

# **GAS WATER HEATER**

## **OWNER`S MANUAL**

Thank you very much  
for purchasing our water heater.  
Please read this owner`s manual carefully  
before using the unit.  
And retain it in handy place  
for future reference.

**ISO 9001-2008**

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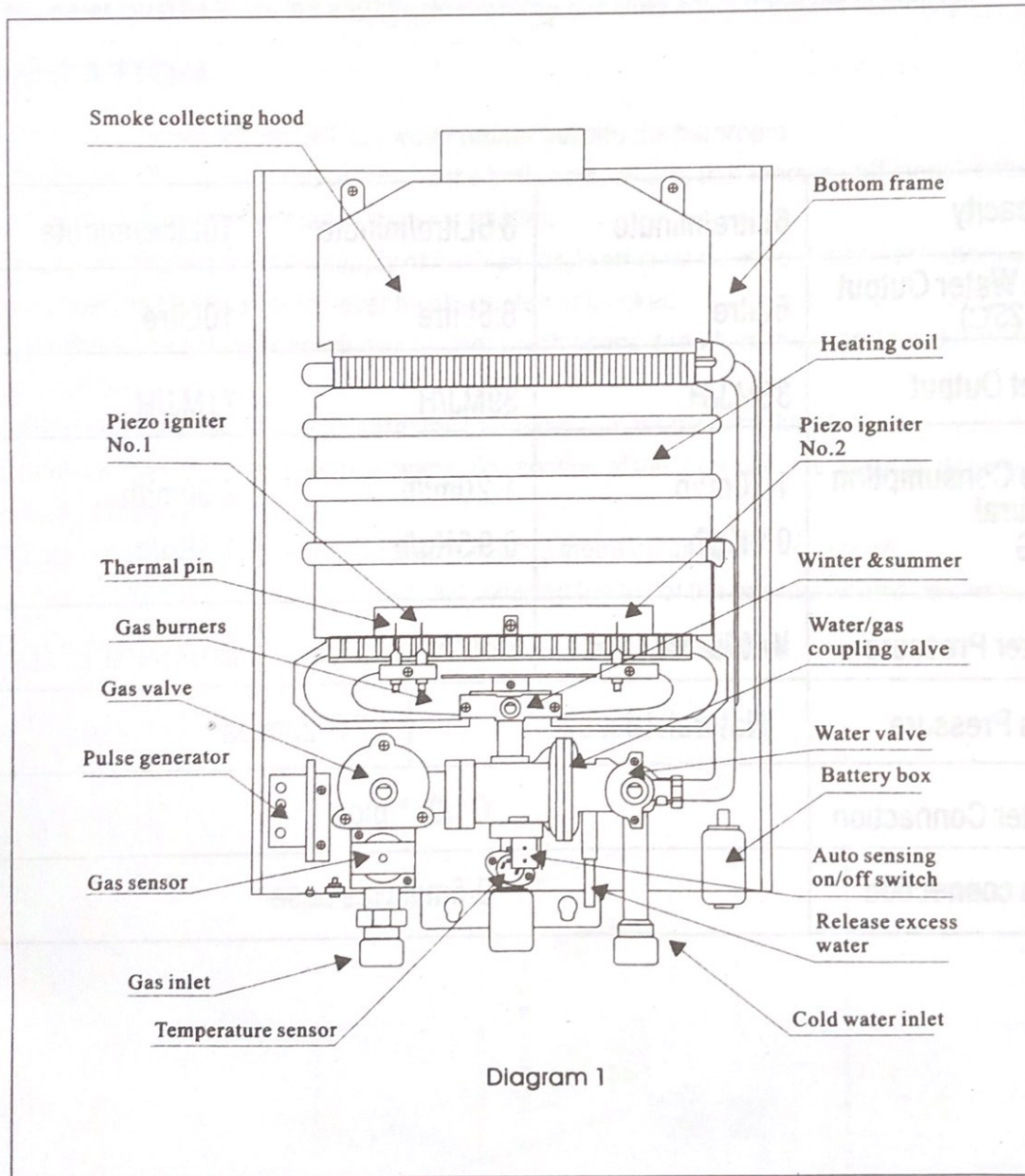
# Features

