



## JUST THINK...NO MORE COLD SHOWERS OR TEPID BATHS

Rinnai Gas Continuous Flow Hot Water systems heat water to your required temperature as and when you need it. There's no storage cylinder, so hot water virtually never runs out and there are no bills for heating water you don't require.

The whole family can shower one after the other and the water just keeps flowing. What's more, digital controllers allow you to set the exact temperature you require from anywhere in your home.

- Hot water need never run out - stay in the shower or bath as long as you like.
- You don't pay to keep hot water sitting in a cylinder - water heats on demand.
- No more mixing hot and cold water to get your required temperature. Rinnai's digital controllers give you precise control at the push of a button.

## SAFETY FEATURES

The 'point-of-use' water temperature adjustability provides a significant safety feature in that the hot water temperature can be controlled to help avoid scalding. This is particularly important with young children or infants.

A number of other safety features are also incorporated. These are:

- HEAT EXCHANGER THERMOSTAT:** measures hot water temperature at heat exchanger outlet. If water temperature reaches a predetermined limit, gas supply is stopped.
- HOT WATER OUTLET THERMISTOR:** measure hot water temperature at the water heater outlet.
- FLAME ROD:** constantly monitors combustion characteristics inside the combustion chamber. If the flame fails or lifts, gas supply is stopped.
- OVER HEAT SWITCH:** situated on the heat exchanger, gas supply is stopped when water temperature reaches a predetermined limit.
- FUSIBLE LINK:** situated on the heat exchanger, electrical power supply is stopped if the water (steam) temperature reaches a predetermined limit.
- WATER PRESSURE RELIEF VALVE:** opens at 2060kPa and closes at 1470kPa to safeguard the water circuit.
- ELECTRICAL FUSE & SURGE PROTECTOR:** 3 Amp fuse and surge protector prevents against over current.
- BOIL DRY PREVENTION:** If water flow sensor detects no flow, gas supply is stopped.
- COMBUSTION FAN RPM CHECK:** in case of combustion fan defect, gas supply is stopped.

## WITH RINNAI'S DIGITAL CONTROLLERS, YOU'RE IN CONTROL!

Digital control pads located inside the home allow you to simply dial the desired water temperature for up to four different locations. You can set water at a safe temperature for the bathroom, then set it higher in the kitchen or laundry.

- No need to mix hot and cold water to achieve the right temperature, a more efficient method
- No more hot or cold blasts in the shower. If someone turns another tap on somewhere in the house, the controller ensures that the water is still delivered to you at the desired temperature
- Self diagnostic display that tells you if there are any problems such as disruption to the gas supply



*“Providing Solutions to all your Hot Water requirements”*



# Commercial

# Rinnai

HOT WATER SYSTEMS



## MANIFOLDING CONFIGURATIONS

Showers can be run directly from the units, removing the need for thermostatic mixer valves. The chosen temperature is always maintained, regardless of other outlets being turned on.

Each heater can supply 1000 litres/hour at 35°C temp rise, or mixed in the traditional way by setting the temperature at 55/60°C. They are ideal for nursing homes, commercial kitchens, hotels, sports clubs etc, as well as domestic situations in larger houses.

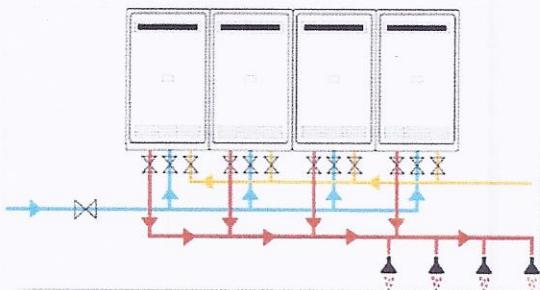
The Rinnai Infinity water heater is the ultimate in safety features. One of many safety features automatically cuts the heater off should the temperature rise by 3°C above chosen. This could be due to a sudden drop in water pressure. Scalding is a thing of the past with Rinnai.

If pipework warrants a re-circulation system, this can be achieved by setting the temperature of the water at 55/60°C. Up to five heaters can be set up in this way for larger installations.

## STORAGE CONFIGURATIONS

Rinnai Infinity water heaters can be used as circulators to maintain the temperature in a large storage vessel. This approach could be used where the hot water requirement exceeds the flow capacity of manifolded units, or where there is an intermittent large demand for hot water in buildings such as hotels, hospitals, apartments etc.

Multiple Rinnai water heaters can be linked to a storage vessel, and more than one vessel can be linked to another for larger installations.



## PAM VALVE

The PAM Valve is a manual system which is installed on each Infinity unit in a Manifold System. It enables temperature preset Infinity units to be turned on in sequence as they are required. The PAM Valve is available with all models of Rinnai Infinity.

