

HYDROKIT FOR ECOi WATER AT 45°C



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

Technical focus

- Only with ECOi MF2 3 Pipe Series outdoor units
- Remote controller CZ-RTC5A common use with DX Coil indoor units ECOi and PACi

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 the environmental-friendly assessment scheme (ex. BREEAM in UK).

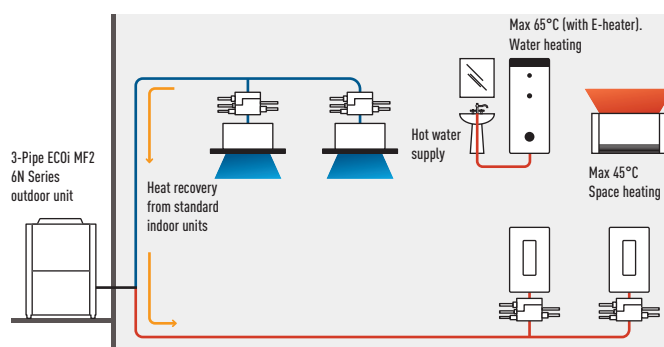
Hydrokit control function / CZ-RTC5A

- CZ-RTC5A is updated version from CZ-RTC3. It can be used for hydrokit and also normal indoor unit. CZ-RTC5A 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.



Optional Controller.
Control for hotel
application
PAW-RE2C3



Optional Controller.
Wired remote
controller CZ-RTC5A
Compatible with
Econavi



Optional Econavi
Sensor.
CZ-CENS1

Model*				S-80MW1E5		S-125MW1E5	
Power source				230 V / Single Phase / 50 Hz		230 V / Single Phase / 50 Hz	
Cooling capacity		kW		8.0		12.5	
Heating capacity		kW		9.0		14.0	
Power input heating (hydrokit)		W		—		—	
Operating current heating (hydrokit)		A		—		—	
Maximum temperature		°C		-45 / -65 ¹		-45 / -65 ¹	
Dimensions		H x W x D		mm		892 x 502 x 353	
Net weight		kg		—		—	
Water pipe connector		inch		R1 1/4		R1 1/4	
Water pump (built-in)				DC motor (A class)		DC motor (A class)	
Water flow rate		Cooling		l/min		22.9	
		Heating		l/min		25.8	
Sound pressure		dB(A)		—		—	
Pipe connections		Liquid		inch (mm)		3/8 (9.52)	
		Gas		inch (mm)		5/8 (15.88)	
		Drain piping				15 - 17mm (inner size)	
Operation range		Cooling Min ~ Max		Ambient / Water		°C	
		Heating Min ~ Max		Ambient / Water		°C	
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)			

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. DB: Dry Bulb; WB: Wet Bulb.
1) Max 45°C by refrigerant circuit (heat pump cycle), over 45°C is provided by electric heater operation. * Tentative Data.



ECONAVI: Optional.