

# Centon

Specialist in Water Heater



## ***Gusto GT331*** *series* Instant Water Heater

An ISO 9001 and ISO 14001 Certified Manufacturer

**Singlepoint Series (OV)**  
Single Element  
Right Inlet Plastic Tank

**Pages**

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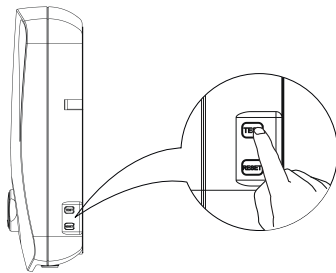
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## IMPORTANT SAFETY INFORMATION

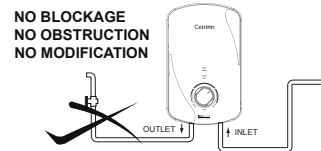
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### WARNING

- 1) Check the RCD in this heater & the RCD at the main switch board of the premise at least once a month.

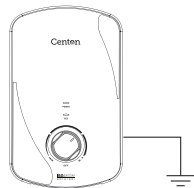


- 4) The outlet point of this heater, hose and handshower act as a vent. They must not be blocked, obstructed or modified in any way. Fittings or any taps not recommended by manufacturer must not be connected. The use of unapproved accessories may not only affect its performance and safety but also invalidate its guarantee.



\* Applicable for singlepoint model only

- 2) This product must be earthed.



- 5) There are no user serviceable component beneath the cover of this appliance. Only a competent tradesperson should remove the cover.

- 6) Children should be supervised to ensure that they do not play with the appliance.

- 7) Plug, socket, & undersize cable shall not be used.

- 3) This appliance is not intended for use by person (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.

- 8) Metallic, chrome hose, & conductive control valve shall not be used.

- 9) The water inlet of this appliance shall not be connected to inlet water obtained from any other water heating system.

## SAFEGUARDING THE ENVIRONMENT



This product may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. Disposal must be carried out in accordance with your local environmental regulations for waste disposal.

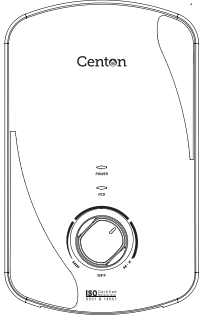
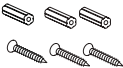
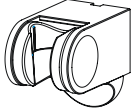



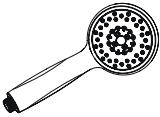


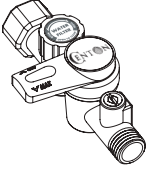
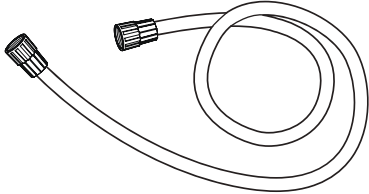
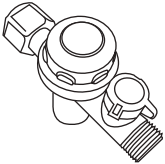
### Overseas

For more detailed information about treatment, recovery and recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

## PACK CONTENTS CHECKLIST

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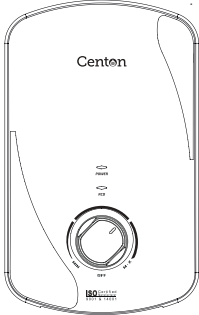
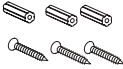
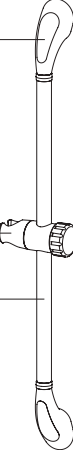

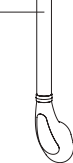

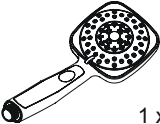


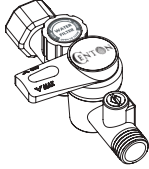
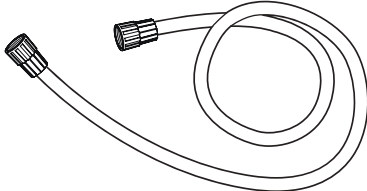
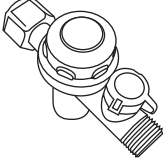
### Optional: Heater & Fixed Shower Accessories (A) / (B)

