



SI40e Hot Water  
Heat Interface Units

[www.rhico.co.uk](http://www.rhico.co.uk)

# Rhico | SI40e

## Hot Water Heat Interface Unit

SI40e

### DESCRIPTION

#### ***Ultra low primary temperatures, high DHW production***

The Rhico SI40e is a hot water only HIU with instantaneous domestic hot water production via a plate heat exchange, this hot water module offers high DHW flow rates with low primary temperatures, reducing heat loss and increasing system efficiency. The SI40e can be supplied in two different models the first controlling DHW temperature by the modulation of the primary circuit flow rate through a variable flow pump controlled and MFWC controller (PWM control) or removing the internal pump and replacing it with a differential valve. Optional extras include a heat meter for individual remote billing and secondary DHW return pump.

### BENEFITS

- Compact module 600mm x 400mm x 250mm
- Fully insulated
- Preassembled and tested
- Shut-off valves both on primary and secondary circuit
- Low Primary temperatures
- Easy setting of DHW temperature
- Large hot water production
- Modulating flow rate via the thermostat mixing valve on the primary circuit
- Secondary return kit available
- Designed for the optional installation of a heat meter (primary circuit)



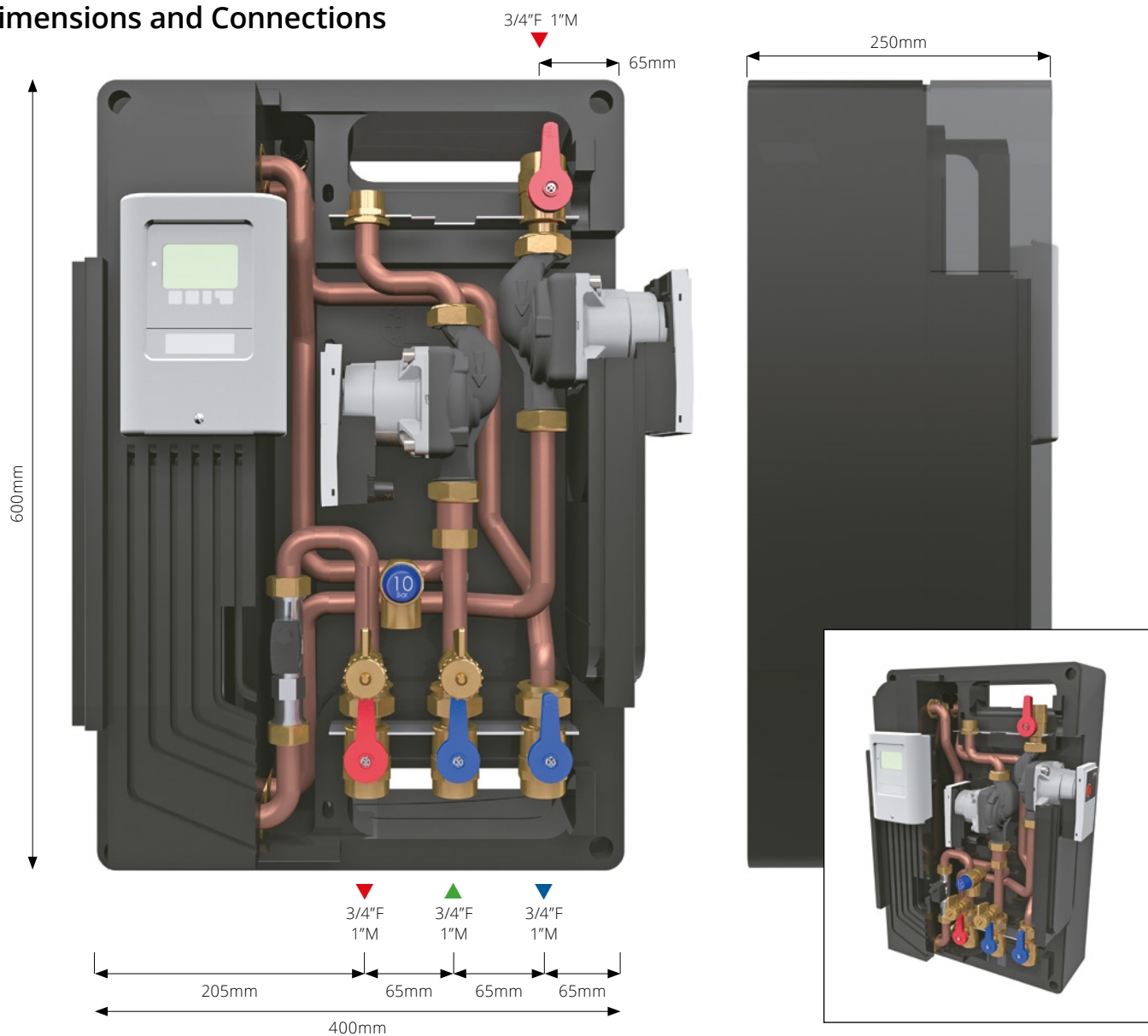
# SI40e Hot Water HIU

SI40e

## Technical Data

| Max. flow rate of primary flow | Max. flow rate of DHW        | DHW temp. set | Max. working pressure | Power supply                | Min. flow rate DHW/ON production | Min. flow rate DHW/OFF intervention | Flowmeter / Temp. DHW | Exchange surface of plates exchanger | Max. available dimensions (HxDxT) | Secondary return pump |
|--------------------------------|------------------------------|---------------|-----------------------|-----------------------------|----------------------------------|-------------------------------------|-----------------------|--------------------------------------|-----------------------------------|-----------------------|
| 1850 l/h                       | 40 l/h<br>$\Delta P$ 0.8 bar | 30-90°C       | 6 bar                 | 230 V<br>AC 50/60 Hz - 45 W | 2 ± 0.3 l/m                      | 2 ± 0.3 l/m                         | VFS 2÷40 l/min        | 1.76 m <sup>2</sup>                  | 400 x 600 x 250mm                 | WILO PARA Z 15/7 iPWM |

