

MicrHeatTM

Smarter Water Heating

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



CFEWH Series 2 – Three 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 2 Water Heater Range



The MicroHeat Continuous Flow Instantaneous Electric Water Heater (CFEWH) 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 Three 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.

All units have a digital display with temperature setting capability that allows the user to set the desired water temperature in single degree increments.



Three Phase Options

MicroHeat's Three Phase CFEWH Series 2 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 15 kW appliance ratings (21 Amps x 3) or only have maximum 32 Amps Three Phase electrical supply. The MicroHeat Series 2 range can be configured to meet the wiring/supply limitations. Here, power ratings up to 21kW will deliver sufficient flow rates for apartments and small dwellings. For those properties with higher Three Phase electrical capacity our higher power range up to 30 kW is ideal. You can mix and match product to accommodate the electrical wiring/supply limitations taking into consideration the maximum flow rates at the temperature increase available for each model.

The MicroHeat Three Phase Series 2 product range also offers a wide range of factory set maximum temperature options. Such as 50°C for installation without the need for tempering valves for hand basins and showers or as high as 65°C if customers want hotter water at the kitchen.

In larger dwellings with multiple bathrooms and occupants, separate units can be installed throughout the property for optimum energy efficiency and reduced water wastage by eliminating long hot water runs.

The units can be installed in Tandem or Parallel to achieve double the flow rates listed below.



CFEWH Series 2 Single

ITEM		CFEWH THREE PHASE MODELS						
		Series 2-13	Series 2-15	Series 2-18	Series 2-21	Series 2-24	Series 2-27	Series 2-30
Rated Wattage – kW @ 415 Volts		13 kW	15 kW	18 kW	21 kW	24 kW	27 kW	30 kW
Amperage*		18 Amps x 3	21 Amps x 3	25 Amps x 3	29 Amps x 3	33 Amps x 3	38 Amps x 3	42 Amps x 3
Max. flow rate, l/min @ temperature increase (Δ°C), above ground water temp.	15°C	12.4	14.3	17.2	20	20	20	20
	25°C	7.5	8.6	10.3	12	13.8	15.5	17
	35°C	5.3	6.1	7.4	8.6	9.8	11.1	12.3
	45°C	4.1	4.8	5.7	6.7	7.6	8.6	9.6
Switch on flow rate		1.5 l/min						
Temperature settable		+ / - 1°C						
Maximum temp. settable options**		Tepid Water (20°C - 37°C) / Hot Water (50°C) or (65°C)						
Dimensions		31.5 cm x 21 cm x 12 cm – A4 Footprint						
Max. inlet temperature		65°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 2 Series requires hard wired circuits. If installing a RCCB breaker, minimum acceptable is Super Immune (Type A-SI).

** 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, Residential homes, Wash stations – single or multiple, Public / Office toilets, Kitchens / Laundries, 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
or check out Water Heating on our website 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.