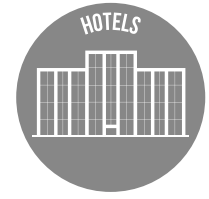


## TECHNICAL SPECIFICATION RECOUP HEATDECK™



Available in Q4 of 2024 (pre-release document)

- Double-walled copper horizontal heat exchanger
- Up to 43% heat recovery efficiency \*
- TMV mixer or Mira Heatloop™ electric showers compatible
- Built with Mira Flight technology (standard white gloss or Mira Flight Safe anti-slip coating)
- Suitable for newbuild, bathroom upgrades, or retrofit
- 3 recognised TMV installation methods (System A, B & C)
- BioCote® technology providing up to 99.9% reduced bacteria & mould growth
- No-end user interaction, or change of use
- No planned maintenance
- Fully accessible from above for complete peace of mind
- SAP registration in progress (ETA: Nov 2024)
- Designed and manufactured in the UK

### GENERAL DATA

DESCRIPTION	800 x 800	1200 x 800
Overall product height (no upstands)	80 mm	84 mm
Overall product height (with upstands)	102.25 mm	106.25 mm
Overall product length	805 mm	1205 mm
Overall product width	805 mm	805 mm
Material - Heat Exchanger	Copper	
Shower flow rate range	5 - 20 Litres/min	
Max. Mains water inlet pressure	18 bar	
Min. Mains water inlet pressure	1 bar	
Max. Mains water working temp	85 °C	
Mains & Preheated water connection	½" male BSP	
Waste water connection	40 - 43 mm	
Full product weight	<43 kg	<56 kg
Water volume - mains water	1.6 Litres	
Maximum user weight	160 kg	

### PERFORMANCE & EFFICIENCY

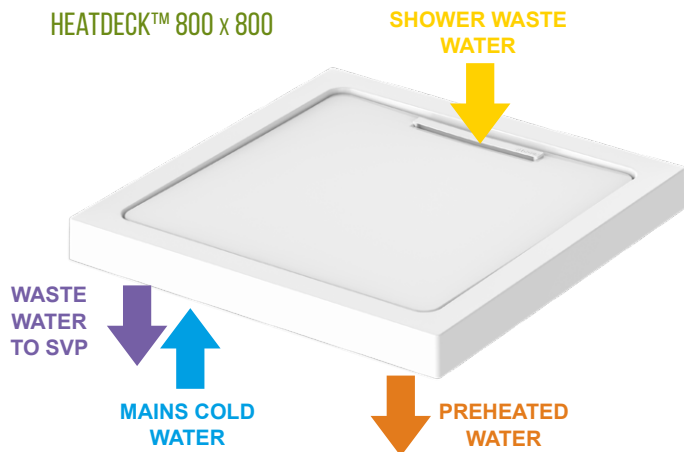
SHOWER FLOW RATE @ 40°C (LITRES/MIN)	HEATDECK EFFICIENCY (RECOVERED ENERGY KW) *		
	SYSTEM A	SYSTEM B	SYSTEM C
5.8	42.9% (4.51)		
9.2	37.8% (6.3)		
11.0	35.47% (7.07)		
12.5	32.5% (7.36)		

### PRESSURE DROP ON THE MAIN WATER CIRCUIT

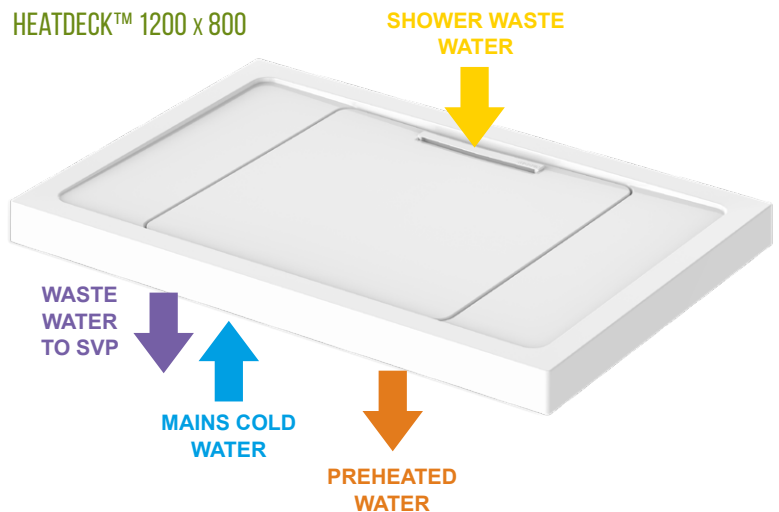
SHOWER FLOW RATE @ 40°C (LITRES/MIN)	HEATDECK PRESSURE DROP (BAR)		
	SYSTEM A	SYSTEM B	SYSTEM C
5.8	0.078		
9.2	0.214		
11.0	0.318		
12.5	0.41		

