

ARISTON 4.5 Aures Singlepoint Water Heater Instruction Manual

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ARISTON

ARISTON 4.5 Aures Singlepoint Water Heater



Product Information

The AURES PREMIUM and AURES PREMIUM+ are home appliances designed to provide sustainable comfort. These products are equipped with a thermostat that regulates hot water temperature and acts as a safety device to prevent overheating. The appliances are suitable for use by children aged 3 years and above, as well as individuals with reduced physical, sensory, or mental capabilities, provided they are given proper supervision or instruction on safe usage.

It is important to read and understand the assembly and operation instructions in this manual to ensure safe installation, use, and maintenance of the product. Failure to follow the instructions may result in damage to property or injury to individuals or animals. The manufacturer does not accept liability for damage caused by improper or incorrect use of the appliance.

Product Usage Instructions

1. **Keep the manual:** This manual is an integral part of the product. Keep it in a safe place and hand it over to the next user/owner if the property changes.
2. **Read the instructions:** Carefully read the instructions and warnings in this manual as they contain important information regarding safe installation, use, and maintenance.

3. **Professional installation:** The appliance must be installed and commissioned by a qualified technician in accordance with local legislation and health and safety regulations. Ensure all power circuits are shut off before opening the terminal block.
4. **Specified use:** Only use the appliance for its specified purpose. The manufacturer is not liable for damage resulting from improper or incorrect use.
5. **Child safety:** Do not leave packaging materials within the reach of children, as they can cause serious injury. The appliance can be used by children aged 3 years and above under supervision or with proper instruction on safe usage. Do not allow children to play with the appliance. Cleaning and maintenance should not be done by unsupervised children.
6. **Repairs and maintenance:** Any repairs, maintenance, plumbing, and electrical connections must be done by a competent person using original spare parts only. Failure to follow these instructions may compromise the safety of the appliance.
7. **Temperature regulation:** The hot water temperature is regulated by a thermostat, which also acts as a safety device to prevent overheating.
8. **Electrical hookup:** Follow the electrical hookup instructions provided in this manual.
9. **Power cable replacement:** If the appliance is equipped with a power cable, it should only be replaced by an authorized service center or professional technician.
10. **Drainage:** Ensure to drain the appliance when it is out of service or in an area subject to subzero temperatures.
11. **Avoid flammable materials:** Do not leave flammable materials in contact with or in the vicinity of the appliance.
12. **Safety precautions:** Avoid touching the appliance when barefoot or if any part of your body is wet.
13. **Flushing the unit:** Before using the device and after routine maintenance, it is recommended to flush the unit to remove any debris.
14. **Avoid damage from leaks:** Do not place anything under the water heater that may be damaged by a leak.
15. **Contact service agent for repair:** If any of the listed conditions occur, immediately switch off the mains and\ contact an Ariston service agent for repair. Do not attempt to repair the unit yourself.
16. **Lightning protection:** During lightning/thunder, switch off the electric supply to protect the shower unit against possible damage.

GENERAL SAFETY INSTRUCTION

1. This manual is an integral part of the product. Keep it with in a safe place, and hand it on to the next user/owner in case of change of property.
2. Read the instructions and warnings in this manual carefully, they contain important informa-tion regarding safe installation, use and maintenance.
3. The appliance must be installed and commissioned by a qualified technician in accordance with local legislation and health and safety regulations. All power circuits must be shut off be-fore you open the terminal block.
4. DO NOT use the appliance for anything other than its specified use. The manufacturer is not liable for damage resulting from improper or incorrect use or failure to observe the instructions given in this manual.
5. Incorrect installation can result in damage to property and injury to persons and animals; the manufacturer is not liable for the consquences.

6. DO NOT leave the packaging materials (staples, plastic bags, expanded polystyrene, etc.) with-in the reach of children – they can cause serious injury.
7. This appliance can be used by children aged from 3 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. DO NOT permit children to play with the appliance. User cleaning and maintenance may not be done by unsupervised children.
8. Any repairs, maintenance, plumbing and electrical connection must be done by qa competent person using original spare parts only. Failure to observe the above instructions can compromise the safety of the appliance and relieves the manufacturer of any liability for the consequences.
9. The hot water temperature is regulated by a thermostat which also acts as a safety device to prevent dangerous overheating.
10. The electrical hookup must be done as indicated in this manual.
11. If the appliance is equipped with a power cable, the latter may only be replaced by an author-ised service centre or professional technician.
12. Make sure to drain the appliance when it is out of service or in an area subject to subzero tem-peratures.
13. Do not leave flammable materials in contact with or in the vicinity of the appliance.
14. DO NOT touch the appliance when barefoot or if any part of your body is wet
15. Before using the device and after routine maintenance, we recommend flushing the unit to remove any debris .
16. Do not place anything under the water heater which may be damaged by a leak.
17. If any of the follow conditions occur, immediately switch off the mains and contact to Ariston service agent for repair. Never attempt to repair the unit yourself.
    - ELCB and Heater lamps do not light up.
    - The Heater begins to make an odd noise, smell or smoke.
    - Water temperature cannot be controlled.
    - The heater shower signs of a distinct change in performance.
    - If found water leakage from inside.
18. During lighting/thunder, switch off the electric supply to protect the shower unit against pos-sible damage.
19. The earth continuity conductor of the electrical installation must be effectively connected to all exposed metal parts of the appliance and services in the room, which the heater is to be installed to conform to local regulations and ensure proper earthing/grounding for ELCB to be effective.