- 6/10litres/minute hot water with temperature rise of 25°C
- Battery operated automatic IC ignition
- Flame failure device
- Incomplete combustion safety device
- Over Water temperature protection device
- 20 minute in-built timer
- Pressure release and drain valve (2 in1)
- Gas volume regulator
- Water volume regulator
- Manufactured by ISO9001 certified Company

# INSTALLATION

## INSTANT GAS WATER HEATER

### Product particulars & Dimensions



## TECHNICAL DATA

Capacity	6Litre/minute	6.5Litre/minute	10Litre/minute
Hot Water Output ( $\Delta T=25^{\circ}\text{C}$ )	6Litre	6.5Litre	10Litre
Heat Output	36MJ/H	39MJ/H	71MJ/H
Gas Consumption Natural LPG	1.10m <sup>3</sup> /h 0.9Kg/h	1.20m <sup>3</sup> /h 0.95Kg/h	2.00m <sup>3</sup> /h 1.8Kg/h
Water Pressure	Min.0.3bar Max.5.0bar	Min.0.3bar Max.5.0bar	Min.0.3bar Max.5.0bar
Gas Pressure	Natural-18m bar		LPG-28m bar
Water Connection	G1/2 " pipe		
Gas connection	9.5mm Gas hose		

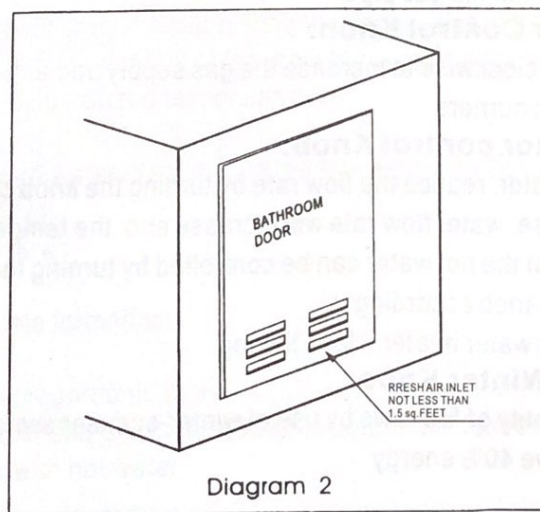
# INSTALLATION

## IMPORTANT

- Before using the heater, please read the instructions carefully. Always retain the User's manual for future use.
- It is not only quality but also correct installation which will ensure that your heater works to your satisfaction.
- The heater must be installed and checked only by qualified and authorized technician.

## LOCATION

- It is always advisable to install gas water heater outside the bathroom.
- In rare case, if it is to be installed inside the bathroom, ensure that there is sufficient Ventilation.
- Consult authorized technician in such installation.
- The heater requires plentiful supply of fresh air for its efficient working. Fixed ventilators or air inlets near the heater should never be obstructed or blocked.
- There should be at least one window or door which opens directly to the outside or out on to a well (OTS)
- Air from outside shall be able to enter the bathroom / location where the heater is installed through an inlet in a wall, door or window. The section of the direct air inlet shall be at least 1.5 sq.feet. (Diagram 2)
- The burner viewing window should be at 1.4 to 1.5 metre height from the ground.
- There must be minimum distance of 1 feet between the top of the gas heater and ceiling of the wall for the easy removal of flue gases



## PRECAUTION

Before installation, please check the following:

- Check that the gas supply meets the specification (LPG/Natural Gas) given on the heater.
- Ensure that the Water and Gas pressure are correct.
- Do not install Gas water heater near the inflammable, explosive or acidic environment

## FIXING

- Drill two holes on the wall and fix the screw nails into the wall. Mount the Gas Heater on the nails.
- Ensure that the Gas and water connection pipes are free of dirt/ waste material and thoroughly clean.
- Connect the Gas pipe, Inlet and Outlet water connections.
- Insert two dry batteries of 1.5V in the battery box in correct polarities.
- Insert two dry battery box.
- Before starting, ensure that there is no gas leakage from the gas connection

