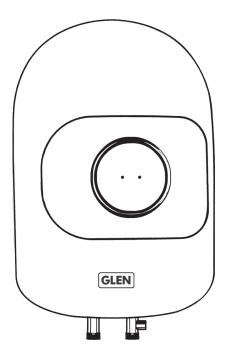
# ELECTRIC INSTANTANEOUS WATER HEATER





WH-7051 3 Ltr - 3 KW & 4.5 KW

Helpline: 9266655555

E-mail: service@glenindia.com, info@glenindia.com

USER'S GUIDE

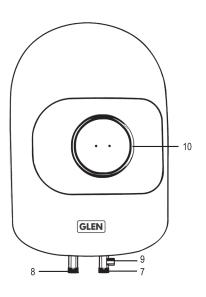
Dear Customer,

We congratulate you on choosing a GLEN Instant Electric Water Heater.

Meticulously designed, using only the highest quality materials and components, your electric water heater have many years of trouble free service.

To enable your electric water heater to give you many years of perfect trouble free service, we recommend you to follow the instructions of the service manual carefully.

## **Identifying Your Water Heater**



6 5

- 1. Front Casing
- 2. Inner Container
- 3. Heating Element
- 4. Thermostat
- 5. Cut-out

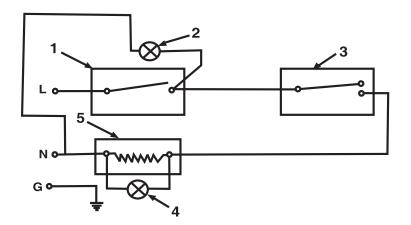
- 6. Back-casing
- 7. Inlet
- 8. Outlet
- 9. Safety Valve
- 10. LED Lamp

## **Installing Your Water Heater**

- 1. The appliance must be installed in compliance with current local regulations.
- 2. Mount the water heater vertically on the wall by fixing the 3 bolts (1/CX2")
- 3. Connect the inlet to the cold water of the mains by means of a 1/2'' BSP female pipe fitting.
- 4. If the operating pressure in the water heater is above 6.5 bar (95p.s.i.) fit a pressure reducing valve.
- 5. Connect the outlet pipe of the appliance to the hot water supply system by means of a 1/2" BSP pipe fitting.
- Care to be taken to avoid damage caused by applying excessive force while connecting

## **Electrical Connections**

 Refer wiring diagram to check electrical connections. Ensure proper earthing at 3 pin supply point.



- 1. Cut-out
- 2. Indicator Lamp Red
- 3. Thermostat

- 4. Indicator Lamp Green
- 5. Heating Element

Note: Main's cord or any other electrical component must be repaired/replaced by authorized service personnel only. Minimum contact separation of 3mm is required

in all poles for disconnection

Mains Cord: 48/0.2 (1.5mm2) 3.0 KW.

80/0.2 (2.5MM2) for 4.5 KW

# Warning: Do not switch on the water heater if there is a possibility that water in the heater is frozen.

- Check that the electric data shown on the date plate corresponds to those
  of the electric supply available.
- 2. Minimum contact separation of circuit breaker 3mm.

## **Safety Devices**

### A. Safety Valve

In - built safety (pressure relief valve) is set to operate 6 Bar Service the safety valve at least once in 6 months Glen service persons. Close inlet water supply. Remove dirt / scales from the water connection side. Push rubber disk gently to ensure it is not stuck. Do not tamper with the sealed screw other wise pressure setting will get disturbed. Fix back after replacing old fibre washer. Check for any leakage before switching on electric supply

#### B. Thermal Cut-Out

Stem type nonself-resetting Thermal Cut out set to operate at temperature below 96°c and disconnects electrical supply for extra safety. Please contact qualified service personnel in such an event.

#### C. Thermostat

Stem type self-resetting; Automatic Resetting type, ON/OFF indication by red lamp.

## **Maintenance & Cleaning**

Installation is to be done by qualified personnel only, Glen Appliances Pvt. Ltd. cannot be held responsible for the damages caused by wrong installation, faulty material, using substandard water or for not following instructions included in this instruction manual, particularly:

- Installation of the water heater should be done by qualified personnel only
- When newly installed, make sure that the water flows freely from the outlet tap (or spout) before electric supply is switched on.
- Inlet water line should be continuously open when water heater is in use except when it is being serviced.
- The temperature of the water can be regulated by controlling the flow through hot water stop cock.
- When no more hot water is required the electric supply must be switched 'OFF' before the hot water stopcock is closed.
- Switch off water heater when not in use.
- The Green indicator lamp which is ON during the normal operation, turns OFF when the thermal cut-out is activated. Contact qualified service personnel in this event.
- Use pressure reducing valve in case operating pressure In the water heater is higher than 6 bar.
- The electrical connection should be in accordance with the instruction given refer page 3.
- The safety valve needs to be service at least once in 6 months.

# **Specifications**

Features	7051 INSTANT 3 Ltr	r WH - 3 KW/4.5KW
Туре	Electric Instantaneous Water Heater	
Rated Capacity in Ltr.	3	3
Mounting	Vertical	
Rated voltage in volts & frequency in Hz.	230V, 50Hz, A.C	
Rated power input in Watts	3000	4500
Rated Pressure	6 Bar	
Indicator Lamps	Green-Thermo	ostat Operation
	Red-Cutou	t Operation
Safety Valve	95-10	9 p.s.i
Inner Container	SS :	304
Outer body	Polypro	pylene
Heating Element	Heavy Du	ıty Copper
Star Rating	1:	SI
Reheating Time in Mins. To raise 50°C (Max.)	NA	
Mean hot water output temp. °C (Min.)	75	
Mixing Factor Maximum (%)	NA	
Water Proof Degree	IPX1	
Weight Empty (Kg.)	2.6	2.7

**Note:** The dimension may vary from model to model without affecting the capacity. Due to continues improvement in product, specifications are subject to change without prior notice.

