



SI60e Hot Water
Heat Interface Units

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Rhico | SI60e

Hot Water Heat Interface Unit

SI60e

DESCRIPTION

Ultra low primary temperatures, high DHW production

The Rhico SI60e 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 835mm x 475mm x 226mm
- 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).



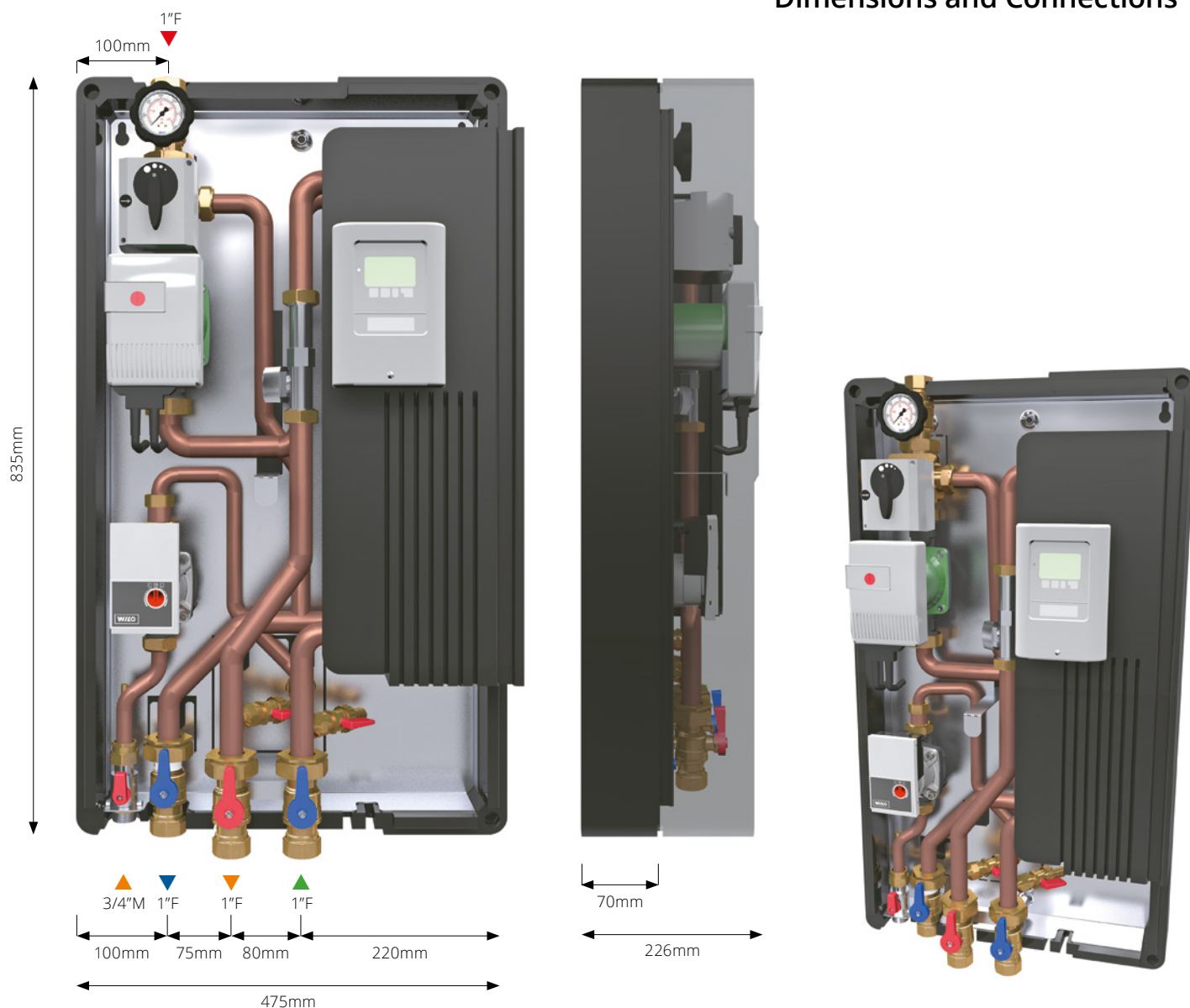
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Technical Data