GENERAL SAFETY STANDARDS

Symbol	Meaning
	Failure to observe this warning can result in injury, which may even be fatal in certain circumstances
	Failure to observe this warning can msult in damage or injury, even to property; plants and animals
	.Observe the product’s general and specific safety instructions

.Ref	Warning	Risk	Symbol
.1	Do not open the appliance or remove from its installation	Electrocution hazard due to the presence of live electrical equipment. Personal injury -overheated burns caused by components and wounds caused by sharp edges	⚠
.2	Do not start or stop the appliance by inserting/ pulling the power plug	Electrocution hazard due to damage to the power cord, its plug or the socket	⚠
.3	Do not damage the power cable	Electrocution hazard due to bare live wires	⚠
.4	Do not leave objects on the appliance	Personal injury due to objects falling off the appliance as a result of vibration	⚠
Damage to the appliance or other property due to objects falling off the appliance as a result of vibration			
.5	Do not climb onto the appliance	Personal injury due to falling off the appliance	⚠
		Damage to the appliance or other property due to the appliance itself detaching from its mounting	⚠
.6	Do not clean the appliance without having first .isolated the electrical power supply to the unit	Electrocution hazard due to the presence of live electrical equipment	⚠
.7	Install the appliance to a solid wall which is not subject to vibration	Danger of the appliance falling off the wall due to structural collapse	⚠
.8	Make the electrical connection with cables of adequate cross-section	Danger of fire due to overheating of undersized electrical wires	⚠
.9	Restore all safety and control functions after working on the appliance and check that they are operational before returning it to service	Damage or blocking of the appliance due to improper control	⚠
.10	Drain all components containing hot water, using the bleed cocks, before handling them	Danger of burns	⚠

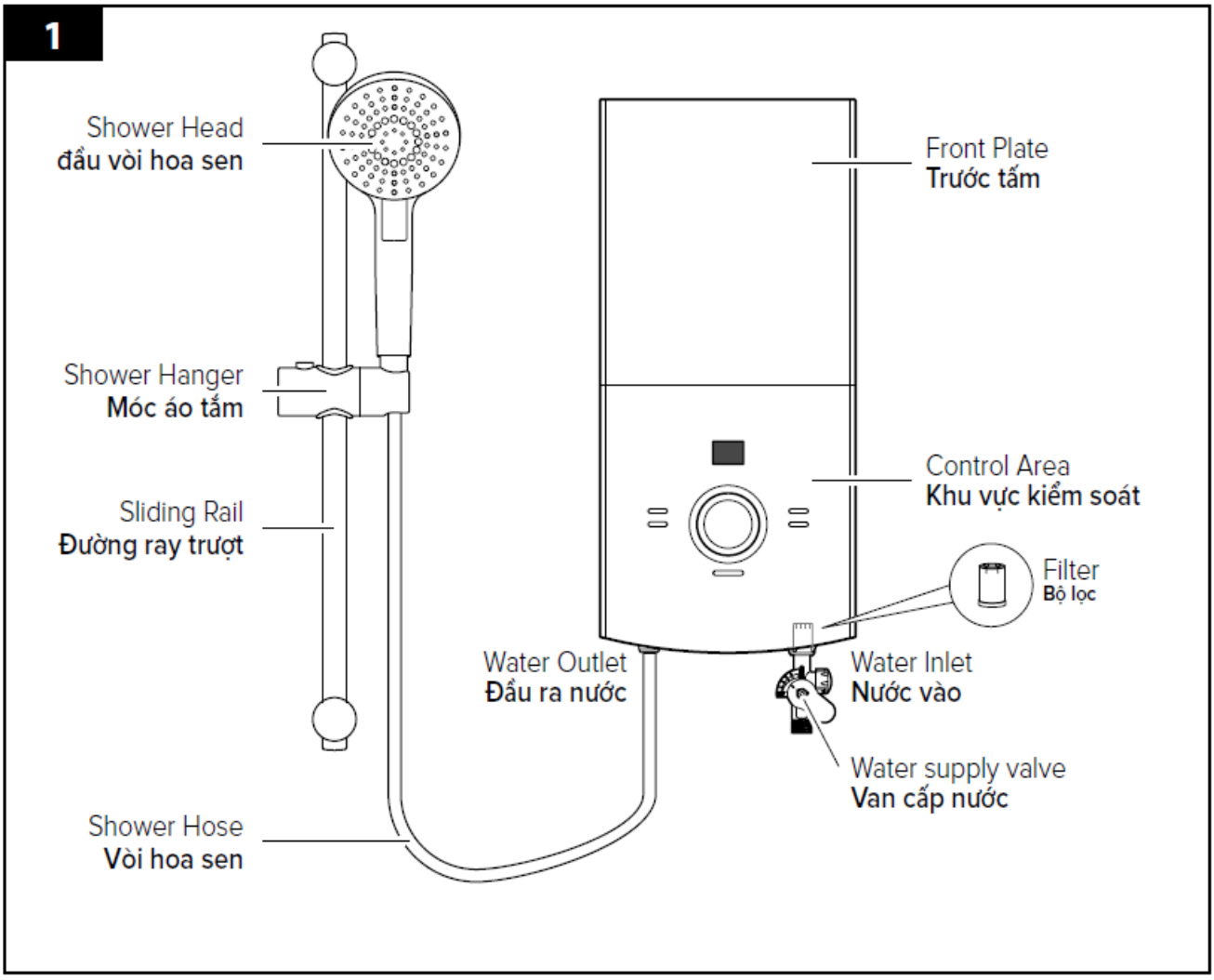
.11	Descale the system as given i n the products “safety sheet”; when doing so, ventilate the r oom,wear safety clothing, make sure not to mix products , and protect the appliance its elf and any adjacent objects	Personal injury due lo contact of th e skin and eyes with add, inhalation or ingestion of noxious chemicals	⚠
		Damage to the appliance and adjac ent objects due to corrosion by acid	△
.12	Do not use insecticides, solve nts or aggressive detergents t o clean the appliance	Damage to plastic and painted part s and assemblies	△