## ELECTRONIC CONTROL SYSTEM

An Electronic Control System links each infinity unit in the Manifold and will turn each one on as it is required. To minimise wear and tear and to reduce maintenance costs, the electronics also rotate the work load between each Infinity unit.

This system is designed to ensure gas energy is not wasted and that an endless supply of hot water is always available. Hot water temperature can be controlled from a separate controller. The Electronic Manifold Control System is available only with Infinity models 24, 26 and 32.



## WARRANTY

All industrial units have a 10 year warranty on the heat exchanger and 2 years on parts. The units have specially designed heat exchanger's ensuring a long life for those hard working applications.



## RINNAI INFINITY SINGLE UNIT SPECIFICATIONS (EXTERNAL)

	DOMESTIC	HEAVY DUTY	
MODEL	INFINITY 20	INFINITY 26	INFINITY 32
Suitable for	2bth + homes	2bth + homes	2bth + homes
Hot water capacity	2.4 - 24lt/min (1440lt/hr)	2.7 - 26lt/min (1560lt/hr)	2.7 - 32lt/min (1920lt/hr)
Height	530mm	600mm	600mm
Width	350mm	350mm	470mm
Depth	170mm	224mm	220mm
Input (max)	160Mj/hr 44kW input	199Mj/hr 55kW input	250Mj/hr 70KW input
Water Pressure (min)	160KPA	170KPA	180KPA
Water temp. Range	37°C to 55°C (when fitted with controllers)		
HEAVY DUTY Water temp. Range	Preset 55°, 45°, 50°, 65°, 75°C	Preset to 55°, 65°, 75°, 85°C	Preset to 55°, 65°, 75°, 85°, 95°C
Water Flow (min)	2.7lt/min	2.7lt/min	2.7lt/min
Gas Type	Natural Gas or LPG		

## RINNAI INFINITY MANIFOLD UNITS & STORAGE

Number of Infinity 24 Units	Maximum Gas Consumption (Mj/Hr)	Storage Tank Capacity (liters)	First hour (litres produced)	Second hour (liters produced)	Approx. Recovery Time (minutes)
1	188	315	1004	720	26
2	376	315	1724	1440	13
3	564	315	2444	2160	9
1	188	600	1260	720	50
2	376	600	1980	1440	25
3	564	600	2700	2160	17
4	752	600	3420	2880	13
5	940	600	4140	3600	10
1	188	800	1520	720	67
2	376	800	2160	1440	33
3	564	800	2880	2160	22
4	752	800	3600	2880	17
5	940	800	4320	3600	13
1	188	1000	1720	720	83
2	376	1000	2340	1440	42
3	564	1000	3060	2160	28
4	752	1000	3780	2880	21
5	940	1000	4500	3600	17
6	1128	1000	5220	4320	14

## RINNAI INFINITY MANIFOLDED UNITS

MANIFOLD UNITS	2 UNITS		3 UNITS		4 UNITS		5 UNITS		6 UNITS	
TEMPERATURE RISE °C	INFINITY 24 LT/HOUR	INFINITY 32 LT/HOUR	INFINITY 24 LT/HOUR	INFINITY 32 LT/HOUR	INFINITY 24 LT/HOUR	INFINITY 32 LT/HOUR	INFINITY 24 LT/HOUR	INFINITY 32 LT/HOUR	INFINITY 24 LT/HOUR	INFINITY 32 LT/HOUR
30	2396	3187	3595	4780	4793	6373	5991	7967	7189	9560
35	2054	2731	3081	4097	4108	5463	5135	6829	6162	8194
40	1797	2390	2696	3585	3595	4780	4493	5975	5392	7170
45	1598	2120	2396	3187	3195	4249	3994	5311	4793	6373
50	1438	1912	2157	2868	2876	3824	3595	4780	4313	5736
55	1307	1738	1961	2607	2614	2476	3268	4345	3921	5215
60	1198	1593	1797	2390	2396	3187	2995	3983	3595	4780

### BENEFITS USING RINNAI HOT WATER SYSTEMS

#### Home:

- \* Fingertip water temperature control
- \* Endless hot water
- \* Space saving, compact size
- \* Delivers greater water flow rates than instantaneous models
- \* Flexibility - can be used on its own or in conjunction with a storage tank, heat ex-changer etc.

- \* Economical operation
- \* Longevity
- \* Temperature cutout
- \* Increased safety
- \* High efficiency

#### Commercial:

- \* Capital outlay is much less compared to complex high maintenance boiler units.
- \* Can replace or work in conjunction with existing electronic or solar storage systems.
- \* No on-site construction or assembly - the only on-site work required is connecting water, gas and electricity.
- \* Inbuilt redundancy - failure of one component does not mean there is no hot water.