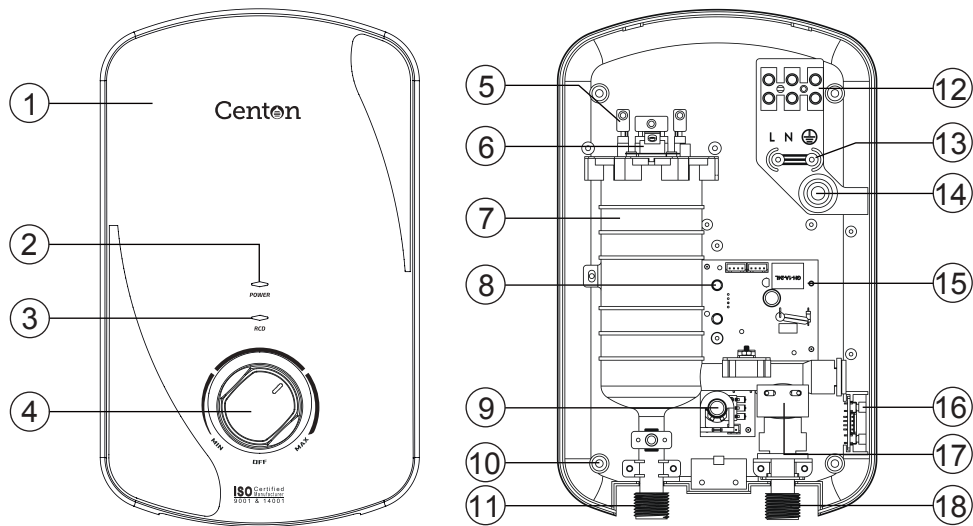
 <p>1 x Heater Unit</p>  <p>3 x Wall Plug &amp; Screw Set</p>	 <p>1 x Shower Holder (A) <i>Optional Item</i></p> <hr/>  <p>1 x Shower Holder (B) <i>Optional Item</i></p>  <p>2 x Screw &amp; Wall Plug Set</p>
 <p>1 x Handshower (A) <i>Optional Item</i></p>  <p>1 x Handshower (B) <i>Optional Item</i></p>  <p>1 x Filter Mesh Washer</p>	 <p>1 x Installation &amp; Operation Manual</p>
 <p>1 x Right Angle 4 Stop Valve <i>Optional Item</i></p>	 <p>1 x 1.5' Flexible Hose</p>
 <p>1 x Pop Start Stop Valve <i>Optional Item</i></p>	

# PACK CONTENTS CHECKLIST

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## Optional: Heater & Full Shower Accessories

 <p>1 x Heater Unit</p>  <p>3 x Wall Plug &amp; Screw Set</p>	 <p>2 x Rail Support</p>  <p>1 x Shower Holder</p>  <p>1 x Sliding Rail</p>  <p>2 x Screw &amp; Wall Plug Set</p>
 <p>1 x Handshower</p>  <p>1 x Filter Mesh Washer</p>	 <p>1 x Installation &amp; Operation Manual</p>
 <p>1 x Right Angle 4 Stop Valve</p> <p><i>Optional Item</i></p>	 <p>1 x 1.5' Flexible Hose</p>
 <p>1 x Pop Start Stop Valve</p> <p><i>Optional Item</i></p>	



**MODEL: GUSTO GT331 / GUSTO GT331E**

- |   |                            |
|---|----------------------------|
| 1. Heater Cover                               | 9. Electronic Control Unit |
| 2. Power Indicator                            | 10. Mounting Holes (4 Nos) |
| 3. RCD Indicator *                            | 11. Heater Outlet          |
| 4. Temperature Control Knob                   | 12. Terminal Block         |
| 5. Heating Element                            | 13. Cable Clamp            |
| 6. Double Function Manual Reset<br>Thermostat | 14. Cable Entry            |
| 7. Heater Tank Assembly                       | 15. Built-in RCD *         |
| 8. Indicator Light                            | 16. TEST and RESET PCB     |
|   | 17. Proximity Sensor       |
|   | 18. Heater Inlet           |