TECHNICAL CHARACTERISTICS

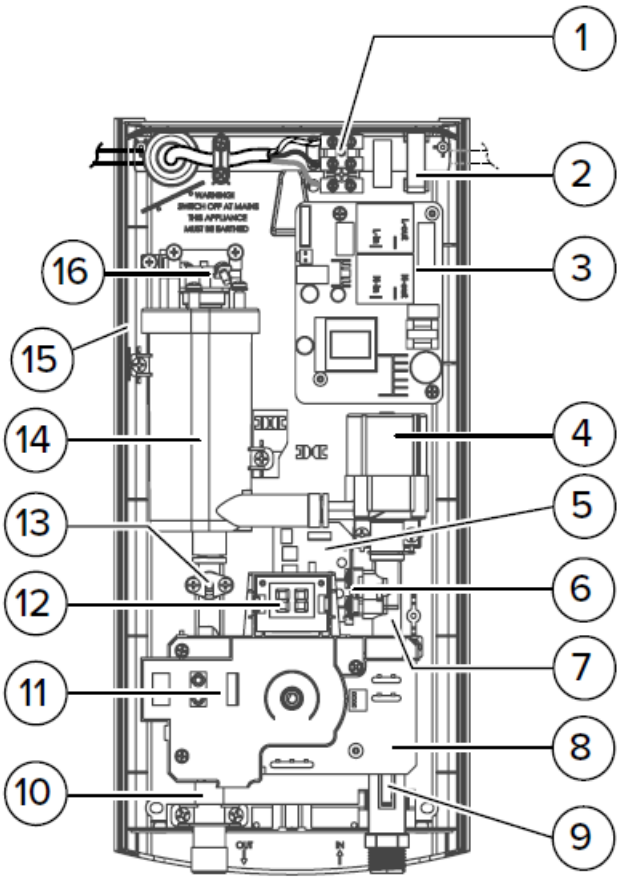
For the technical specifications, refer to the nameplate (located on the right side of the water heater).

PRODUCT INFORMATION				
MODEL	**AURES PREMIU M 4.5**	**AURES PREMIU M 4.5P**	**AURES PREMIU M+ 4.5**	**AURES PREMIU M+ 4.5P**
Power (kW)	4,5			
Voltage (V)	220			
Phases	Mono			
Installation	Single point			
Construction	Open outlet			
Frequency (Hz)	50			
Electric current (A)	20,5			
Water Protection	IPX25			
Pipe Connection	1/2″ BSP			
Min water pressure (kPa)	10	5	10	5
Max water pressure (kPa)	500	380	500	380
Weight (kg)	1,8	1,9	1,9	2,0
Dimensions (mm)	416 x 200 x 91			

OVERVIEW



DESCRIPTION



1. Terminal block
2. Zero sequence current transformer
3. Main PCB
4. Pump (for with pump models only)
5. Triac PCB
6. Copper base
7. Connect pipe
8. HMI PCB
9. Inlet Reed Switch
10. Outlet pipe
11. Water proof
12. Display (for with display models only)
13. Outlet NTC (For constant temperature models only)
14. Heater tank
15. Bottom cover
16. Thermostat