## OPERATING INSTRUCTIONS

- Open water tap. As soon as water starts flowing, the multiple spark will the ignite main burners.
- If burners do not ignite, then close the tap and repeat the operation. This may happen because of more air in the gas pipe.
- **Gas Regulator Control Knob:**  
Turn the gas knob clockwise to increase the gas supply and anti-clockwise to decrease the gas supply to main burners.
- **Water Regulator control Knob:**  
To get more hot water, reduce the flow rate by turning the knob clockwise. If you turn the knob anti-clockwise, water flow rate will increase and the temperature of hot water will reduce. The temperature of the hot water can be controlled by turning the gas control knob and /or the water flow control knob accordingly.  
To shut off the gas water heater, close the tap.
- **Summer and Winter Knob:**  
Regulate the quantity of fire rows by use of winter-summer switch device, in summer, shut off 1/4 fire rows to save 40% energy

# SAFETY MEASURES

- To prevent gas leakage always close the main gas supply to the heater.
- Do not put any cloth or towel on the top of the gas water heater.
- If you find any smell of gas leakage, immediately close the gas cock and open all doors and windows. Do not switch on/off any electrical instrument immediately. Call a qualified service technician.
- **Freezing Prevention:**  
In winter if water temperature goes below 4°C, drain out water completely from the gas water heater through drain valve to avoid any damage to the heater because of freezing.
- If water heater does not require to be used for long time please:
  - Drain water from gas heater drain valve
  - Remove the batteries from the battery box
- Please avoid touching burner viewing window while the heater is on.
- Check the gas pipe regularly for aging cracks etc. As it may cause gas leakage. It is recommended to replace rubber gas tube at the interval of six months.

# MAINTENANCE

- The heater must be checked for safe operation annually, regardless of frequency of use. This refers principally to the correct combustion of the main burners. Maintenance should be carried out by a qualified and authorized technician only.
- If the heater is installed in hard water area, in time the following may occur.  
Fall in hot water temperature or  
A reduction in the hot water flow
- This happens because of scale formation
- Since the scale formation is proportional to the outlet water temperature to reduce scaling, it is recommended to use the water and gas control knob to obtain the desired water temperature instead of mixing cold water with hot water
- The scaling should be removed by authorized technician only.

## TROUBLE SHOOTING MANUAL

<b>TROUBLE</b>	<b>CAUSES</b>	<b>REMEDIES</b>
<b>Unsuccessful Ignition</b>	<b>Main gas cock and /or cold water tap is not opened</b>	<b>Open main gas cock and/or cold water tap</b>
	<b>Dry cell used up</b>	<b>Replace the batteries</b>
	<b>Gas pipe is full of air</b>	<b>Repeat the operation</b>
	<b>Non avail ability of Gas supply</b>	<b>Replace the LPG bottle Or inform to the gas company for the natural gas supply Check the water Pressure and increase the water pressure</b>
<b>Heater dose not start</b>	<b>Low water pressure (lessthan0.3bar)</b>	
	<b>Water inlet filter is clogged</b>	<b>Clean the filter</b>
<b>Fire goes off during operation</b>	<b>Gas cock is half open</b>	<b>Turn them ain cock fully</b>
	<b>Gas pressure is too low</b>	<b>Call the technician</b>
<b>Abnormal flame and smell</b>	<b>Blocked burners</b>	<b>Deliver it to the nearest service center</b>
<b>Flame turns Yellow with Smoke</b>		
<b>Abnormal ignition noise</b>		

## MAINTENANCE RECORD CARD

DATE	MAINTENANCE ITEM	REPLACED PARTS	MAINTAINER

Our company wills practices the perfect service after sale to the products on the basis of the “Guarantee Register Card” Please make sure filling in the Card clearly and send it to the maintenance department of our company within 15 days after your purchasing it. There is a year`s free guarantee for the appliance from the day of purchase, and we shall give our rapid response to users complain about the quality of our products basing on the Card. Thank you for your cooperation.

## GUARANTEE REGISTERED CARD

PRODUCT NAME			
MODEL		PROD. LOT NO	
USER NAME		PURCHASE DATE	
ADDRESS:			
TELEPHONE:			
NAME AND ADD OF PURCHASE SHOP:			