\* Model GT331E

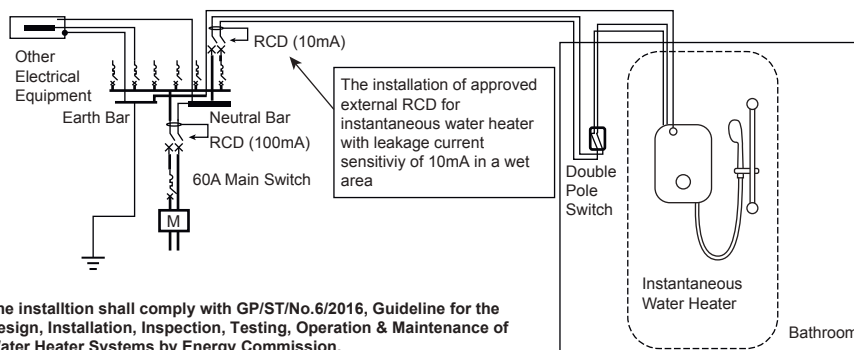
**WARNING THIS APPLIANCE MUST BE EARTHED**

**Note: An approved type of Residual Current Device (RCD) of 10mA sensitivity should be installed in conjunction with the heater.**

- 1) Installation must be carried out by a qualified electrician.
- 2) The shower heater unit must be connected to its own independent electrical circuit.
- 3) Lead the power cable from the indoor fuse distributor board or Miniature Circuit Breaker (MCB) to an 'ON/OFF' Double-Pole switch outside the bathroom.
- 4) The water heater must be permanently connected to the electricity supply through a double-pole linked switch having a contact of separation of at least 3mm in all poles incorporated in fixed wiring.
- 5) This switch must be out of reach of a person using a shower.
- 6) Correct size of wire conductor corresponding to different electrical loading should be used.
- 7) For connection within the shower cubicle & below the ceiling, the connection box shall be IPX5 rated.
- 8) Only fixed & permanent connection is allowed, plug & socket shall not be used. In the case where a direct connection cannot be made to the water heater, only correctly sized approved connector & connection box shall be used.
- 9) An approved, correctly sized copper PVC insulated flexible cables with maximum 1.5m lengths shall be used to connect water heater to the connection box by referring cable size in the table below;

**Cable Sizes Table**

Voltage (V~)	Power (kW)	Amperes (A)	Recommended Conductor Size			Fuse / MCB (A)	ON/OFF Switch (A)
			mm <sup>2</sup>	Cable for Fixed Wiring	PVC Flexible Cables		
220~ 50/60Hz	3.5	16.0	4.0	7/0.85mm	56/0.30	20	20
	4.4	20.0	4.0	7/0.85mm	56/0.30	25	25
	4.5	20.5	4.0	7/0.85mm	56/0.30	25	25
	5.5	25.0	4.0	7/0.85mm	56/0.30	32	32
	6.0	27.3	4.0	7/0.85mm	56/0.30	32	32
	7.0	31.8	6.0	7/1.04mm	84/0.30	40	40
230~ 50/60Hz	3.3	14.3	4.0	7/0.85mm	56/0.30	20	20
	3.5	15.2	4.0	7/0.85mm	56/0.30	20	20
	4.5	19.6	4.0	7/0.85mm	56/0.30	25	25
	6.0	26.1	4.0	7/0.85mm	56/0.30	32	32
240~ 50/60Hz	3.6	15.0	4.0	7/0.85mm	56/0.30	20	20
	3.72	15.5	4.0	7/0.85mm	56/0.30	20	20
	3.8	15.9	4.0	7/0.85mm	56/0.30	20	20
	4.2	17.5	4.0	7/0.85mm	56/0.30	20	20
	4.8	20.0	4.0	7/0.85mm	56/0.30	25	25
5.4	22.5	4.0	7/0.85mm	56/0.30	32	32	



## PLUMBING SCHEMATIC DIAGRAM

1. Diagram on right shows a typical system layout.
2. Do not use joining compounds on any pipe fittings for the installation.
3. The unit works at minimum water flow rate of 2 litre/min. An incoming water flow rate of 5 litre/min and above would excel its performance.
4. The water inlet of this product shall not be connected to inlet water obtained from any other water heating system.
5. This product must be permanently connected to the water mains & not connected by a hose set.

