity not sufficient	Verify the static pressure
	Dirty steam coil	Clean the filter. Should the alarm persists, please contact the Rhima Service Department to clean the Heat Recovery
Low boiler temperature	Dirty steam coil	Clean the filter. Should the alarm persists, please contact the Rhima Service Department to clean the Heat Recovery
	Heat pump has lost gas	Contact the Rhima Service Department
	The Heat Recovery has been switched **OFF** and then switched **ON**	Wait a couple of minutes to restart the compressor and that the boiler temperature is restored
	Safety pressure switches intervention	Contact the Rhima Service Department
The objects are not dried properly	Insufficient rinse aid dosage	Verify the rinse aid dosage and increase it, if needed
	The basket is not suitable to the objects	Use basket suitable for the objects
	Dirty steam coil	Clean the filter. Should the alarm persists, please contact the Rhima Service Department to clean the Heat Recovery unit.
	Heat pump has lost gas	Contact the Rhima Service Department
Alarm red light **8** flashes	Dirty steam coil	Clean the filter. Should the alarm persists, please contact the Rhima Service Department to clean the Heat Recovery unit.
Alarm red light **8** switches on	Heat pump alarm	Contact the Rhima Service Department

Heat recovery

Type of problem	Possible causes	Cure
Low boiler temperature	Dirty steam coil	Should the alarm persists, please contact the Rhima Service Department to clean the Heat Recovery
	The ventilation motor is damaged	Contact the Rhima Service Department
The objects are not dried properly	Insufficient rinse aid dosage	Verify the rinse aid dosage and increase it, if needed
	The basket is not suitable to the objects	Use basket suitable for the objects
	Dirty steam coil	Should the alarm persists, please contact the Rhima Service Department to clean the Heat Recovery

Dryer

Type of problem	Possible causes	Cure
The objects are not dried properly	Cold air is emitted	Contact the Rhima Service Department
	The fan direction is inverted due to incorrect power cable connection	Contact the Rhima Service Department

Pressure increase pump

Type of problem	Possible causes	Cure
Inadequate washing results	The machine doesn't rinse	Contact the Rhima Service Department

Break Tank

Type of problem	Possible causes	Cure
Inadequate washing results	The machine doesn't rinse	Contact the Rhima Service Department
	Water capacity not sufficient	Verify the static pressure

N.B.: For any other problems, contact the Rhima Service Department.
The Manufacturer reserves the right to modify the technical characteristics without prior notice

Australia Tel: 1300 347 944
New Zealand Tel: 0800 902 054
Singapore Tel: +65 9107 8943

Version 1.1

DETERGENTS

To request detergents or rinse additive contact your local Rhima Service centre below:

Australia: **1300 347 944**
New Zealand: **0800 902 054**
Singapore: **+65 9107 8943**



Superwash

10L Drum