# **Troubleshooting**

#	Failure	Reason	Treatment
1	Water Heating takes longer time than Instruction manual	Scaling on the Heating element cause slower water heating thermometer.	Get the Heating element de-scaled from authorised service person or replace with genuine spare parts recommended by company
			Measure the temperature of water using Adjust the flow rate at 3 Ltrs/min
		Low voltage at certain places	Check the voltage at customer's place
2	Equipment creates abnormal Noise	High voltage fluctuations, Hard water	Recommend Spare Heating element with low watt density (8W/cm)
	Equipment creates hissing Noise	Due to scaling on Heating Element	descaling Heating element

3	Unit not working	Power point may not be working	Need the line at customers place to be checked
		Check for any short circuit of harness/Power	
		Cut out operated due to dry heating	Reset Cut out
		Heating element might not be functioning (may be due to Dry heat or short/Crack/ burst /heavy scaling)	Replace Heating element
4	Leakage of the unit	Rusting of the tank	Check from where the leakage is (tank, collar, gasket, Heater plate), Replace or repair based on the observation
		Not enough torque to the bolts on HP / HE flange	Replace or repair based on the observation
		Leaking from Heating element brass flange (Instant water heater)	Replace Heating element
5	No Hot water out put	Heating element not working	Reset Cut out
		Thermostat low setting (check if someone tampered the setting in Instant water heater)	
		Cut out trip	
		Inlet valve closed	Open the inlet valve
6	User gets mild shock when using Water heater	Improper earthing at customers place	Check for proper earthing & if not then suggest customer to do it properly
7	Outlet water blockage	Heavy scaling on Outlet pipe opening end	descaling the product from authorised service personel
8	Leaking from MFSV (Safety valve)	Excess pressure than rated pressure	Check the pressure when unit is in ON condition, ensure Inlet line is ON.  Note: When MFSV is dripping, it ensures safety of Put from excess pressure. Put drain pipe at MFSV with clip
		Check NRV position from inlet pipe	It should be minimum 12 feet from equipment
			Check if PRV is there in high rise building
9	Water Heater unit burnt	Short circuit of the harness / Power Cord	Replace Harness asm or Power Cord
		Use of Low amp Power Cord	
10	Smell comes out of water	If Water heater unit is not used in 15+ days, water inside smells for some time	Flush out 2 times capacity of water heater.

# **Precautions During Operations**

#	DOs	REMARKS
1	Installation of water heater should be done by qualified person only, preferably from Glen service.	Product warranty will get void in case of wrong installation.
2	Use pressure reducing valve in case rated water pressure is higher than recommended.	To Avoid Water dripping from safety valve.
3	Inlet water line should be continuously Open when water heater is in use except when it is being serviced.	
4	Ensure proper leveling of the unit while doing Installation	If tilted, it may affect the hot water out put quantity
5	Ensure proper earthing at the place of installation	Chances of getting Shock
6	Use ISI marked or Branded company Power Plugs only.	Use 16 Amp Power Plug only
	Use of two spanners suggested while installing the product (connecting the hose pipes)	There may be a chance of crack on the pipes if we don't do so
8	Ensure water coming out from outlet prior switching the unit ON (first time)	If no water inside tank, unit goes into dry heat causing damages, burning etc.
9	It is recommended that the IN/OUT pipes, Heating Element and Safety valve be de-scaled at least once in 6 months through proper Glen service only.	This helps in Improving product life.
10	As per the safety norms Thermostat, Cut out are set at desired temperatures and Safety Valve set at desired pressure and its recommended not to change the settings	Product warranty will get void if setting changed.
11	Power OFF the unit while servicing the water heater unit	Chances of product burning/Safety purpose
12	Use Only Genuine company spare parts from authorised service centers	Product warranty will get void if used other than company recommended spare parts
#	DON'Ts	REMARKS
1	Use connectors in case if is required to connect another cord with main power cord came along with the product.	Chances of product burning/Safety purpose
2	Do not tamper the thermostat setting	As per safety standards, thermostats are set at desired temperatures. Recommend not to change the settings
3	Do not switch ON the product without checking the watercoming out from outlet	Chances of product burning
4	Do not adjust / disturb Safety valve setting	As per safety standards, Safety valve are set at desired pressure. Recommend not to change the settings.

WARRANTY







## Warranty

This GLEN Instant Electric Water Heater is fully warranted against any defect arising out of defective materials or faulty workmanship for a period of two year from the date of purchase. Should any defect develop in this product, the customer should bring the product to the nearest authorised service centre, where the company undertakes to get the product repaired free of charge. GLEN gives 5 years warranty on tank and 2 years on Heating Element.

## This warranty is not valid if:

- The use and care instructions have not been followed.
- Defects are caused by accident, misuse, abuse or commercial use.
- The repair work is carried out by persons not authorised by the company.
- The serial no. has been deleted, defaced or altered.
- Any modification or alteration of any nature is made in the product.
- Normal wear & tear of the product is not covered under warranty
- The bill/cash memo and copy of warranty card is not presented.
- If the water heater has been used for commercial purpose.

PRODUCT: INSTANT FLECTRIC WATER HEATER WH 7051

Under no circumstances, whether based on limited warranty or otherwise shall the company be liable for incidental, special or consequential damages. Use of product indicates acceptance by you of the aforesaid terms and conditions

serial no				
Date of Purchase				
NAME OF OWNER				
ADDRESS				
BILL NO				
DILL NO.				
DEALER'S STAMP & SIGNAT	URE			

## GLEN APPLIANCES PVT. LTD.

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