\* Based on KIWA test data, PCDB & SAP registration in progress

HEATDECK™ 800 x 800



HEATDECK™ 1200 x 800

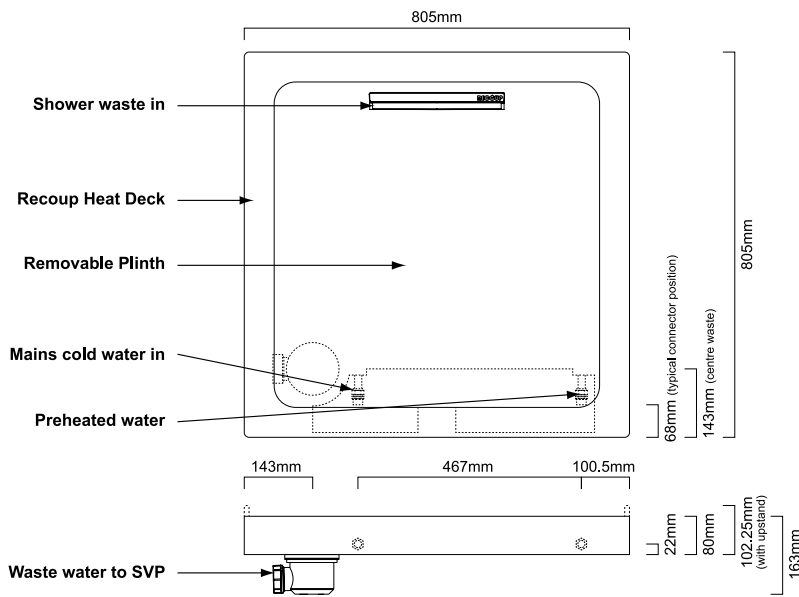


**ELECTRIC SHOWERS** - Compatible with the Mira Heatloop™ electric shower range. For user safety do not connect Recoup WWHRS to any other electric shower.

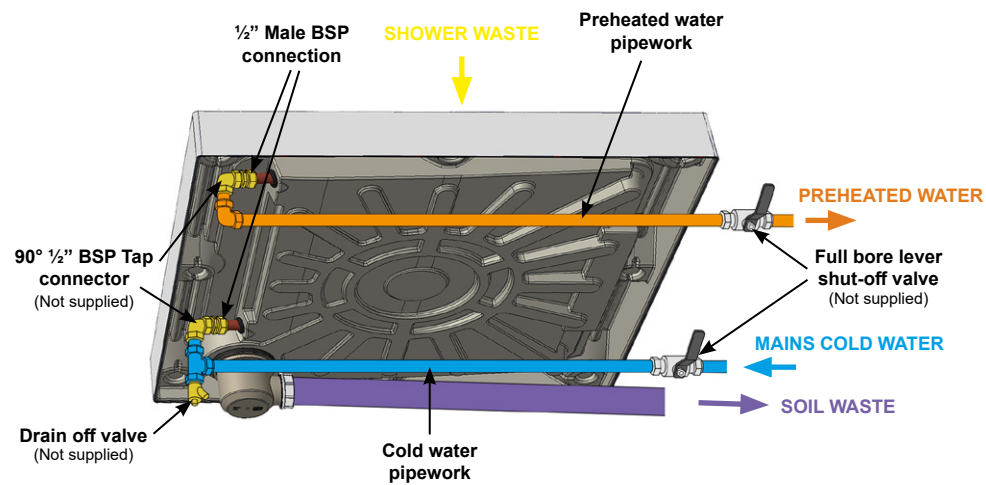
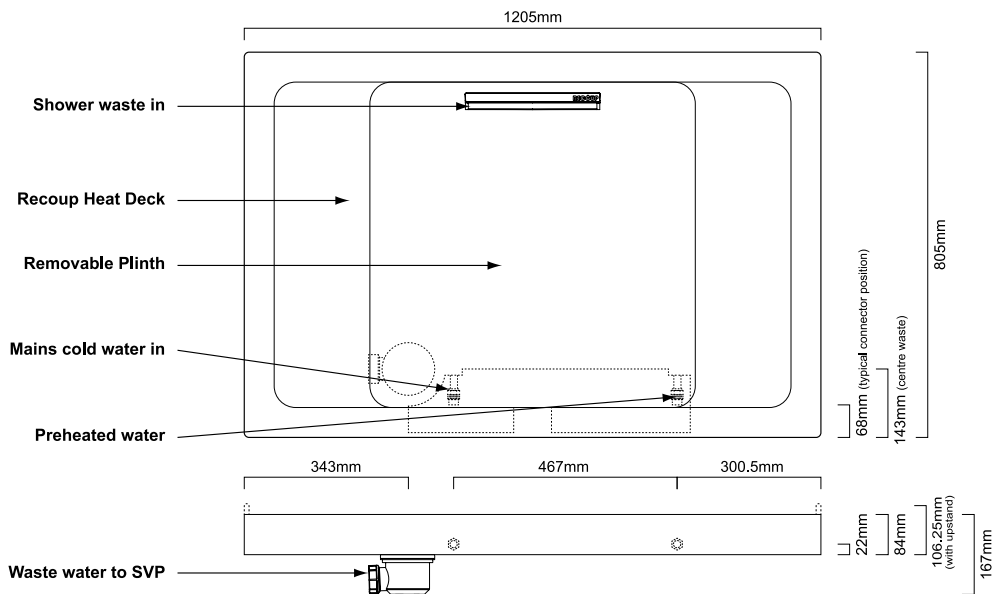
- The Recoup HeatDeck™ is available with 2, 3, or 4 upstands.
- Recoup HeatDeck™ shower tray available in standard white gloss or Mira Flight Safe anti-slip coating.
- Compatible with Mira shower tray riser kit.

