

# Technical Specification

Product Description	
Wall Mounted, room sealed, fan assisted Water Heater with electronic control for water temperature and safety operation	
Model Name	RSW10KL
Specification	
Gas Type	37mbar – G31 Propane Only
Gas Category	I <sub>3p</sub> @30/37/50 mbar
Gas Burner Pressure	Internally Regulated to 19.0 mbar
Efficiency	Gross Efficiency 91.8%
Nominal Energy Consumption	20kW
Minimum Energy Consumption	6.5kW
Water Pressure	Max Min
	8.0 bar 0.18 bar
Min Water Flow - Litres/min	High Low
$\Delta t = 50^{\circ}\text{C}$	5.25 2.4
$\Delta t = 25^{\circ}\text{C}$	10.5 3.3
Nominal water Flow	10Litres/min
Supply Voltage	220-230V a.c. 50Hz
Power	60 W
Gas Consumption	M <sup>3</sup> /hr Kg/hr
High (20kW)	0.752 1.43
Low (6.5kW)	0.244 0.46
Appliance Type	C <sub>13</sub>
Degree of Electrical Protection	IPX4D
Combustion Flue Gas Temperature	147°C

# SLIMTRONIC

Slim, Efficient, Room sealed, Ecological

RSW10KL

## Safe and Efficient water heating



Hot Water the moment you want it:  
*Electronic ignition makes it happen.*



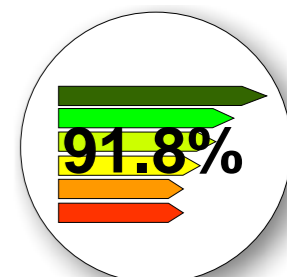
Comfortable constant hot water with Miniflow technology:  
*Microprocessor technology looks after it.*



Soothing stable water temperature:  
*Microprocessor technology looks after that too.*



Energy efficiency:  
*Reduced gas consumption, reduced costs, reduced waste.*



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A CARVER Group Company



The Environment - All Widney Heating Systems are supplied in 100% recyclable packaging. They are WEEE compliant and approved to the latest European Standards



## Instantaneous heat without storage

The SLIMTRONIC is an instantaneous Gas water heater with constant monitoring of water flow and temperature to deliver safe and efficient water heating at minimal cost.

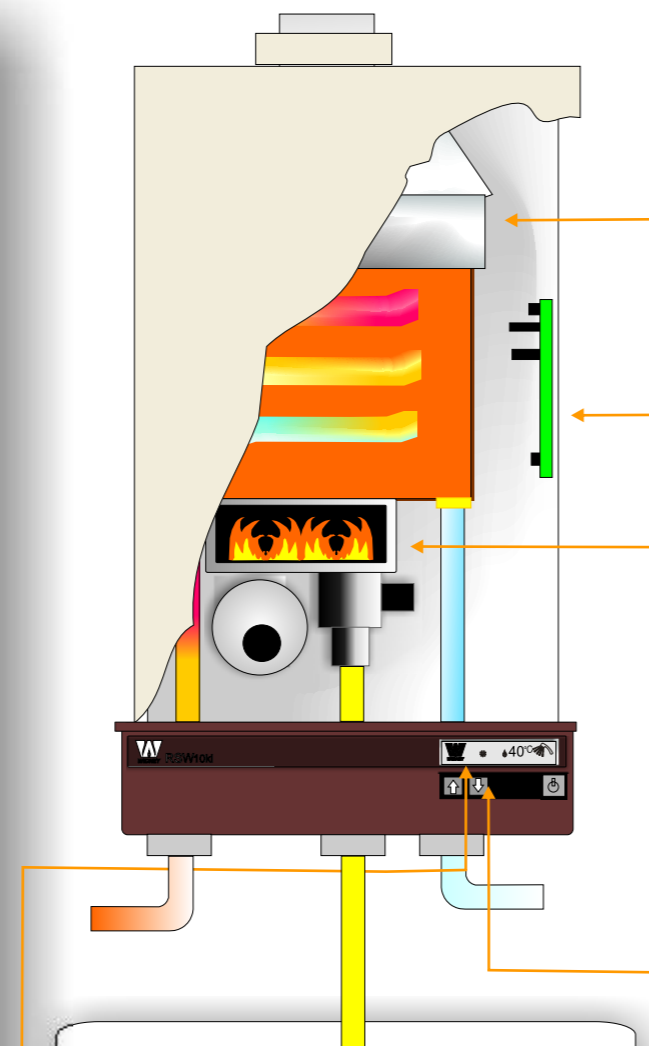
### HOW DOES IT WORK?

Cold water is taken from the mains and enters the water heater through an electronic water valve that measures the water flow and temperature.

This measurement is then converted by a microprocessor and a command is given to the electronic control valve to adjust the gas and air mix to the gas burner. The gas burner uses a 6 stage element to provide the required heat to warm the water to the temperature set by the electronic control.

All this happens automatically when a tap or shower is turned on. The user only has to set the electronic touch control to the desired water temperature, the water heater does the rest.

Room sealed construction means it can be fitted in any room. Built in, CE approved safety systems, ensure that the product shuts down safely should a fault occur.



The SLIMTRONIC is designed to meet the demands of modern day living and is easy to operate with touch pad controls.

The LED temperature display and adjustment is also controlled by touch pad.

MINIFLOW technology enabling the water heater to operate at very low water and gas pressures.

## Microprocessor Control for efficiency

The SLIMTRONIC incorporates a high efficiency heat exchanger with a triple solenoid valve controlled by an integrated electronic circuit. Efficiency is further enhanced by the elimination of a permanent pilot.

The microprocessor within the SLIMTRONIC constantly monitors the flow of inlet water and adjusts the heat required from the burners.

The three burners enable the SLIMTRONIC to adjust across a range of water pressures. Sophisticated controls ensure that warm water is delivered at the desired temperature, upon demand.

And for ease of installation the SLIMTRONIC, as its name suggests, is very compact and because it is a fully sealed system the product is fully approved for use in bathrooms or similar areas

