

# HWS Packaged Plate Heat Exchanger Range.



## Instant Hot Water Systems.

- Our Instant Hot Water Systems are designed to heat domestic hot water (DHW) using low temperature hot water (LTHW).
- Our standard range is designed for outputs from 50 kW to 2,000 kW based on heating DHW from 10°C to 65°C using LTHW at 82°C. Alternative kW duties or temperatures can be quoted on request.
- Each system is delivered fully assembled and tested to ensure easy installation.

The standard unit is equipped with:

- Gasketed Plate Heat Exchanger with AIS 316 stainless steel plates.
- Primary LTHW circulating pump to pump LTHW through the heat exchanger.
- 4 port control valve with electric actuator to control the flow of LTHW into the heat exchanger.
- Temperature sensor on DHW outlet.
- Temperature controller with LED display of DHW temperature and set point temperature.
- Control panel.
- High limit thermostat with manual reset button and indication light that turns the primary pump off in the event that the DHW goes over-temperature.
- Base frame.

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## Options

The following options are available:

- Time clock to turn the unit on and off at preset times.
- Twin head primary LTHW circulating pump.
- Secondary DHW circulating pump.
- Volt free contacts to enable connection to BMS system including on/off input, common fault, system and pump running signals.
- 4—20 mA output of DHW temperature.
- 240 v switched output for boiler control.

## Energy Saving

To save energy the following can be supplied:

- A limit switch installed in the 4 port valve that turns the primary pump off when there is no demand for DHW.
- The heat exchanger can be equipped with a Flexi-Wrap Insulation Jacket that can easily be removed for heat exchanger maintenance.

Model No	DHW Flow l/s	Duty (kW)	Model No	DHW Flow l/s	Duty (kW)
8-50	0.22	50	14-800	3.51	800
8-100	0.44	100	14-850	3.73	850
8-150	0.66	150	14-900	3.94	900
8-200	0.88	200	14-950	4.16	950
8-250	1.10	250	14-1000	4.38	1000
8-300	1.32	300	19-1100	4.82	1100
8-350	1.53	350	19-1200	5.26	1200
14-400	1.75	400	19-1300	5.70	1300
14-450	1.97	450	19-1400	6.14	1400
14-500	2.19	500	19-1500	6.58	1500
14-550	2.41	550	19-1600	7.02	1600
14-600	2.63	600	19-1700	7.46	1700
14-650	2.85	650	19-1800	7.88	1800
14-700	3.07	700	19-1900	8.32	1900
14-750	3.29	750	19-2000	8.76	2000

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