

Hydrokit for ECOi Water at 45°C



PAW-RE2C4
Optional Controller.
Control for hotel
application.



CZ-RTC5B
Optional Controller.
Wired remote controller.
Compatible with Econavi.

Connect the Hydrokit to your VRF system, together with other indoor units

Basic principle & advantage.

Hydrokit module provides hot water by using waste heat that is recovered from standard air-conditioning indoor unit in cooling mode.

Total system performs high energy efficiency by this heat recovering operation, and it gives an advantage for sustainability related assessment methods, such as BREEAM in UK.

Technical focus

- Only with 3-Pipe ECOi EX MF3 Series outdoor units
- Remote controller CZ-RTC5B common use with DX Coil indoor units ECOi and PACi

Model				S-80MW1E5	S-125MW1E5
Power source				230V / Single Phase / 50 Hz	230V / Single Phase / 50 Hz
Cooling capacity	kW			8,00	12,50
Heating capacity	kW			9,00	14,00
Maximum temperature	°C			~45 / ~65 ¹⁾	~45 / ~65 ¹⁾
Dimension	H x W x D	mm		892 x 502 x 353	892 x 502 x 353
Water pipe connector			Inch	R 1 ¼	R 1 ¼
Water pump (built-in)			DC motor (A class)		DC motor (A class)
Water flow rate	Cool	L/min	22,90		35,80
	Heat	L/min	25,80		40,10
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)		3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)		5/8 (15,88)
	Drain piping			15 ~ 17mm (inner size)	15 ~ 17mm (inner size)
Operation range	Cool	Ambient	°C	+10 ~ +43	+10 ~ +43
		Water	°C	+5 ~ +20	+5 ~ +20
	Heat	Ambient	°C	-20 ~ +32	-20 ~ +32
		Water	°C	+25 ~ +45	+25 ~ +45
Connectable system	3-Pipe (heat recovery type) VRF System (system capable up to 48HP)				
Maximum Indoor ratio (connectable hydrokit module capacity ratio)				Total indoor unit + Hydrokit capacity: up to 130% (** ~ **% vs total outdoor unit capacity)	

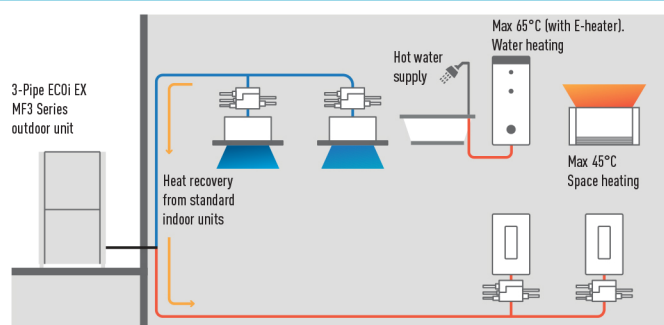
1) Max 45°C by refrigerant circuit (heat pump cycle), over 45°C is provided by electric heater operation.

Hydrokit control function / CZ-RTC5B

- CZ-RTC5B is updated version from CZ-RTC3. It can be used for hydrokit and also normal indoor unit. CZ-RTC5B checks the type of connected unit and switch hydrokit or air conditioner style of display automatically
- Operating mode on hydrokit style to be set at initial setting of the system from following modes: tank mode or air conditioning mode

Overview: hydromodule in VRF system

- Multiple hydromodule connection in same circuit is available
- Each module can be set different operation mode either hot water supply mode or space heating mode (both operation modes are not able to set at 1 hydromodule)
- 3-Pipe control solenoid valve kit is necessary for each indoor unit and hydromodule



* Cold water also available.