

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.

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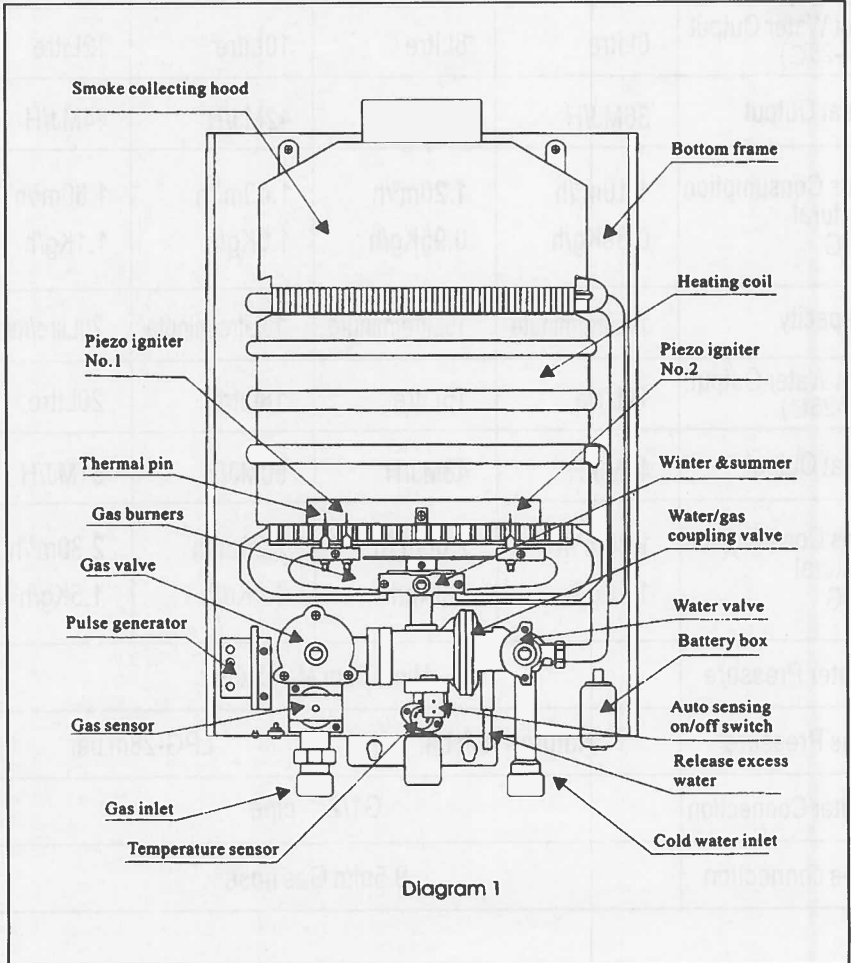
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Features

- **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**

INSTANT GAS WATER HEATER

Product particulars & Dimensions



TECHNICAL DATA

Capacity	6Litre/minute	8Litre/minute	10Litre/minute	12Litre/minute
Hot Water Output ($\Delta T=25^{\circ}\text{C}$)	6Litre	8Litre	10Litre	12Litre
Heat Output	36MJ/H	40MJ/H	42MJ/H	44MJ/H
Gas Consumption Natural LPG	1.10m ³ /h 0.85Kg/h	1.20m ³ /h 0.95Kg/h	1.40m ³ /h 1.0Kg/h	1.60m ³ /h 1.1Kg/h
Capacity	14Litre/minute	16Litre/minute	18Litre/minute	20Litre/minute
Hot Water Output ($\Delta T=25^{\circ}\text{C}$)	14Litre	16Litre	18Litre	20Litre
Heat Output	46MJ/H	48MJ/H	50MJ/H	51MJ/H
Gas Consumption Natural LPG	1.80m ³ /h 1.2Kg/h	2.00m ³ /h 1.3Kg/h	2.20m ³ /h 1.4Kg/h	2.30m ³ /h 1.5Kg/h
Water Pressure	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			

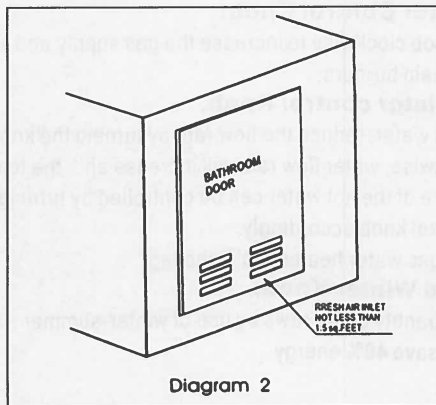
INSTALLATION

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 pipi 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

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

MAINTENANCE RECORD CARD

DATE	MAINTENANCE ITEM	REPLACED PARTS	MAINTAINER

Our company will 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:			