

# MicroHeat<sup>™</sup>

## Smarter Water Heating

A new approach to heating water, a new benchmark in safety & performance



## CFEWH Series 1 – Single Phase

Point-of-use and  
Whole of House Solution  
Electric Continuous Flow  
Water Heaters

- Next generation technology
- On demand, continuous Flow
- Market leading temperature control
- Advanced energy control
- Disinfection properties
- No scale due to high heating temperatures
- Scald prevention on all models
- Flexible installation and space saving
- The most flexible & efficient Continuous flow Electric water heating solution available



# CFEWH Series 1 Water Heater Range

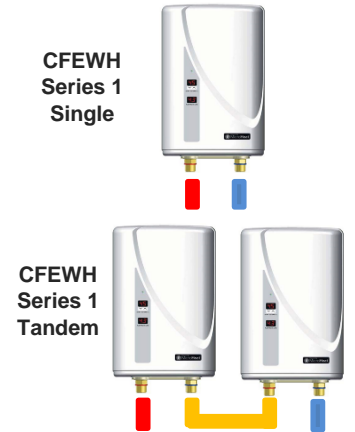


The MicroHeat Continuous Flow Instantaneous Electric Water Heaters can be installed into more diverse and convenient locations than other water heaters on the market, making our solutions more versatile and efficient. The MicroHeat direct energy transfer method of heating water does not use existing electric heat exchange technology. The technology advantage results in dynamic and predictive temperature control. Making MicroHeat's Single Phase range are the most advanced water heaters on the market. The product range can be installed at point-of-use or as a central, whole of home solution across the building and construction industry to deliver consumer hot water needs or under/above floor hydronic heating. The units can be installed individually or in Tandem configuration to double the overall available flow rate making the units ideal for single phase powered apartments and small dwellings. All units have a digital display with temperature setting capability that allows the user to set the desired water temperature in single degree increments. The units are A4 footprint, can be installed under the bench or on the wall and don't require venting.



## Single Phase Options

MicroHeat's Single Phase Series 1 product range now offers a wide range of rated power options to accommodate various property electrical wiring limitations and customer flow rate needs. For instance, some areas across Australia are restricted to 7.2 kW appliance ratings or only have maximum 63Amp electrical supply. The MicroHeat Series 1-7 range can be installed to meet the wiring limitations or installed in Tandem to deliver 14.4 kW, delivering sufficient flow rates for apartments and small dwellings. For those properties with 80Amp electrical supply the Series 1-10 range is ideal. You can mix and match product to accommodate the electrical wiring limitations taking into consideration the maximum flow rates at the temperature increase available for each model. The MicroHeat Single Phase Series 1 product range also offers a wide range of factory set maximum temperature options. Such as 43.5°C for NSW Health warm water generator options or 50°C for installation without the need for tempering valves for hand basins and showers or as high as 60°C if customers want hotter water at the kitchen.



ITEM	CFEWH MODEL										
	Series 1-5		Series 1-6		Series 1-7		Series 1-8		Series 1-10		
	Single	Tandem	Single	Tandem	Single	Tandem	Single	Tandem	Single	Tandem	
Rated Wattage – kW @ 240 Volts	4.8 kW	2 x 4.8 = 9.6 kW	6 kW	2 x 6 = 12 kW	7.2 kW	2 x 7.2 = 14.4 kW	8.4 kW	2 x 8.4 = 16.8 kW	9.6 kW	2 x 9.6 = 19.2 kW	
RCBO Amperage*	20 A	2 x 20 A	25 A	2 x 25 A	30 A	2 x 30A	35 A	2 x 35 A	40 A	2 x 40 A	
Max. flow rate, l/min @ temperature increase (Δ°C), above ground water temp.	15°C	4.6	9.2	5.7	11.4	6.9	13.8	8	16	9.2	17
	25°C	2.8	5.6	3.4	6.8	4.1	8.2	4.8	9.6	5.5	11
	35°C	2	4	2.5	5	2.9	5.8	3.4	6.8	3.9	7.8
	45°C	1.5	3	1.9	3.8	2.3	4.6	2.7	5.4	3.1	6.2
Switch on flow rate	1.5 l/min										
Temperature settable	+ / - 1°C										
Maximum temp. settable options**	Tepid Water (20°C - 37°C) / NSW Health (43.5°C) / Hot Water (50°C) or (60°C)										
Dimensions	31.5 cm x 21 cm x 12 cm – A4 Footprint										
Max. inlet temperature	60°C – Can accept hot water from other hot water sources										
Maximum working pressure	10 bar – Note: Pressure limiting valve required inlet side of unit as per installation manual, page 11.										
Plumbing connection	1/2" BSP connections inlet and outlet										

\* The CFEWH Series 1 Series requires hard wired circuits. If installing a RCBO breaker, minimum acceptable is 30mA.  
 \*\* In accordance with AS 3500 Section 1.9.2 and Section 1.9.3. No tempering or thermostatic mixing valves are required for personal hygiene sanitary fixtures other than stipulated in Section 1.9.2 (a).

## MicroHeat's Water Heating Solutions Supplying

Bathrooms – single or multiple, Hand basins – single or multiple, Apartments, Small dwellings, Wash stations – single or multiple, Public / Office toilets, Kitchenettes / Laundrettes, Boost existing hot water supplies, Hydronic heating. Water - Mains supply or Pump supply.

NOTE: Single or multiple installations will depend on ambient water conditions, flow rate expectations, expected outlet usage rates and the rated power solution to be installed.

## Installations Across

- Homes / Apartments / Low rise / High rise / Offices / Shopping centres / Aged care / Hospitals / Schools / Infrastructure / Government.



For more information and to ask about the solution most suitable to your needs please contact us at:

Ph: +61 1300 981 325 or [info@microheat.com.au](mailto:info@microheat.com.au)  
 or check out Water Heating on our website [www.microheat.com.au](http://www.microheat.com.au)

\*\*Compliance with AS/NZS 3500 in relation to temperature stability certifies that the appliance ensures temperatures of 50°C are not exceeded. Water temperatures greater than 50°C can cause scalding. Care should be taken with children and people with limited sensory, physical, and/or mental capability. There is no requirement under AS/NZS 3500 to fit a temperature limiting device if this water heater is installed in any location other than in an early childhood centre, school, nursing home or a facility for young, aged, sick or disabled people, as specified in AS/NZS 3500 Section 1.9.