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
3600 l/h	110 l/h ΔP 0.8 bar	30-90°C	6 bar	230 V AC 140 W	5 ± 0.3 l/m	5 ± 0.3 l/m	VFS 5÷100 l/min	3.0 m ²	475 x 835 x 226mm	WILO YONOS PARA Z 15/7 iPWM2

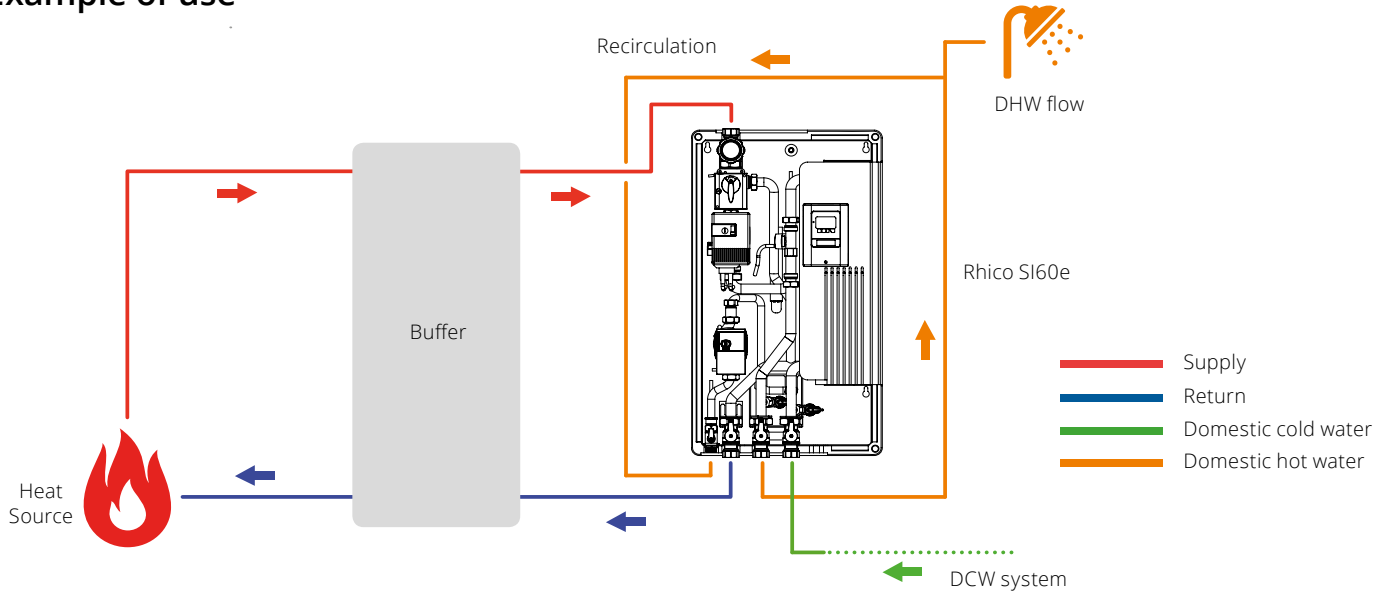
Dimensions and Connections



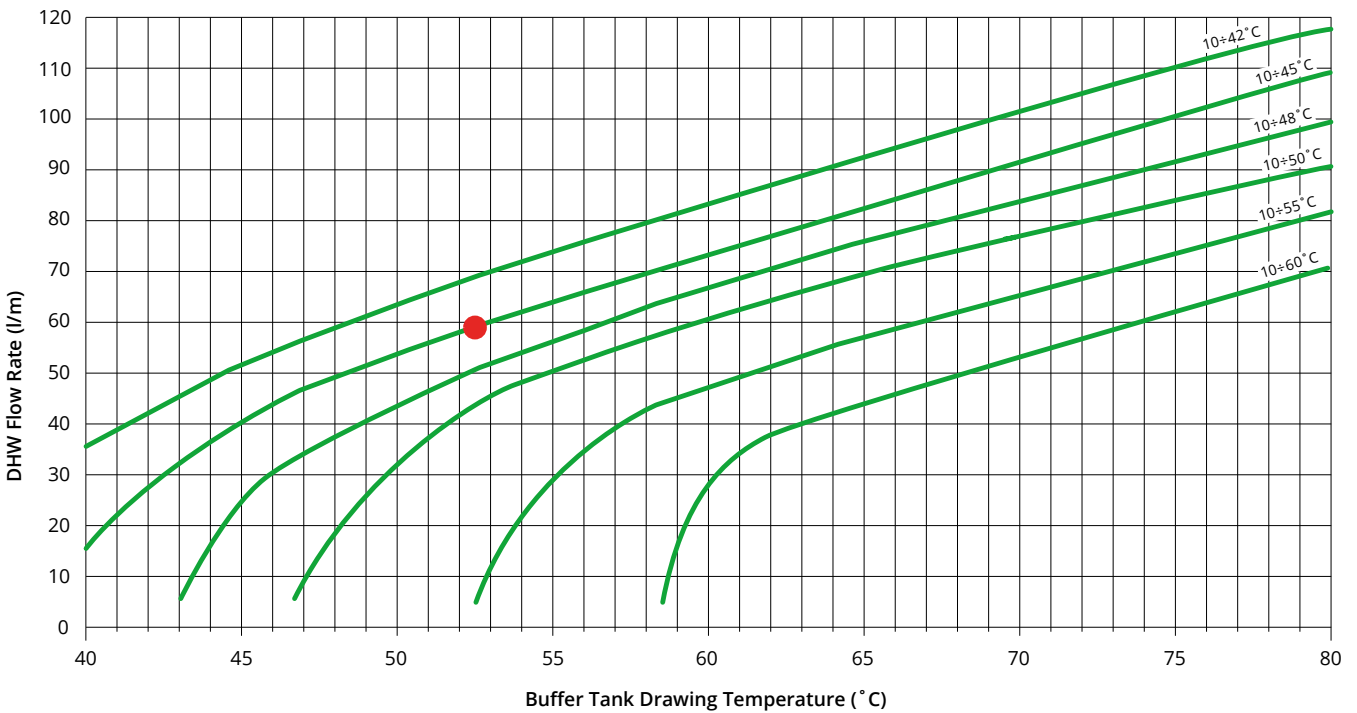
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Example of use



