



Operator's Manual

VU-35/VU-40/VU-45/VU-50 Underbench Dishwashers
VH-50 Hood Dishwashers



INSTRUCTION MANUAL FOR DISHWASHERS

GENERAL INSTRUCTIONS



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 ready carefully before installing or using the appliance.

- The appliance must be connected to water and electric supply 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 or lift hood while the appliance is operating. The appliance has a safety device which stops operation if the door or hood 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.
- Repairs and servicing of this appliance must be carried out by Rhima personnel only.

IMPORTANT CUSTOMER INFORMATION

- In the event of machine malfunction please refer to the self diagnostic guide on page 7.
- 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**

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Read the instruction manual carefully before starting the machine. The warnings contained in the manual provide important information on safety and installation, use and maintenance. Failure to observe the instructions in the enclosed documentation may compromise the safety of the appliance and immediately voids the warranty.

RISKS AND IMPORTANT WARNINGS

- The machine must **NOT** be kept powered up when not in use or when cleaning.
- **NEVER** use the machine to wash objects of any form, size or material not guaranteed to be machine-washable or not in good condition.
- **NEVER** use the machine or any of its assemblies as steps or support for persons, property or animals.
- **NEVER** overload the open door of front-loading machines, which is rated only to support the basket loaded with dishes.
- **NEVER** use detergents or rinse additives not supplied by Rhima in this machine. The use of chemicals supplied by others may cause damage to the machine and is in contravention of your rental agreement.
- **NEVER** place your bare hands in wash solution.
- **NEVER** overturn the machine after it has been installed.
- If you notice any malfunction or fluid leak, immediately disconnect the power supply and shut off the water supply.
- Do not install the dishwasher in the vicinity of heat sources over 50°C.
- **NEVER** leave the dishwasher exposed to the weather (rain, direct sunlight, etc.)
- The dishwasher may not be installed outdoors without proper cover.
- Never start a wash programme without the overflow in the tub, as applicable.
- Never place magnetic objects in the vicinity of the machine.
- Do not use the top of the machine as a table or support.
- The installer is responsible for checking that the grounding system is fully operational.
- Max inlet water temperature: 50°C - 65°C
- Max inlet water pressure: 2.0bar - 4.0bar (200kPa - 400kPa)
- Appliance designed for permanent connection to the water supply
- Do not clean the appliance with steam or water jets.

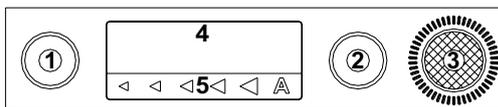
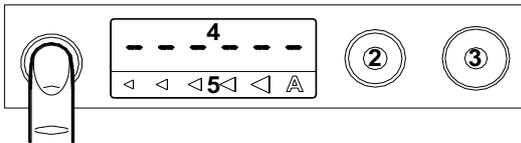


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USING THE MACHINE

Key and symbols

1	ON/OFF BUTTON	4	INFORMATION DISPLAY
2	PROGRAMME SELECTION BUTTON	5	TIME BAR
3	START BUTTON		



Switching the dishwasher on

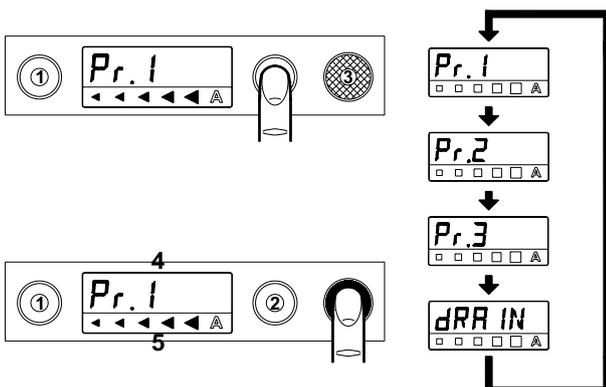
- Turn on the main electrical switch and open the external water tap.
- Check that there is enough detergent and rinse aid in the tanks.
- Check the presence of the overflow (when included)
- Press the **ON/OFF** key (1) as shown alongside.
- The machine will automatically start filling. The **START** button (3) flashes. When the machine is ready, the button turns green and the time bar illuminates completely.