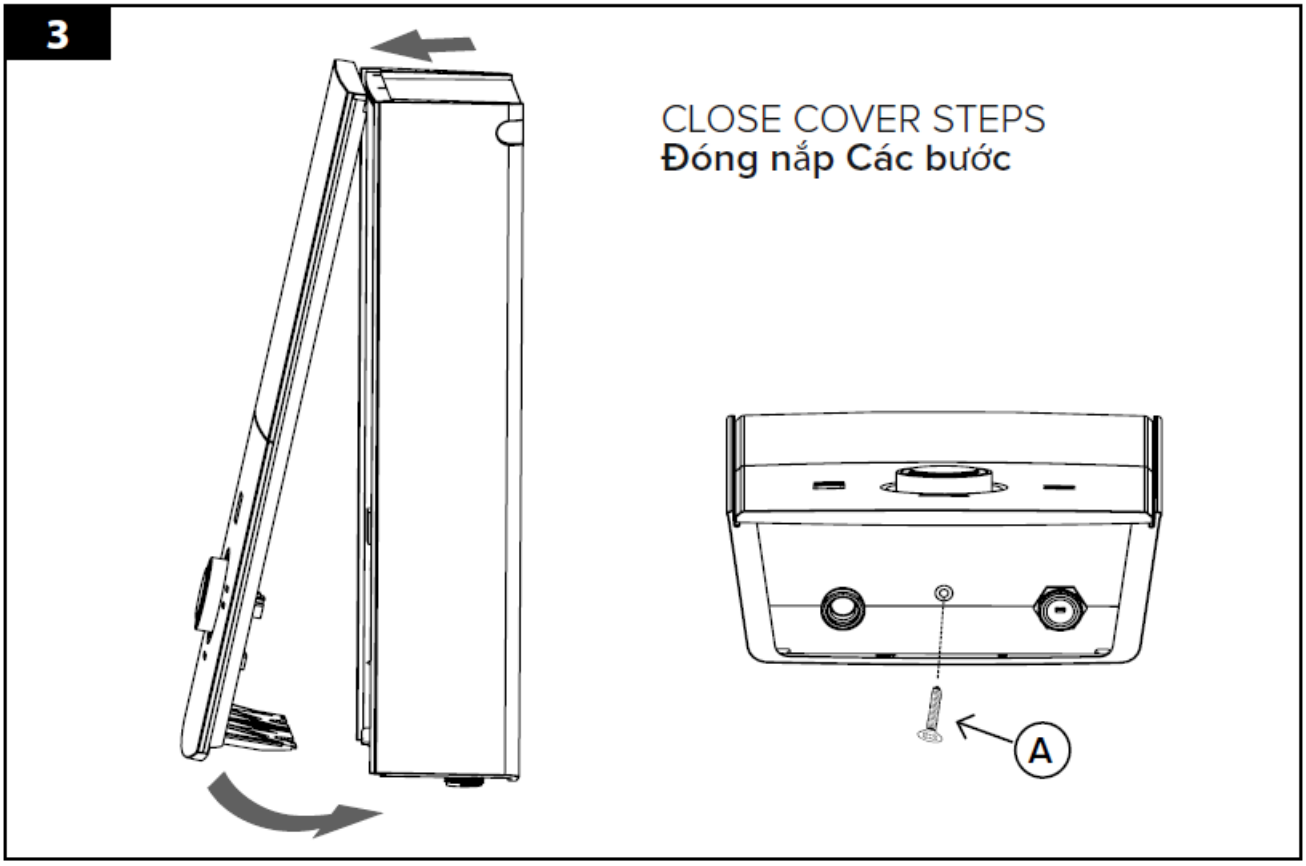
INSTALLATION

Caution before installation

1. This heater must be permanently connected to the direct main current supply. The use of a plug and socket is not recommended.
2. For the correct size of wire conductor corresponding to different electrical loading, please refer to table1.
3. This heater operates at a minimum and maximum water pressure as per table of Technical Characteristics
4. This heater will not function if there is insufficient water flow to trigger the flow switch.
5. The built-in ELCB will automatically cut off the power supply in case there is a current leakage above 15mA.
6. The thermostat will automatically cut off the power supply if it has sensed an abnormal rise in showering water temperature. Only qualified technicians are allowed to reset the thermal cut-out built inside the appliance.
7. To avoid accidentally scalding, user is advised to operate the heater at least a min inlet water flow of 2 l/min.

Install the appliance

1. Select a suitable position in the bathroom.
2. Remove the screw A-(fig. 3) at the bottom of the unit and lift up the front.



3. Mark screw points of the heater base on the wall. The heater position should be 1.5 m from the bathroom floor.
4. Mark the screws points of the slider rail set beside the heater. It is recommended the top of the portion is in same level with the top of the heater.
5. Use 6mm diameter drill and make the wall plug holes for heater and shower accessory to 35mm depth.
6. Insert the wall plugs and mount the heater firmly in position with the screws provided.
7. To mount shower accessory, remove the terminal cover from the mounting terminal and screw the mounting to position. Close the cover. Insert the shower holder into the slider rail. Mount the slider rail to the mounting terminal and screw the second mounting to position. Close the cover.

Water connection

THE WATER INLET AND OUTLET MUST BE INSTALLED CORRECTLY. DURING WATER CONNECTION AND DISCONNECTION, INLET PIPE MUST BE ALWAYS KEPT BLOCKED IN THE CORRECT POSITION WITH PROPER TOOL TO AVOID UNDESIRED ROTATION; OTHERWISE THE HEATER CAN NOT FUNC-TION. USE ONLY THREAD OR SEALING TAPE.

1. Connect the product water supply valve to the water inlet with rubber washer. Use correct tools to tighten and be careful not to break the plastic nut.
2. Connect the incoming water piping end to the product water supply valve (1/2'' BSP).
3. Connect the soft hose and shower head to the outlet of the heater; be sure to put in the rubber washer.
4. Hook the shower head to the shower hanger and adjust to your ideal position.

IMPORTANT: THE 'WATER OUTLET' CAN ONLY BE FITTED TO THE SOFT HOSE AND SHOWER HAND SET PROVIDED. NO CONTROL VALVE OR FITTING CAN BE MOUNTED TO THE WATER OUTLET.

Testing connection

In the condition of without power supply, turn on the water mains to drain out all plumbing dirt and to fill up the

heater tank. Check for any water leakage.

Electrical connection (warning)

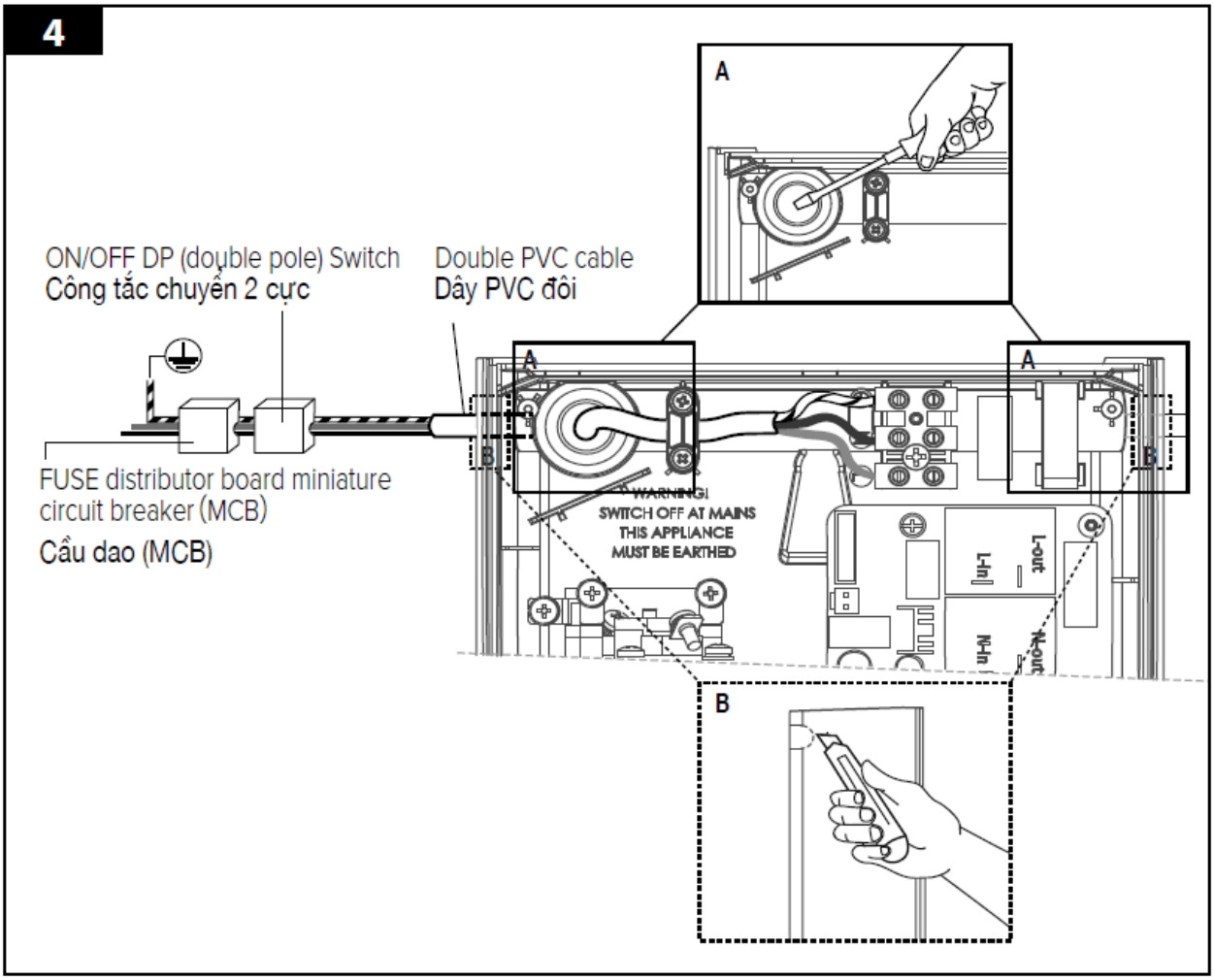
- This appliance must be EARTHED. Improper grounding could cause electrical shock. Addition-al electric switch should be far away from the water heater (out of reach of shower spray).
- Remember to switch off at mains before carrying out any electrical work.