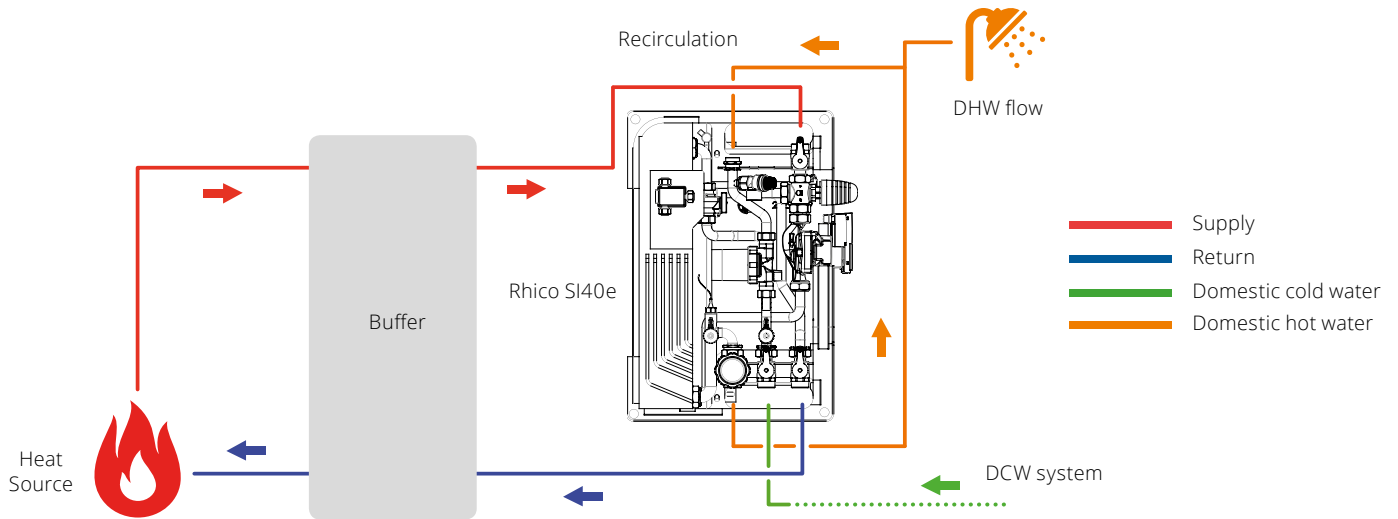
## Dimensions and Connections



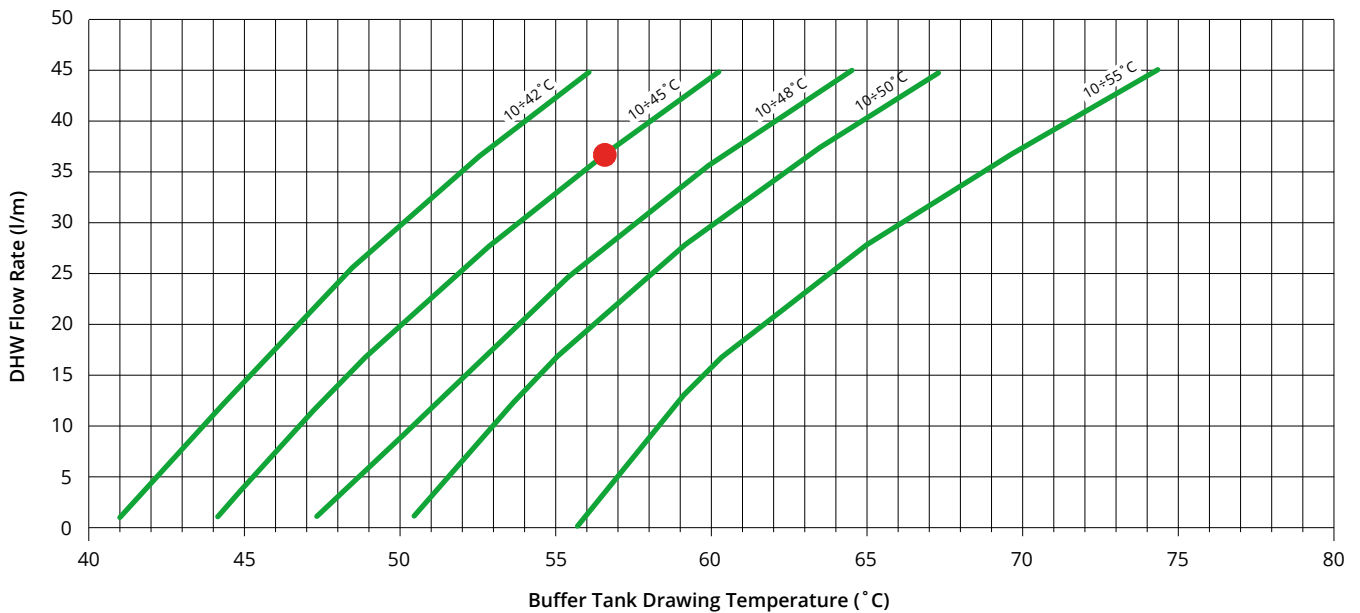
# SI40e Hot Water HIU

SI40e

## Example of use



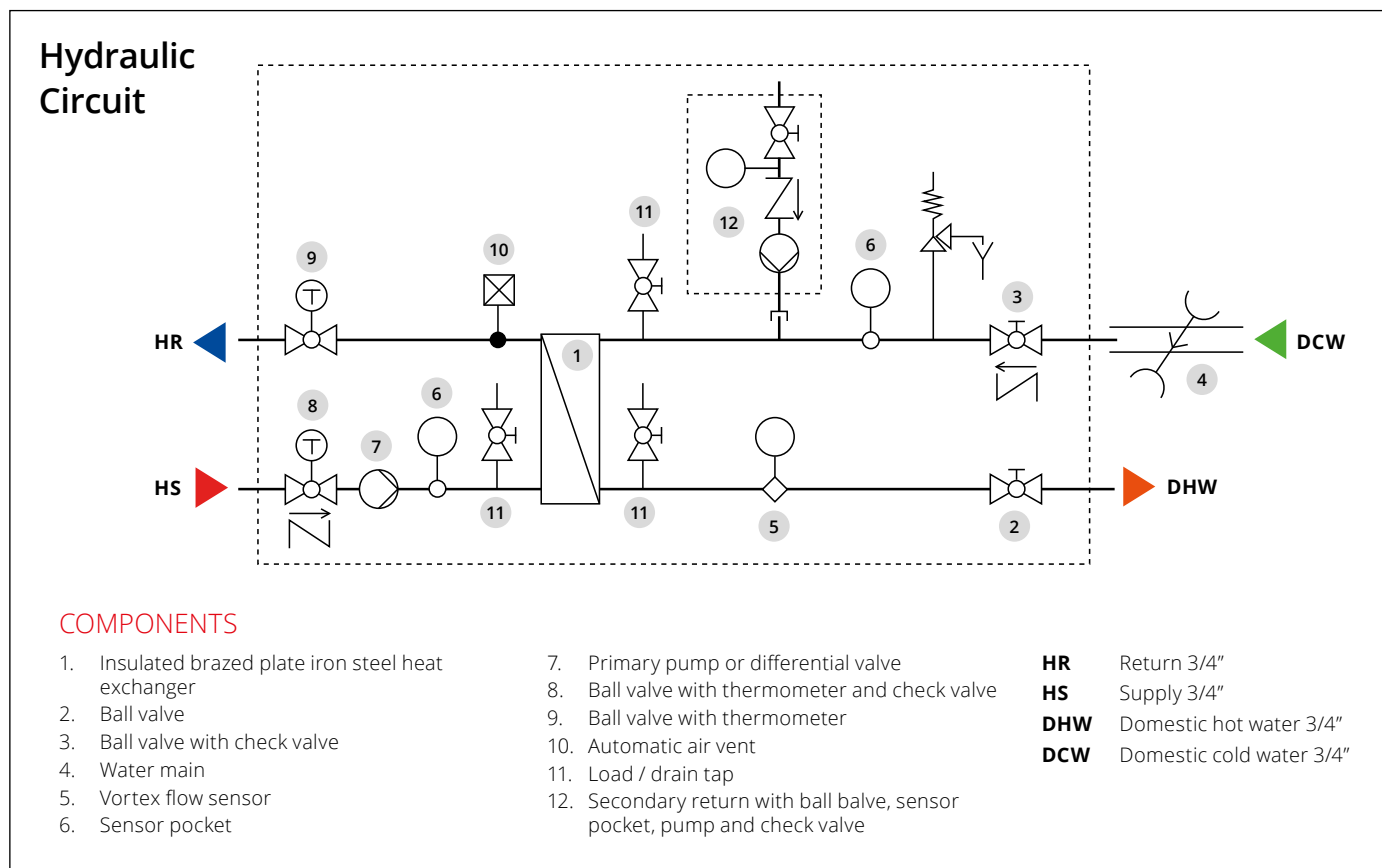
## DHW Production



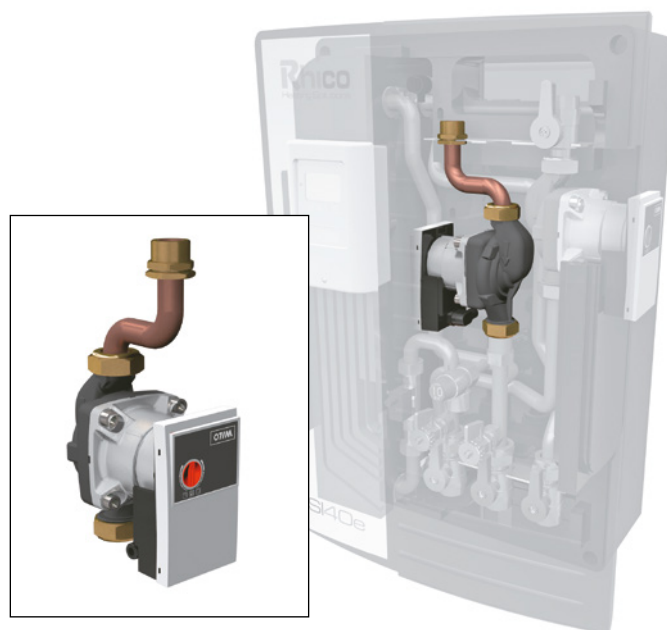