Filling the rack

To ensure the correct operation of the dishwasher follow the rules described below:

- Wash the dishes immediately after use, in order to prevent any residue from hardening and sticking on them.
- Use a suitable rack, fill without overloading and without and without overlapping the dishes.
- Always scrape the dishes before placing in the dishwasher; do not put dishes with dry or solid residues in the washer without pre-soaking first.
- Place the empty dishes in the rack facing downwards.
- Place plates and the like in the sloping rack, with the inner surface facing upwards.
- Place the cutlery in the cutlery basket, handle end down.
- Do not place silver and stainless steel cutlery in the same cutlery basket as this will turn the silver brown and may corrode the steel.
- Use only solid, dishwasher-proof dishes.

Cycle selection and start-up



- Based on the type of dishes and their conditions, three types of cycles are available. (4)
- Select the wash cycle that is suited for the dishes to be washed. Repeatedly press the key **PROGRAMME SELECTION** key (2) to show the selected cycle on the display.
- To start the programme, press the **START** button (3) as shown alongside.
- During the cycle, the key turns blue (5) and the time bar shows the progress of the cycle.

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- The cycle ends with two short beeps. The **START** key (3) of the selected programme returns to green and the display shows the message 'END'. The time bar flashes.
- A few seconds after start-up, it is possible to start the wash cycle in advance by pressing the **START** key (3).
- In order to get rapid drying, immediately remove the rack from the machine at the end of the cycle.

Standard Programmes

<i>Pr 1</i>	Short wash programme for lightly soiled dishes.
<i>Pr 2</i>	Medium wash programme for averagely soiled dishes.
<i>Pr 3</i>	Long wash programme for heavily soiled dishes.
<i>Long</i>	Continuous wash. The cycle can be stopped at any time by pressing the Start button. After a short pause, the rinse stage will start. The cycle ends automatically after 12 minutes. *Not available in VU-40 glasswashers.
<i>CLE</i>	Drain and self-cleaning cycle to be used at the end of working day.
<i>dr</i>	Drain cycle.

Automatic cycle start-up

This function is used to make the chosen cycle start automatically when the door or hood is closed. To enable, proceed as follows:

- If not made available by default, the function must be enabled via the settings menu.
- With the appliance on and the door open or hood is up, press and hold (for at least five seconds) **START** (3) until A appears on the display.
- To disable the function, with the door open or hood is up press **START** (3) again for five seconds.

Draining the dishwasher

- Move the washing and rinsing arms at right angles to the edge of the door or opening.
- Remove the scrap screens and clean under running water.
- If necessary, extract the tub filter and clean.
- Replace tub filter and scrap screens and close the door.
- Press the **PROGRAMME SELECTION** key (2) until the display indicates (dr) on the display.
- Press **START** (3) to start the drain cycle.
- Machine will go into standby on completion of drain cycle.

Cleaning the dishwasher at the end of the day

- Remove the scrap screens and tub filter and clean under running water.
- Close the door.
- Press the **PROGRAMME SELECTION** key (2) until the display indicates (CLE) on the display.
- Press **START** (3) to start the self-cleaning cycle.
- Once completed **ensure you replace the scrap screens and tub filter before next use.**
- Machine will go into standby on completion of self-cleaning.

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Turning the dishwasher off

- Press ON/OFF (1), on the DISPLAY (4) the central segments will light up, indicating that the machine is powered.

Displaying information

- By holding the PROGRAMME SELECTION button (2) pressed for a few seconds you can display in sequence the Boiler temperature, the Tub temperature and the number of cycles performed by the machine.
This information can be displayed both before and during the wash cycle and will only be visible temporarily.