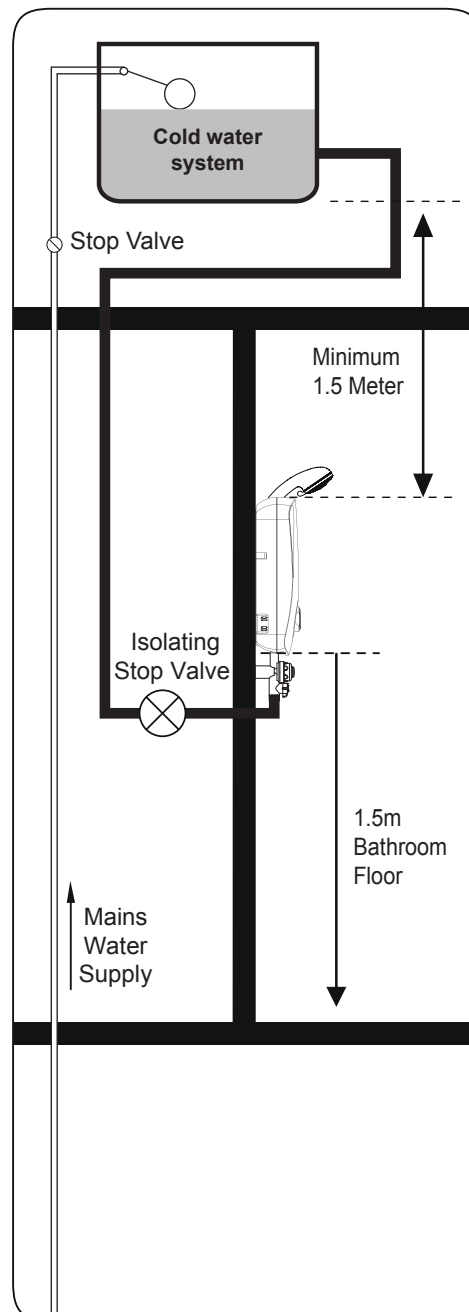
### **WARNING**

**THIS PRODUCT IS NOT TO BE USED FOR A POTABLE WATER SUPPLY**

## SITTING OF THE SHOWER

**FOR EASE OF SERVICING, THE UNIT MUST ALWAYS BE MOUNTED ON THE SURFACE OF TILED WALL. NEVER TILE UP TO THE UNIT.**

1. This product is splash-proof rated and is approved for use in shower cubicles & over baths.
2. Do not install the unit in a position where the sprayhead will consistently direct water over it.
3. The shower unit **MUST** be positioned vertically.

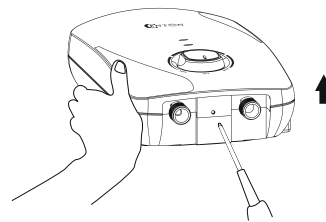


## FIXING THE SHOWER TO THE WALL

### CAUTION:

It is important to mount the shower unit to a flat surface otherwise difficulty may be encountered when fitting the cover and subsequent.

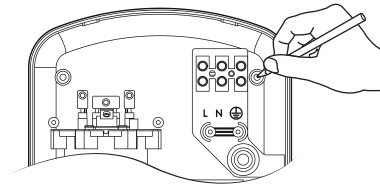
1. Unscrew the screw at bottom of heater and remove the cover by lifting the bottom of cover upward.



Remove the Cover

2. Determine the suitable position where electrical cable & inlet water supply is reachable.

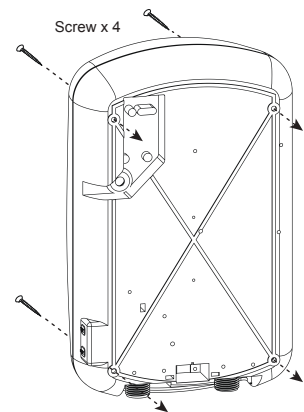
Mark the position of the mounting holes on wall.



Mark the mounting holes

3. Drill the holes with 5.0mm diameter drill bit and insert the wall plugs provided.

Secure heater unit onto wall with screws provided.



## PLUMBING CONNECTIONS

**CAUTION:**  
**Complete Plumbing Connections before Electrical Connection**

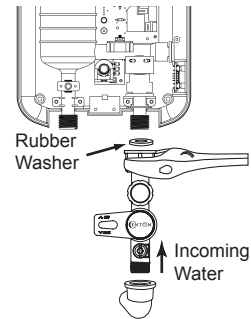
1. Connect the water supply to the inlet of stop valve via 15mm copper, stainless steel or plastic pipe using a 15mm X 15mm elbow compression fitting.