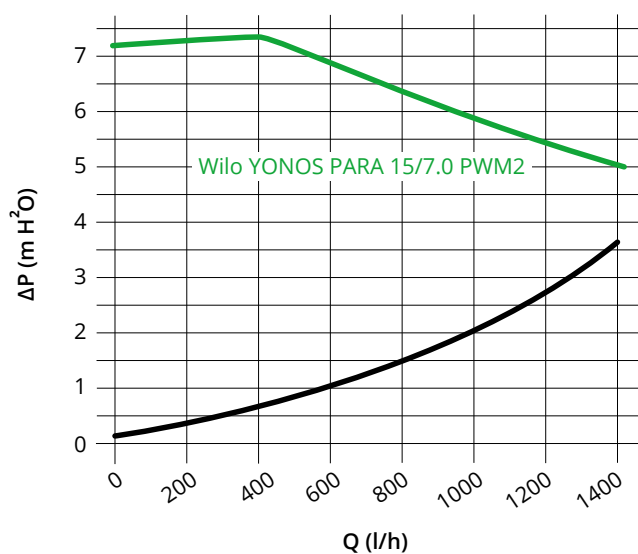
The proper working of the system is guaranteed if the temperature of the primary flow exceeds at least 5°C the temperature of the stated DHW set.

# SI40e Hot Water HIU

SI40e



## Characteristic Curves Recirculation Pump





Aviation Business Park, Enterprise Close,  
Christchurch, Dorset, BH23 6NX

T: 0800 975 0795 E: [info@rhico.co.uk](mailto:info@rhico.co.uk)

[www.rhico.co.uk](http://www.rhico.co.uk)