1. Use double coated flexible cable having nominal cross-sectional area which could be seen in table 1.

Table 1- ELECTRICAL LOADING TABLE

Voltage (AC)	Power (k W)	Current (A)	Conductor size			ON/OFF Switch (A)	FUSE M BC (A)
			mm²	Conduit cable	Flexible Cable		
220V	4,5	20,5	4	7/0,85 mm	50/0,30 mm	32	32

2. Lead the power cable from the circuit breaker to “ON/OFF” double bipolar switch (which having a contact opening at least 3mm in all poles) outside the bathroom, then lead a cable connected to terminal block inside the unit (Fig.4).



3. Make a hole in the rubber gasket (Fig. 4A) just enough to make cable pass through and put the gasket in the correct position;
4. Insert the cable through channel ‘A’ (Fig 4) for side entry, after breaking plastic wall and clean burrs ‘B’ (Fig. 4) .

5. Connect the cable to terminal block and fully tighten them as follow.
   BROWN or RED for LIVE (L)
   BLUE or BLACK for NEUTRAL(N)
   GREEN or GREEN/YEOLLOW for EARTH(E)
6. Make sure the wiring connection is tight, then close the front cover.
7. Fix back the screw A.

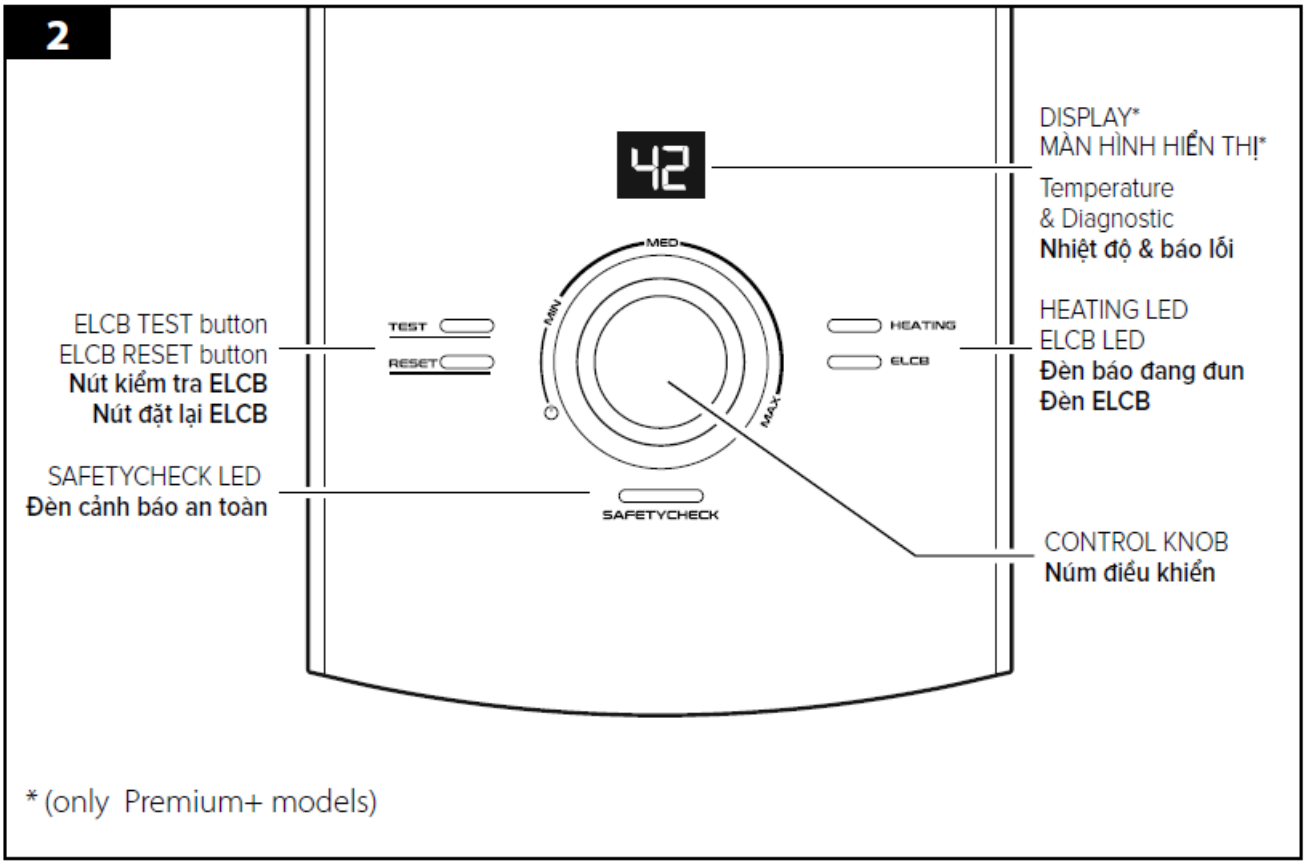
OPERATING INSTRUCTIONS

TO TAKE THE SHOWER FOR THE USER

IMPORTANT!
THE HEATER TANK MUST BE FILLED UP WITH WATER BEFORE TURN ON THE ELECTRIC SUPPLY THIS IS TO PREVENT ANY DRY BURNT DAMAGE TO THE HEATING ELEMENT.
SHOULD TURN OFF THE HEATER BEFORE TURN OFF THE Product water supply valve.