**Note: DO NOT apply excessive force when making these connections.**

2. Feed the stop valve by securing it to the unit's inlet.

**Note: Ensure the supplied rubber washer is in place before connecting stop valve to inlet.**

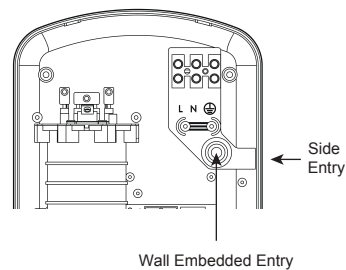
3. Turn on water supply and check for leaks in the pipework connection to the shower.



## ELECTRICAL CONNECTIONS

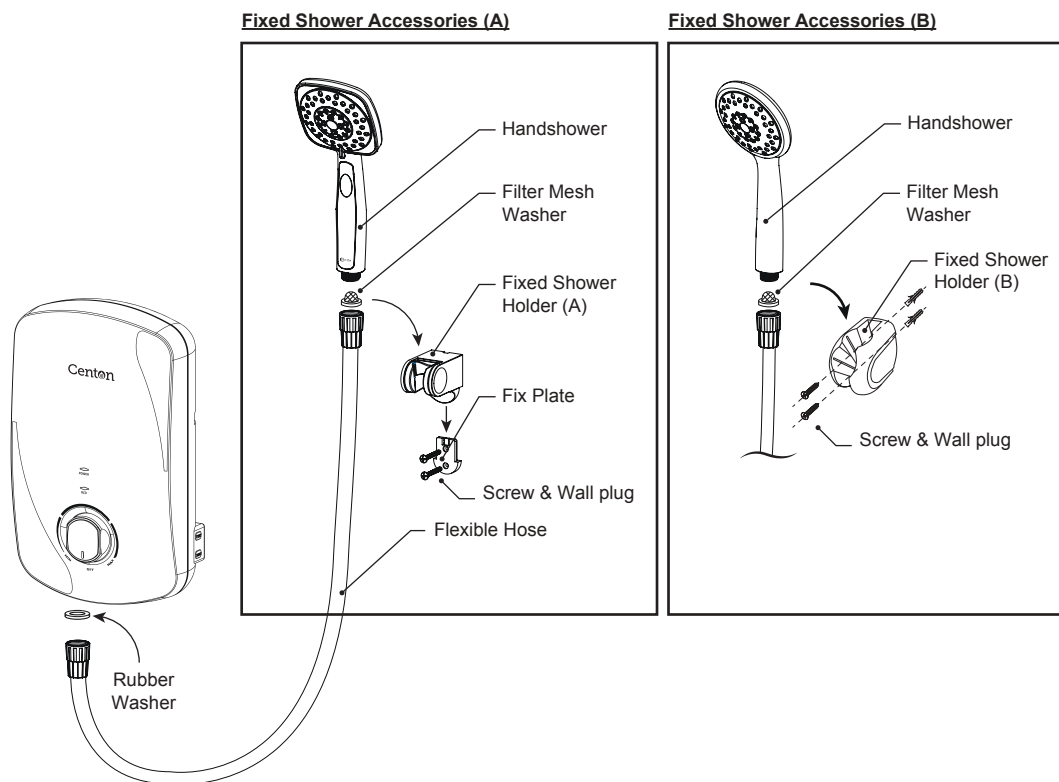
**WARNING**   
**THIS APPLIANCE MUST BE EARTHED**

1. Switch off electrical mains before carrying on the electrical work.
2. Insert electrical cable through the rubber grommet for side entry or wall embedded entry.
3. Connect cable to the terminal block and fully tighten them as follows:
  - Red or Brown ..... Live
  - Black or Blue ..... Neutral
  - Green/Yellow or Yellow/Green ..... Earth (≡)



