

Hydrokit for ECOi, water at 45 °C · R410A

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

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



+ COMPATIBLE WITH ALL PANASONIC CONNECTIVITY SOLUTIONS. FOR DETAILED INFORMATION GO TO THE CONTROL SYSTEMS SECTION

Indoor unit				S-80MW1E5	S-125MW1E5
Power supply	Voltage		V	230	230
	Phase			Single phase	Single phase
	Frequency		Hz	50	50
Cooling capacity		kW	8,0	12,5	
Heating capacity		kW	9,0	14,0	
Maximum temperature		°C	~45/ ~65 ¹⁾	~45/ ~65 ¹⁾	
Dimension	H xW xD	mm	892 x502 x353	892 x502 x353	
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 diameter	Liquid	Inch (mm)	3/8 (9,52)	3/8 (9,52)	
	Gas	Inch (mm)	5/8 (15,88)	5/8 (15,88)	
	Drain	mm	15 ~ 17 (inner size)	15 ~ 17 (inner size)	
Operation range	Cool	Ambient	°C	+10 ~ +43	
		Water	°C	+5 ~ +20	
	Heat	Ambient	°C	-20 ~ +43	
		Water	°C	+25 ~ +45	
Connectable system				3-Pipe (heat recovery type) VRF System (system capable up to 48 HP)	
Maximum Indoor ratio (connectable hydrokit module capacity ratio)				Total indoor unit + Hydrokit capacity: up to 130% (** ~ **% vs total outdoor unit capacity)	

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

Accessories

CZ-RTC5B Wired remote controller with Econavi function

Basic principle and advantage.

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

Technical focus

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

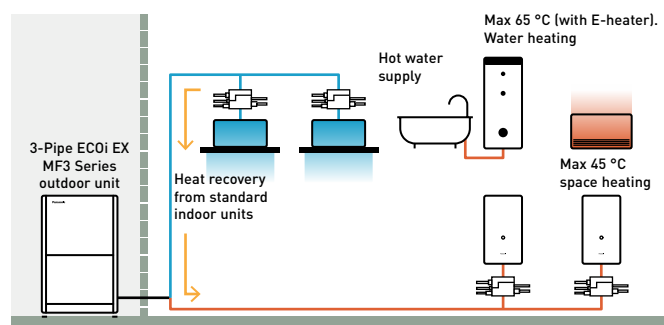
Hydrokit control function / CZ-RTC5B

- CZ-RTC5B can be used for hydrokit and also normal indoor unit. CZ-RTC5B checks the type of connected unit and switches between hydrokit and air conditioner display automatically

- Hydrokit mode (tank or air conditioning mode) is set during initial startup

Overview: hydromodule in VRF system

- Multiple hydromodule connection in same circuit is available
- The mode of each module can be individually set from either hot water or space heating / cooling (once set the units cannot operate in another mode, resetting will be required)
- 3-Pipe control solenoid valve kit is necessary for each indoor unit and hydromodule



* Cold water also available.