

MULTI V™

OUTDOOR UNIT LINE UP

MULTI V™ ITV HEAT PUMP / HEAT RECOVERY



8, 10, 12HP



14, 16, 18, 20HP



22, 24HP



26, 28, 30, 32HP



34, 36, 38, 40HP



42, 44, 46, 48, 50, 52HP



54, 56, 58, 60HP



62, 64, 66, 68, 70, 72, 74, 76, 78, 80HP

MULTI V™ MINI



4HP
1Ø, 220V



5, 6HP
1Ø, 220V



4, 5, 6HP
3Ø, 380V

MULTI V™ SPACE II



6, 8HP

MULTI V™ WATER IV HEAT PUMP / HEAT RECOVERY



8, 10, 12, 14, 16, 18, 20HP



22, 24, 26, 28, 30, 32, 34, 36, 38, 40HP



42, 44, 48, 50, 52, 54, 56, 58, 60HP



62, 64, 66, 68, 70, 72, 74, 76, 78, 80HP


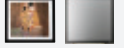

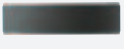




























MULTI V™ WATER S



4, 5, 6HP

MULTI V™

INDOOR UNIT LINE UP

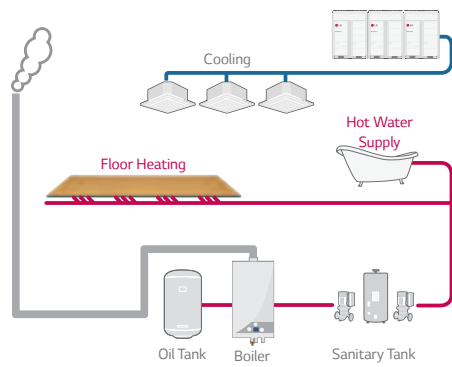
			kW	1.5	2.2	2.8	3.6	4.5	5.6	6.2	7.1	8.2	10.6	12.3	14.1	15.8	22.4	28.0
			Btu / h	5k	7k	9k	12k	15k	18k	21k	24k	28k	36k	42k	48k	54k	76k	96k
ART COOL Series	Gallery 																	
	Mirror 																	
Wall Mounted																		
Console																		
Ceiling Cassettes	4 Way Cassette (570x570) 																	
	4 Way Cassette (840x840) 																	
	2 Way Cassette 																	
	1 Way Cassette 																	
Ceiling Concealed Ducts	Low Static 																	
	Built-in 																	
	High Static 																	
Fresh Air Intake Units																		
Ceiling & Floor																		
Ceiling Suspended																		
Floor Standing	With Case 																	
	Without Case 																	

HYDRO KIT

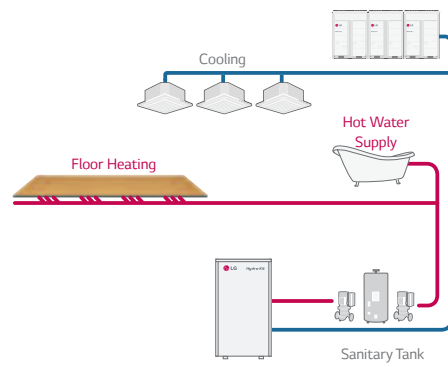
Easy Installation

Unnecessary to duct for exhaust gas, easy to install as it uses a compact and modular structure.

MULTI IV + Boiler



MULTI V IV + HYDRO KIT



Eco-friendly Green Energy Solution

Green energy solution through the reduction of CO₂ emissions.

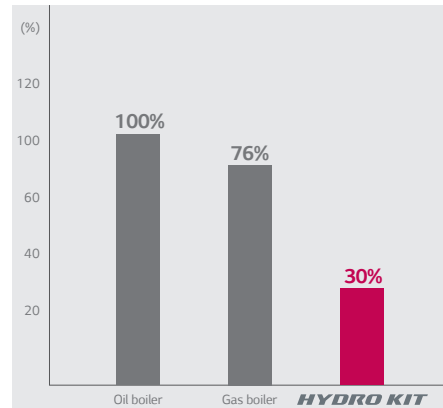
Conventional system



HYDRO KIT



CO₂ emissions



Saving Cost through High Efficiency

Possible to install with equivalent levels of capital cost as a boiler system and minimise energy costs by low-priced operating costs.