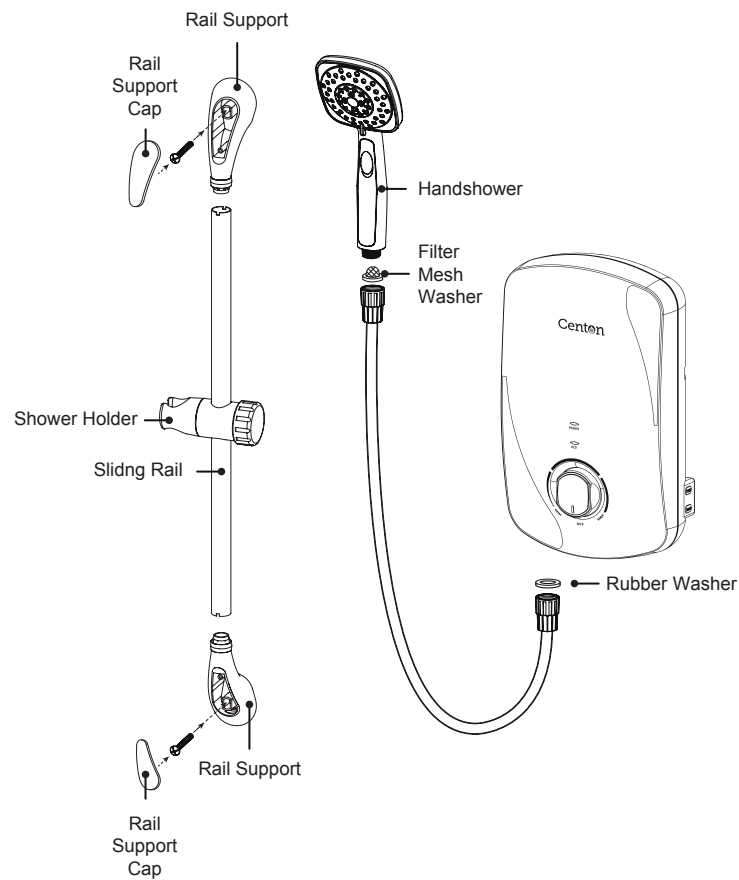
## Optional: Fixed Shower Accessories (A) / (B)

1. Determine the suitable height for shower accessories & mark for the mounting holes.
2. Mark the mounting holes for Fixed Shower Holder.
3. Drill the mounting holes & insert Wall Plugs provided.
4. Feed the Flexible Hose by securing to the heater outlet & Handshower.
5. Ensure the supplied Rubber Washer is in place at the heater outlet & the Filter Mesh Washer at the Handshower.
6. Place the the Handshower to the Fixed Shower Holder.



**Optional: Full Shower Accessories**

1. Fix the Shower Holder onto the Sliding Rail as illustrated.
2. Determine the suitable height for shower accessories and mark for the mounting holes.
3. Mounting holes are available after Rail Support Caps are removed.
4. Mark & drill the mounting holes and insert wall plugs provided.
5. Secure the accessories set with screws provided and cover the Rail Support Caps.
6. Feed the Flexible Hose by securing to the unit outlet and Handshower.
7. Ensure the supplied Rubber Washer is in place at the outlet and the Filter Mesh Washer at the Handshower.



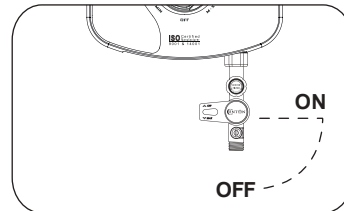
1. Switch on the heater switch outside the bathroom.

**Warning**  
 Improper earthing may result in malfunctioning of the RCD & harmful to user.  
 Never use the heater if there is doubt on the earthing installation.

- 2a. Right Angle Stop Valve (Optional)

To start the shower pull the lever in anti-clockwise direction allowing water to immediately flow through the unit.

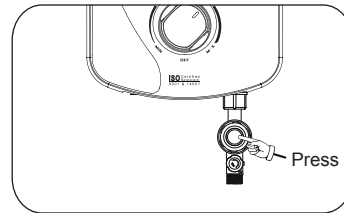
To stop the shower pull the lever in clockwise direction and the water flow will cease.



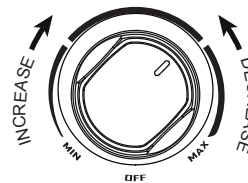
- 2b. Pop Start Stop Valve (Optional)

Press once on the stop valve round button to allow water flow through the unit.

You may stop the shower by pressing stop valve round button again.