Starting

1. Turn on the main product water supply valve.
2. Switch on the electric supply on the main switch out of the shower:
   - **a.** It enables the SAFETY CHECK technology to run a system scan of the product for 4 sec. and the SAFETY CHECK led will blink:
     1. If everything is running smoothly and safely the SAFETYCHECK and ELCB led will be steady.
     2. If the SAFETY CHECK led continues to blink, it is because SAFETY CHECK technology has detected some failure and the user has to switch off the main supply and contact the service agent for repair.
3. Turn on the product water supply valve on the product to clockwise until the water flow through the shower head.
4. Rotate the control knob, the HEATING led will light up and hot water will start flowing from the shower head.
5. Adjust the shower condition setting by:
   - **a.** Rotate the control knob in clockwise to increase the temperature or in anticlockwise to de-crease the temperature;
   - **b.** Turn the product water supply valve in clockwise to increase the water flow decreasing the outlet water temperature or turn it in anticlockwise to decrease water flow increasing the outlet water temperature;
   - **c.** In rare case if inlet water is too cold, both options can be not enough to reach the desired shower conditions.
6. Temperature setting (fig. 2)



AURES PREMIUM

- **a.** Rotating the control knob the user gradually regulates the Power setting to find the desired shower condition:
    1. Rotating clockwise the control knob the power gradually increases and the shower tem-perature will go up., at “MAX” position the hottest outlet water;
    2. Rotating anticlockwise the control knob the power gradually decreases and the shower temperature will go down, at “OFF” position, the water temperature will remain at inlet temperature;
    3. In case some external factors (i.e. Inlet temperature, Inlet water flow, electricity fluctuation) change, the product will not modulate the power and outlet temperature will be impacted increasing or decreasing depending on the external changing.

    AURES PREMIUM+
- **a.** Rotating the control knob the user gradually sets the Temperature to find the desired shower condition and on the display he reads the temperature is going to set ;
- **a.** Rotating clockwise the control knob the temperature gradually increases, reaching 45°C at “Max” position;

  b. Rotating anticlockwise the control knob the temperature gradually decreases till 32°C at “Min” position. At “OFF” position, the outlet temperature will remain at inlet temperature;
- **c.** In case some external factors (i.e. Inlet temperature, Inlet water flow, electricity fluctuation) change, the product will modulate the power so that outlet temperature will remain con-stant at setting temperature, guaranteeing the highest and stable comfort.

7. Select the preferred shower jet thanks to spray position lever on the shoer head.
8. The height and the direction of the shower holder are adjustable. Depress the release button and slide the shower holder to the desired position. Move the shower head to the desired angle. A ratchet mechanism in the shower holder.
9. Rotate the control knob to “OFF” position and turn off the product water supply valve before to get out of the

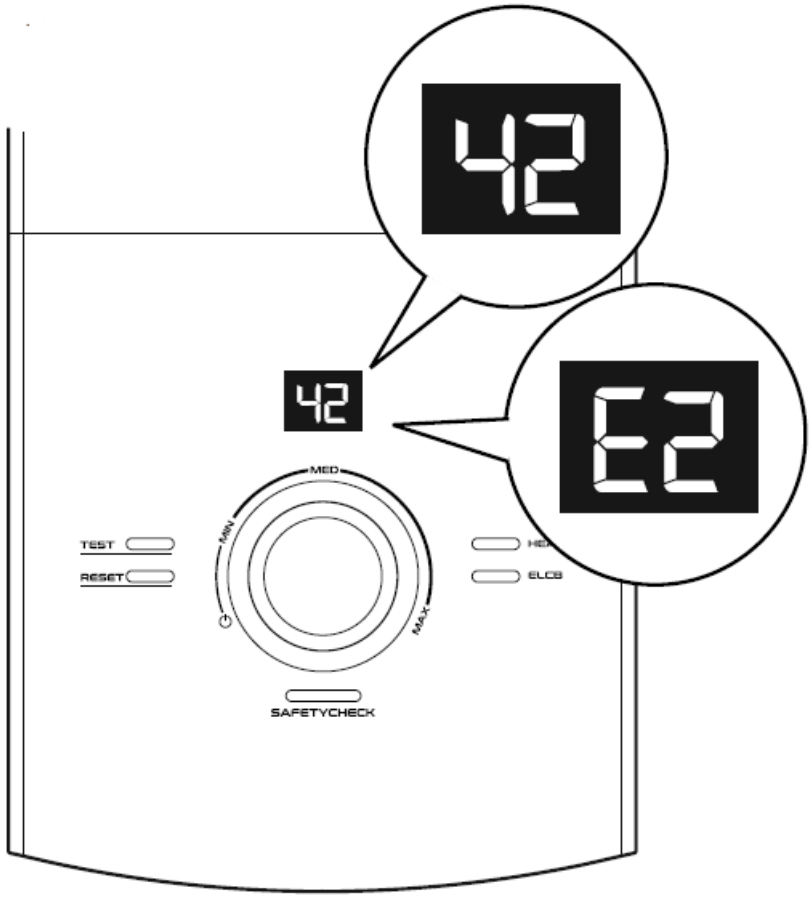
shower.

PUMP FUNCTIONING

(only for pump version models)
The pump is always on in the pump product version. The pump starts to work when the user switch-es on the product and turns on the water supply valve.