## DRAWINGS & DIAGRAMS

**HeatDeck™  
800 x 800**



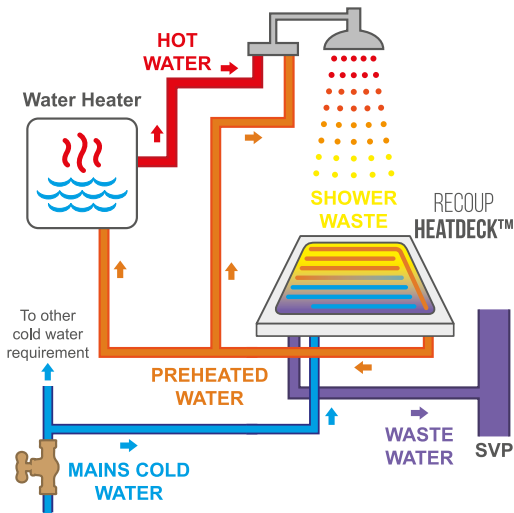
**HeatDeck™  
1200 x 800**



### SHOWER ENCLOSURES PLEASE BE AWARE..

The Recoup HeatDeck shower tray is primarily designed to be installed with enclosures comprising a wall mounted hinged door that opens outwards. Any alternative specified enclosure should have no protrusion into the enclosure more than 50mm from the outer edge.

## INSTALLATION METHODS



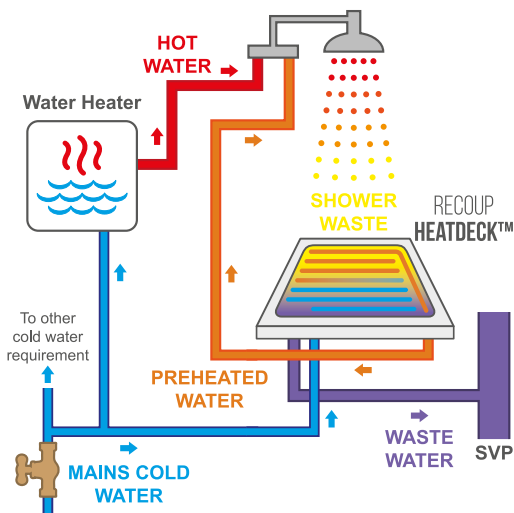
### SYSTEM A

**Preheated water supplied to shower mixer (cold inlet) and the water heater**

This installation method provides the highest WWHRS efficiency.

Only one WWHRS unit can supply preheated water to the water heater as System A. All secondary WWHRS units should be connected as System B.

To maximise SAP impact, install WWHRS as System A on the primary shower, or in a room with a shower only.

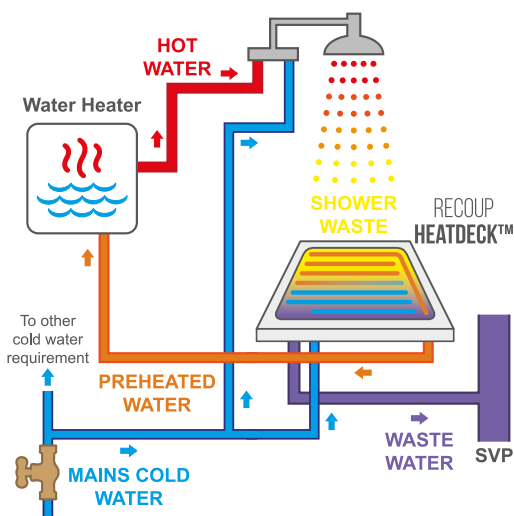


### SYSTEM B

**Preheated water supplied to shower mixer (cold inlet) on the shower only**

The WWHRS efficiency of this installation method is not as high as System A or C but is the simplest and often the most cost-effective method to install or retrofit.

As preheated water is supplied to the cold side of the shower TMV only, there is no additional connection to the water heater . System B should be used for any secondary showers in a dwelling or where multiple showers are fed from centralised plant.



### SYSTEM C

**Preheated water supplied to water heater only**

Greater WWHRS efficiencies are produced than System B but lower than System A. Only one WWHRS unit can feed preheated water to the water heater as System C.

Combi-Boiler, Cylinder (Any heat source inc. Boiler, Heat Pump, Direct Electric, Solar Thermal), Heat Interface Unit (HIU) or Thermal Store.

- For more detail watch our [installation method animation](#) here.

## SPECIFYING - RECOUP HEATDECK™

Recoup WWHRS | HeatDeck™ | Installed as System A; System B; System C (delete as appropriate) | to (Add shower(s) install location)

Include the line of text above or go to [specify.recoup.co.uk](https://specify.recoup.co.uk) for the full Recoup HeatDeck product specification.