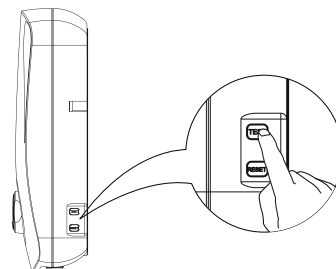


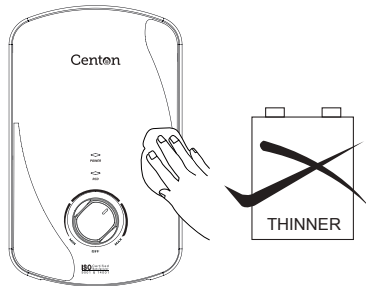
3. Turn on Temperature Control Knob by turning it clockwise. Power Indicator Light will turn ON.



5. The Built-in RCD can be tested by pressing 'TEST' & 'RESET' button on the shower unit. The POWER & RCD lights should turn OFF when 'TEST' button is pressed and restored when 'RESET' button is pressed (**for RCD model only**).

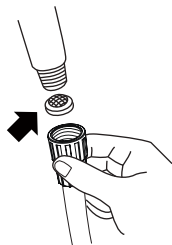
**Note: Do not use the heater and contact service agent immediately if nothing happens when these buttons are pressed.**





**DO NOT USE THINNER, ALCOHOL OR PETROL**

You may clean the heater with a damp cloth and mild detergent but do not use thinner, alcohol, petrol or any other corrosive solutions.

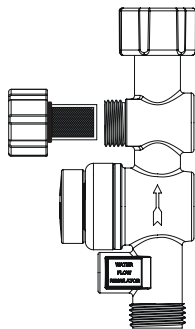


**CLEAN FILTER REGULARLY**

***Spray head shall be descaled regularly.***

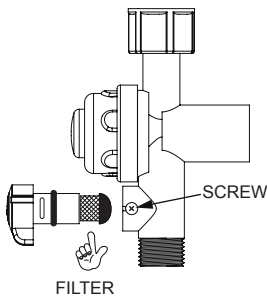
It is recommended that the filter is periodically cleaned in order to maintain the performance of the shower.

- a) - Disconnect the sprayhead from the hose.
- Remove filter and clean it using a soft brush.
- Wash it under running water.



b) **Right Angle 4 Stop Valve (Optional)**

- Remove filter cap by turning it anti clockwise.
- Pull out the filter after cap removed.
- Flush it with water.
- Reassemble filter back to its position.



c) **Pop Start Stop Valve (Optional)**

- Remove screw of regulator unit as shown.
- Remove regulator unit.
- Take out filter and flush it with water.
- Reassemble filter back to its position.

All Centon heaters are tested before leaving the factory. With proper care and usage, the heaters are durable, safe, and reliable. Use only accessories recommended by the manufacturer.

**WARNING**

1. The appliance must be earthed.
2. Do not use plumbing cement on connection. If necessary, use only thread or sealant tape.
3. If the RCD does not trip to 'OFF' position each time the 'TEST' button is pressed, contact your sales agent for repair immediately *(for RCD model only)*.
4. If your water heater malfunctions, immediately switch off the mains. Then contact the sales agent for repair. Never attempt to repair the unit yourself.