DISPLAY

(only for AURES PREMIUM+ models)



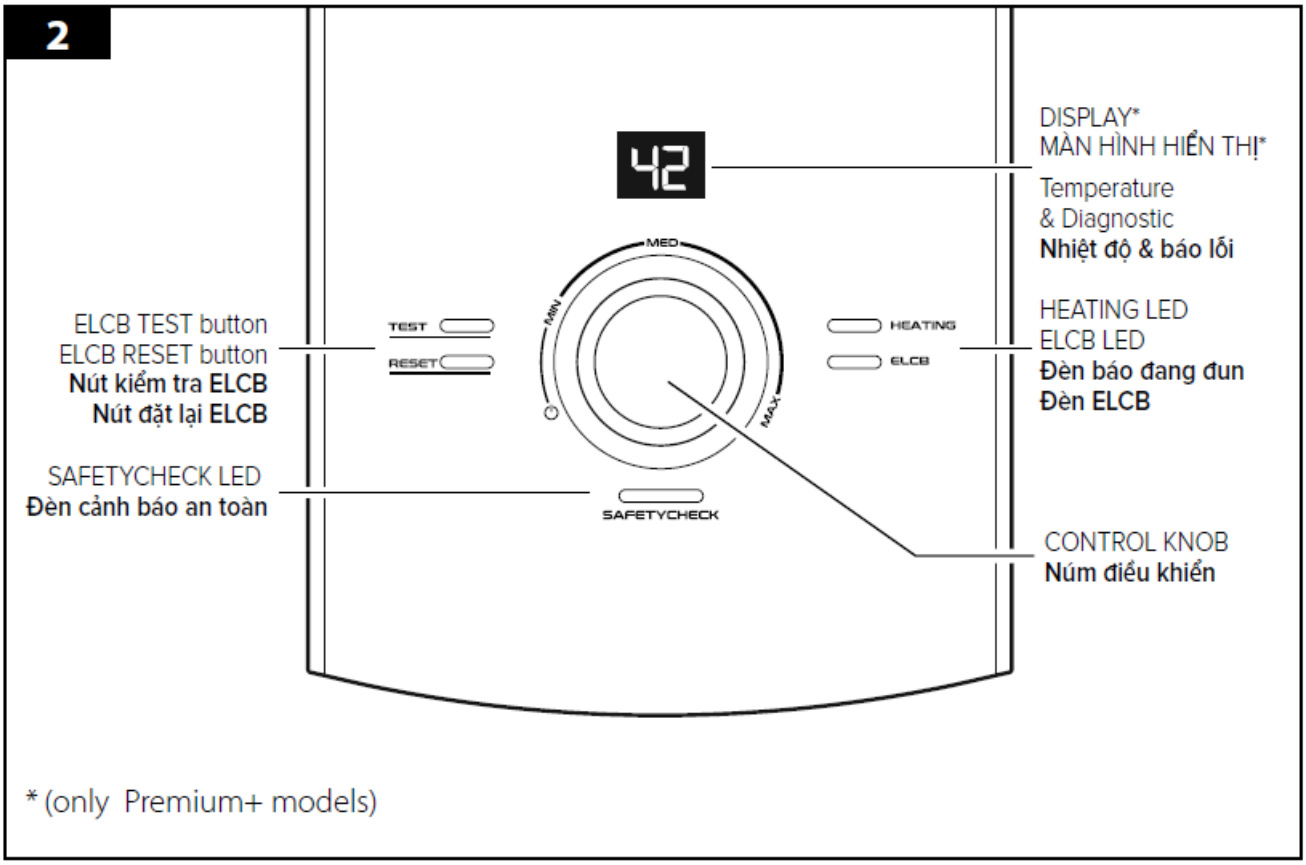
On the display, the user reads the following info:

- Temperature setting when the product is working properly;
- Co = Cold Shower when the product is set between ⏻ and MIN;
- Error codes if there is some failure, below error code list for a quick diagnostic:
  - **a. E1 =** Current leakage error (show pict)
  - **b. E2 =** NTC error (show pict)
  - **c. E3 =** ELCB Hardware error (show pict)
  - **d. E7 =** Frequency error (show pict)

Anyway every time Error code appears on the dis-play, contact the service agent for repair. NEVER try to repair the unit by yourself.

MAINTENANCE

ELCB TEST (only for ELCB models fig. 2)



The built-in ELCB function will self-check every time before working, when the user turns “on” the electricity on the main switch out of the shower and the ELCB led will light up.