1st Proposal MULTI V IV HYDRO KIT (Air Conditioning + Hot water supply + Floor Heating)

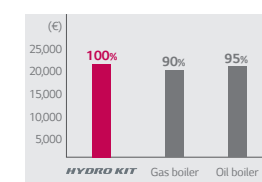
2nd Proposal MULTI V IV Air-conditioning + Gas Boiler (Hot water supply + Floor Heating)

3rd Proposal MULTI V IV Air-conditioning + Oil Boiler (Hot water supply + Floor Heating)

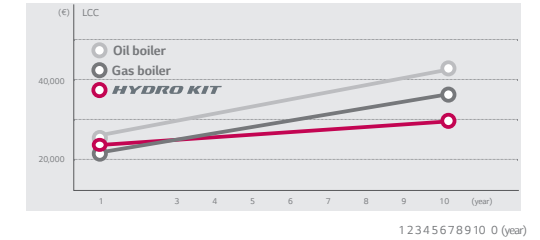
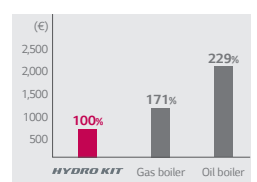
Analysis Conditions

- Building Type : Dormitory, flats
- Cooling / Floor Heating / Sanitary Hot water for 10 years
- Cooling : MULTI V IV Indoor unit
- Floor Heating : Medium Temp. HYDRO KIT (1ea)
- Sanitary Hot water : High Temp. HYDRO KIT (2ea), Sanitary Hot water tanks
- Electricity cost : Average cost in EU
- Gas cost : Average cost in EU
- Oil cost : Average cost in EU

Initial Costs

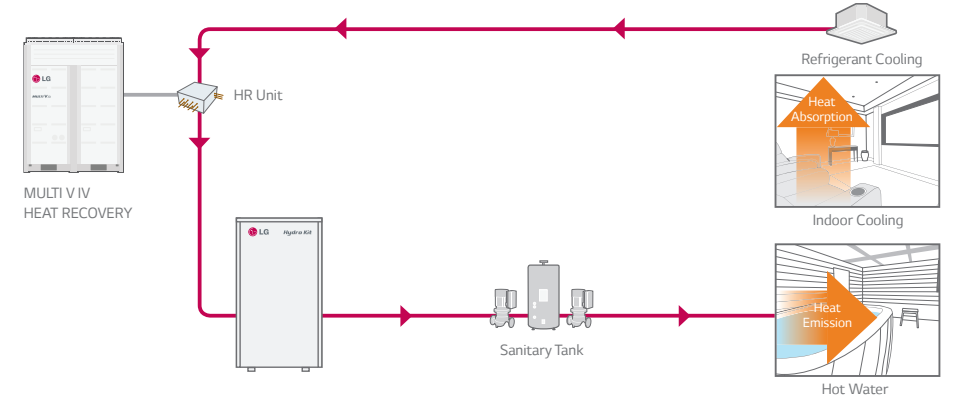


Annual Operating Coast



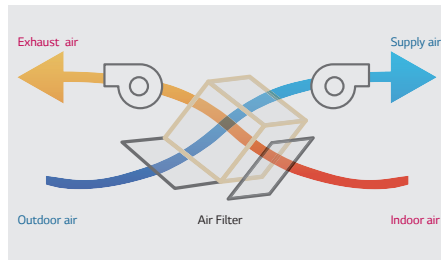
Energy Saving through MULTI V IV Heat Recovery

Energy costs can be minimized by reusing the wasted heat from indoor units.



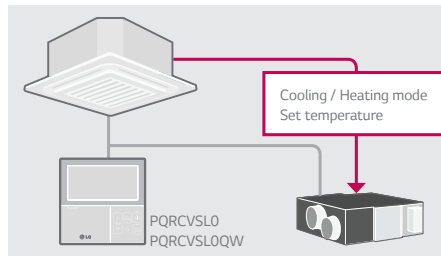
High Efficiency Heat Exchanger

Efficiency and comfort is ensured through the high-efficiency energy recovery central core which recovers energy from the indoor air and transfers it to the fresh incoming air without mixing airstream.



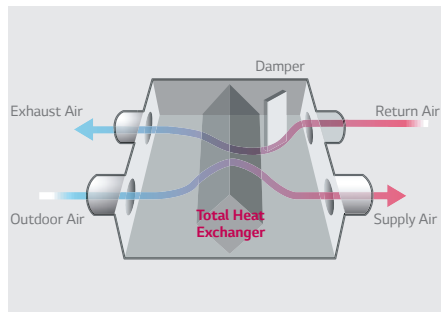
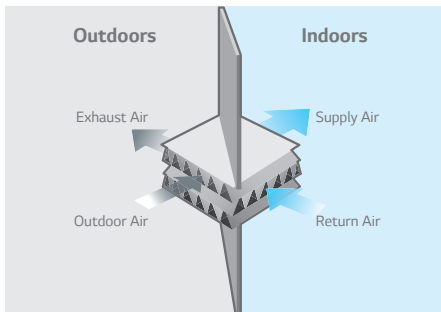
Interlocking with Air Conditioning System

- ECO V can be interlocked with air conditioners and controlled individually.
- This function can be operated when the system is connected with a remote control.