List of viewable messages

	Door open		Number of cycles carried out
	Rinse temperature		End of cycle
	Wash temperature		Automatic start enabled

End of shift

IMPORTANT

- **At the end of the day always drain the machine as described in the section Machine draining.**
- **Disconnect the power supply by means of the main switch and close the external water tap.**
- **Perform daily maintenance and clean the machine as described in the section Maintenance.**
- **If possible, leave the door ajar or hood up to prevent bad odors building up inside the machine.**

Cleaning the arms

The wash and rinse arms are easily removed in order to clean their nozzles and prevent blockage/encrustations.

Proceed as follows:

- Remove the wash arms by unscrewing the retaining nuts or by unclipping the quick-fit attachments on machines if equipped.
- Wash all parts under a jet of running water and clean the nozzles thoroughly, using a toothpick or pointed tool if necessary.
- Clean the arm rotation pins inside the machine and the wash and rinse water drainage area.
- Restore the arms and check that they rotate freely.

NEVER OPERATE THE DISHWASHER WITHOUT THE SCRAP SCREENS/FILTERS CORRECTLY IN PLACE!

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SELF DIAGNOSTICS

The machine is equipped with a self-diagnosis system that registers and warns of a number of malfunctions.

<i>Fault</i>	<i>Description and possible remedies</i>
<i>E r 0 1</i>	No rinsing. The rinsing cycle was not completed correctly. Make sure that the rinsing nozzles are clean.
<i>E r 0 2</i>	No drainage. The water was not drained or drained incorrectly. Check that the drain pipe is not bent or crushed and that the siphon and filters are not blocked. In machines fitted with an overflow pipe, remove this before starting the drainage cycle.
<i>E r 0 3</i>	Rinsing temperature reset fault. The boiler temperature did not reset in the set time during the washing cycle. Switch the machine off and then on and run a new cycle.
SAFE <i>E r 0 4</i>	Water filling in tank fault. Make sure the pipes are connected correctly, and that the water tap is open. Where foreseen, check the presence of the overflow. Switch the dishwasher off and then on and fill again.
<i>E r 0 5</i>	Tank thermometer fault. (Probe open) The machine does not read the tank temperature value. Switch the dishwasher off and then on.
<i>E r 0 6</i>	Tank thermometer fault. (Probe short circuited) The machine does not read the tank temperature value. Switch the dishwasher off and then on.
<i>E r 0 7</i>	Boiler thermometer fault. (Probe open) The machine does not read the boiler temperature value. Switch the dishwasher off and then on.
<i>E r 0 8</i>	Boiler thermometer fault. (Probe short circuited) The machine does not read the boiler temperature value. Switch the dishwasher off and then on.
<i>E r 0 9</i>	Boiler loading time out: boiler not filled. Impossible to carry out rinse cycle. Check that the water tap is open. Switch the dishwasher off and then on and run a new cycle.
<i>E r 2 1</i>	Insufficient rinse: the right amount of rinsing did not take place; make sure the rinse nozzles are clean. The error does not stop machine operation.
<i>E r 2 2</i>	Tank temperature reset fault: The tank temperature did not reset in the set time during the washing cycle. Switch the machine off and then on and run a new cycle.
SAFE <i>E r 5 F</i>	Electro-mechanical safety device: the boiler or tub safety thermostats have cut in, or the tub safety pressure switch has been triggered.
SAFE <i>E r 5 L</i>	Level safety switch: Incorrect water level in the tank.
<i>d r t</i>	Dirty filter: incorrect water level in tank due to dirty filter or overflow fitted incorrectly.

IMPORTANT: In the event service is required contact Rhima Service providing the fault code if possible.

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DETERGENTS

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Mediwash

5 Litre

For washing glass & instrument washing



Final rinse

5 Litre



Superwash

5 Litre

For all other washing