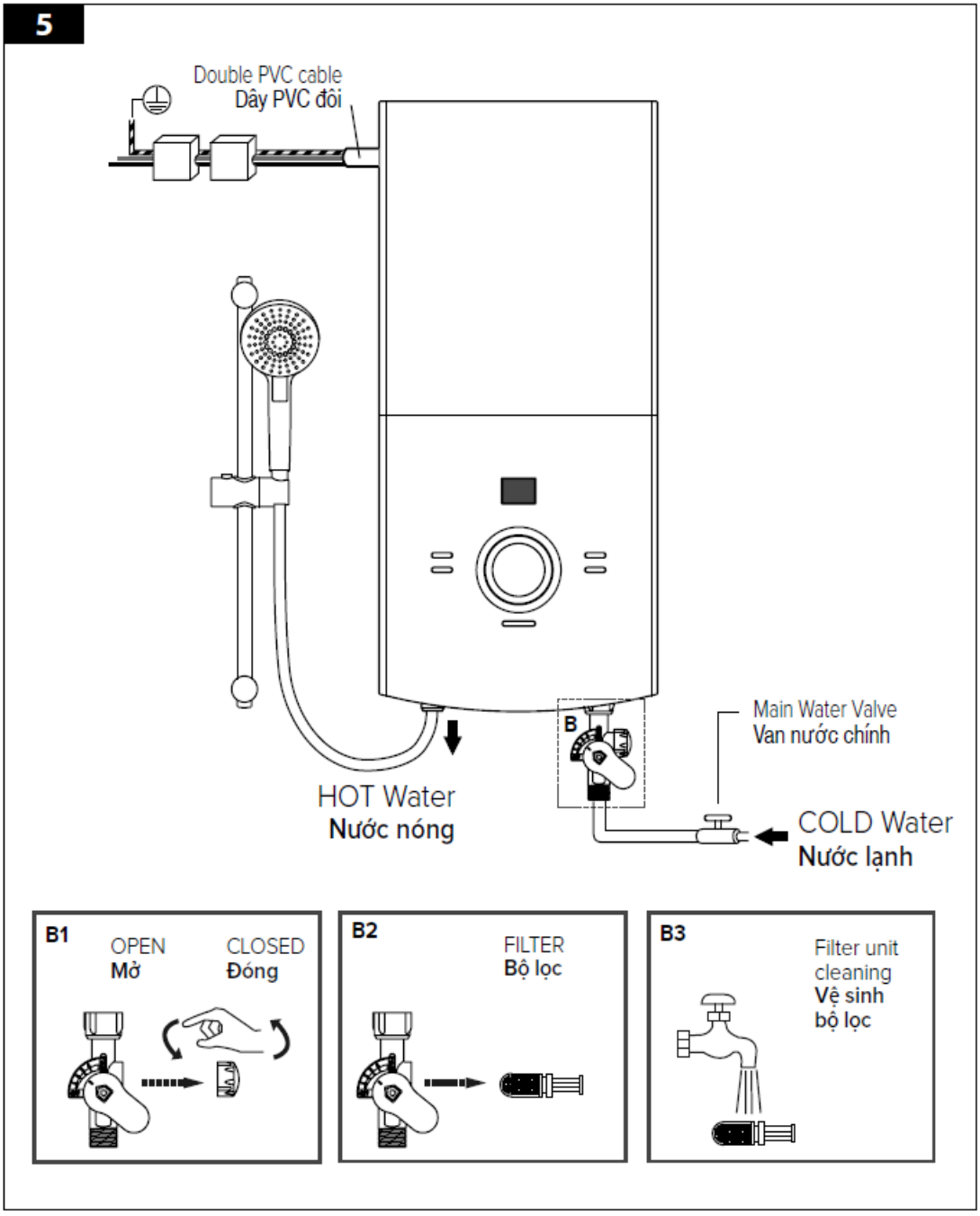
It is recommended test at least once a month the correct ELCB functioning.

- After turn on the electricity and water supply:
    1. Press the “TEST” button;
    2. ELCB led and SAFETY CHECK led will go off,
    3. Press the “RESET” button to resume back the power supply,

If the ELCB led blinks and SAFETY CHECK led blinks or ELCB led does not light up and SAFETY CHECK blinks when the user presses the RESET button, the user has to switches off the main supply and contact the service agent for repair. NEVER try to repair the unit by yoursel.
NOTE: TESTING THE ELCB REGULARLY

Cleaning precaution
Do not use thinner, alcohol, petrol or any other organic solution to clean the set, use only a damp cloth with mild detergent.

Cleaning the filter regularly
There are two filters located at the water supply valve, one is mesh filter (installed at the incoming water supply); the other one is the built-in filter as shown in fig.5.



Clean the two filters regularly to prevent blockage. Remove the built-in filter by turning it anti clock-wise as shown in fig.5 B1. Take out the filter and flush it with water to remove any trapped sediments, as shown in fig.5 B2 – B3.
Note: the specification, actual product's cosmetic design and accessories parts shown are correct at the time of printing and may be subjected to change without prior notice.

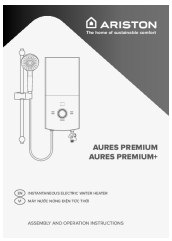
Others
This innovative adjustable shower head has 5 and 3 different spray actions for constant temperature and non-constant temperature models, respectively.

Troubleshooting

PROBLEM	TEMP DISP LAY (Premium+)	ELCB LA MP	HEATING LAMP	CHECKING ACTIONS

Cold Water no temperature increase	a	OFF	OFF	1. Ensure power supplier availability, by checking house power supply voltage; 2. Ensure “TEST” button is not wrongly pressed, by press the “reset” button to light ON the ELCB lamp.
	ON	ON	OFF	1. Ensure water flow rate is big enough (over 1,2L/min); 2. Ensure the water heater is turned ON, by rotating knob clockwise after MIN. 3. Ensure water pipe connection (inlet on right, out- let on left). fig 5
	ON	ON	ON	Ensure water flow rate is not too big (over 6L/min), by reducing the flow rate through regulation valve;
	display “E*”	Blinking for any of these 2 lamps		Stop use the water heater, call service.
Water temp increased, but not warm enough	ON	ON	ON	1. Increase temperature/power setting. 2. Make sure the water flow rate is not too big (over 6L/min), by reducing the flow rate through stop valve regulation; 3. Measure the actual voltage WHEN heating to make sure voltage drop not too big. By increase section, or reduce length of the power supply cable could improve. 4. Ensure power supplier voltage not too small, by checking house power supply WITHOUT heating.
Flow rate too small	—	—	—	1. Ensure the water pressure is big enough to pro- vide comfortable water flow rate. 2. Ensure there are no dirty, by clean the filter, which is built in the regulation valve. Fig. 5, B1-B2-B3 3. Ensure there are no bottleneck in the inlet pipe between water heater to the main water supply point;
House light flickering when heating	ON	ON	ON	Measuring the actual voltage WHEN heating to make sure voltage drop not too big. (Voltage drop should be less than 10%). By increase section, or reduce length of the power supply cable could solve the flickering problem.

Documents / Resources

	**ARISTON 4.5 Aures Singlepoint Water Heater** [pdf] Instruction Manual 4.5, 4.5P, 4.5 Aures Singlepoint Water Heater, Aures Singlepoint Water Heater, Singlepoint Water Heater, Water Heater, Heater

References

- Ariston Group

Manuals+,