**TROUBLESHOOTING**

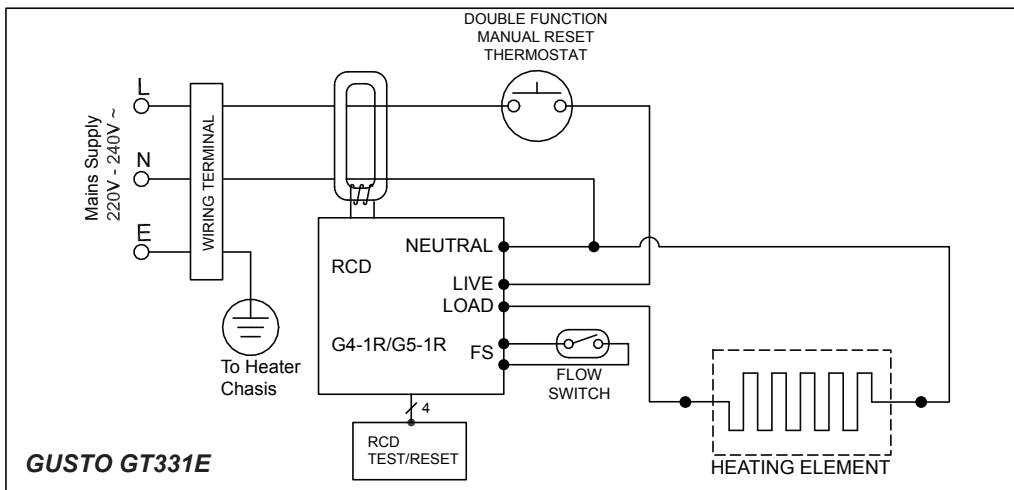
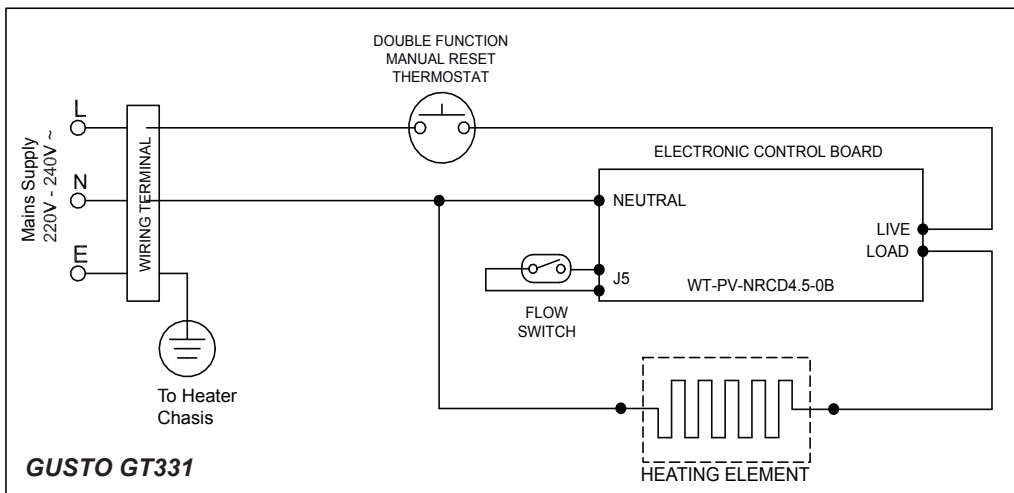
<b>MALFUNCTIONING PROBLEMS</b>	<b>CAUSE OF PROBLEMS</b>	<b>SOLUTION</b>
1) No shower coming out from heater.	a) Dirt particles blocking inlet hole or incoming valve.	a) Remove and clean incoming valve.
2) No hot water.	a) Electrical malfunctioning. b) Thermal Cut-out has operated. c) Malfunctioning on Flow Switch Assembly.	(a.b.c) Turn off the main switch and have the unit checked by qualified electrician/agent.
	d) Reduce in ambient water temperature.	d) Reduce the water flow rate.
3) Water too hot even at low temperature.	a) Not enough water flowing through the unit.	a) Refer to (1)
	b) Increase in ambient water temperature.	b) Increase the water flow rate.
4) Water suddenly goes cold.	a) Interrupted of power supply.	a) Check supply or other appliances. Consult qualified electrician/agent if necessary.
	b) Thermostat (Auto) Cut-off	b) Turn off the Temperature Control Knob from 'ON' to 'OFF', to have a warm or cold water to reset back the thermostat.
5) Water turn off, indicator light still on (power still on).	a) Flow switch malfunction.	a) Turn off the main switch immediately, and replace Flow Switch by qualified electrician.
	b) Triac faulty.	b) Replace triac.

# SPECIFICATION

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Model Electrical Rating	- Available in 3kW - 6kW, 220-240Vac, 50/60Hz
Minimum Water Flow Rate	- 2.5 liters/min
Minimum Water Inlet Pressure	- 20kPa (0.2bar / 2.9psi)
Maximum Water Inlet Pressure	- 0.38MPa (3.8bar / 55psi)
Shower Temperature Control	- Electronic Control
Water Connection	- 15mm dia. (1/2" BSP)
Dimension (Heater)	- 190mm x 308mm x 88mm (H)
Weight (Heater without RCD)	- 1.03 kgs
Weight (Heater with RCD)	- 1.04 kgs

## Schematic Wiring Diagram



ref. number:2.475A-1\_Rev1\_18052023