DHW Production

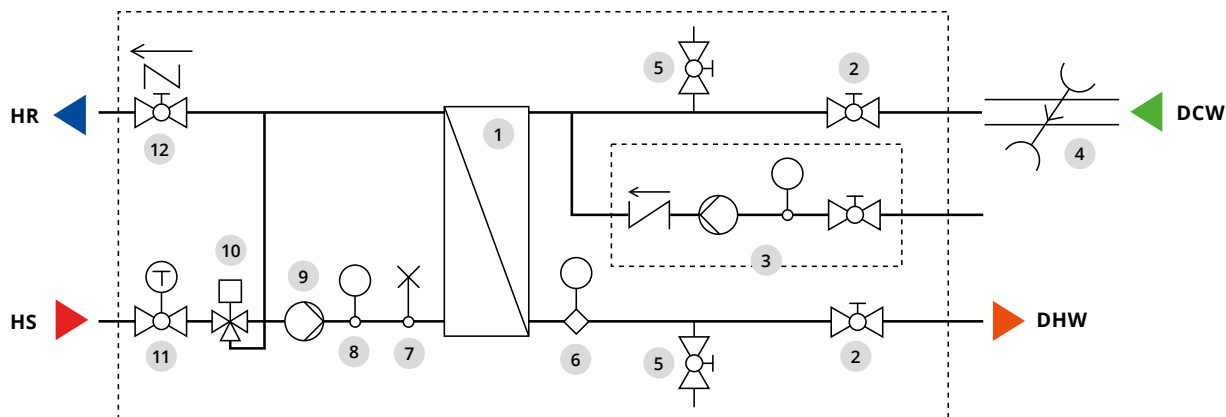


The proper working of the system is guaranteed if the temperature of the primary flow exceeds at least 5°C the temperature of the stated DHW set.

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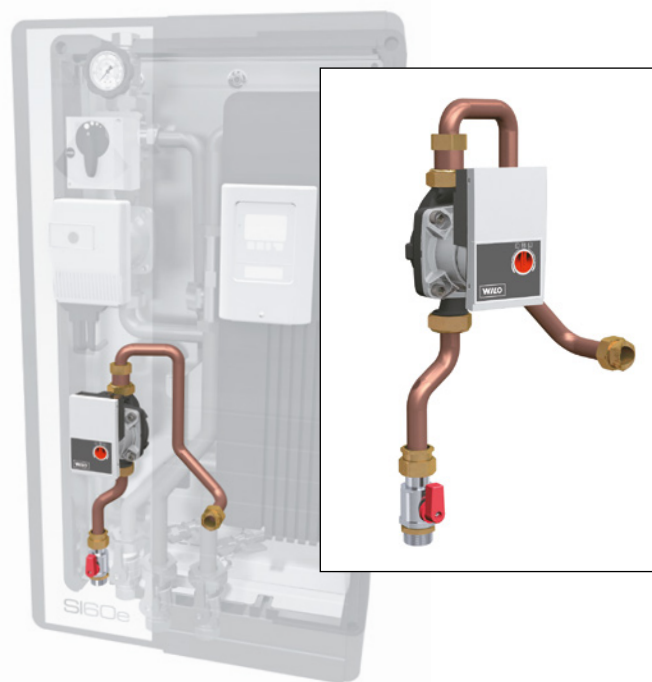
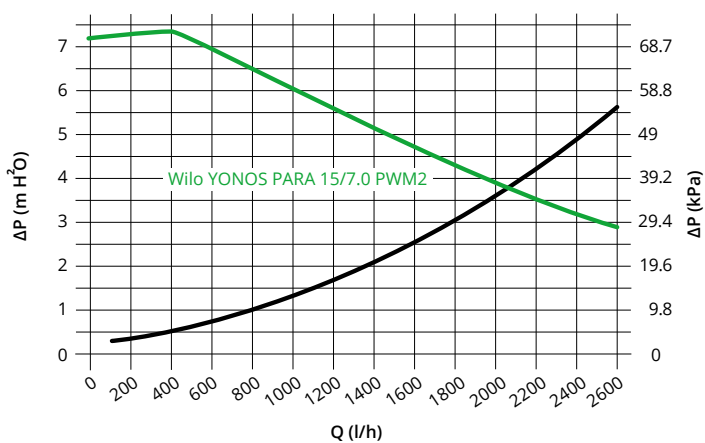
Hydraulic Circuit



COMPONENTS

- | | | |
|--|--|-------------------------------------|
| 1. Insulated brazed plate iron steel heat exchanger | 7. Manual air vent | HR Return 3/4" |
| 2. Ball valve | 8. Sensor pocket | HS Supply 3/4" |
| 3. Secondary return with ball valve, sensor pocket, pump and check valve | 9. Primary pump or differential valve | DHW Domestic hot water 3/4" |
| 4. Water main | 10. 3 way mixing valve with 230V electric actuator | DCW Domestic cold water 3/4" |
| 5. Load / drain tap | 11. Ball valve with thermometer | |
| 6. Vortex flow sensor | 12. Ball valve with check valve | |

Characteristic Curves Recirculation Pump





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