Compulsory Exhausting System

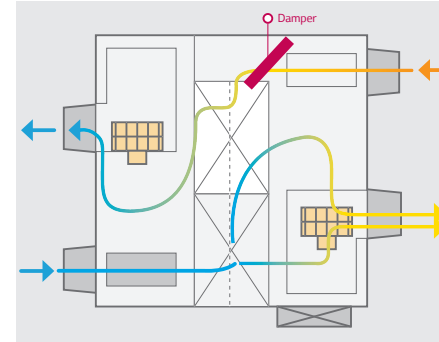
The exhausting system using high static and sirocco fan removes contaminants effectively from indoor air. Supply and exhaust air flows are completely separated in the total heat exchanger, ECO V can filter out the impurities before supplying outdoor air and make indoor air fresh and healthy.



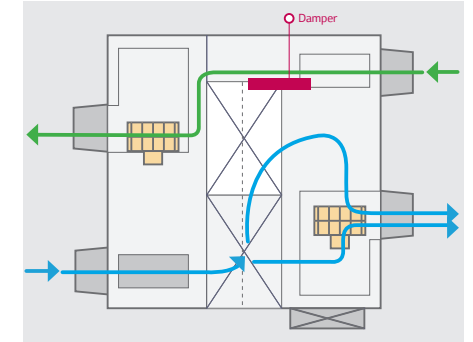
Bypass Ventilation

ECO V automatically switches the ventilation mode (Enthalpy Heat Exchange Mode / Bypass Mode) according to the indoor/outdoor temperature. (Only applied to 500 CMH or above)

Enthalpy Heat Exchange Mode (Summer / Winter)



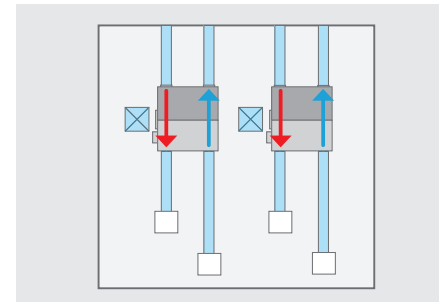
Bypass Mode (Seasonal Change)



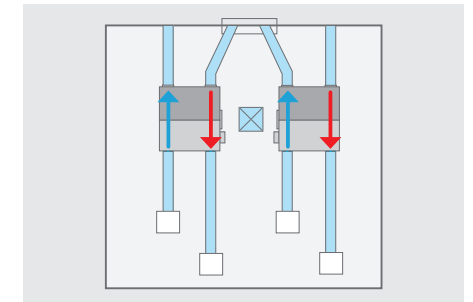
Flexibility of Installation

It's possible to install ECO V upside down when you need only one inspection hole.

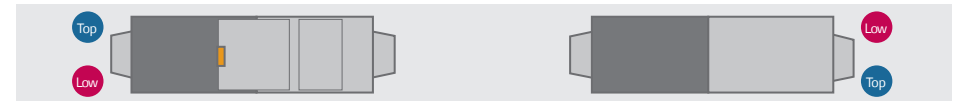
Normal installation of 2 units



Reverse installation of 1 unit (Left unit)









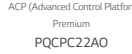
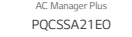




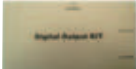



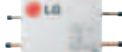


Inspection chamber



ACCESSORIES

AIR CONDITIONER CONTROL SYSTEM LINE UP

Remote Controller				Central Controller		Central Controller	Gateway	AHU Kit (Air Handling Unit)	Electronic Accessories		
Wired Remote Controller				Wireless Remote Controller	Simple Central Controller	AC Smart Premium	ACP (Advanced Control Platform) & AC Manager Plus	Building Network Unit	PI 485 & DO Kit (Digital Output Kit)		
Simple	standard	Deluxe	Premium								
 PQRCVCL0Q (Black/Simple)	 PQRCVSLO	 PQRCUDSO (White)	 PREMTA000	 PQWRHQFDB(H/P)	 AC Ez PQCSZ250SO	 AC Smart Premium PQCSW421E0A	 ACP (Advanced Control Platform) Standard PQCP22NO  ACP (Advanced Control Platform) Premium PQCP22ZAO  AC Manager Plus PQCSA21EO	 ACP LenWorks Gateway PLNWKB000  ACP BACnet/Modbus Gateway PQNFB17CO  KNX Gateway	 PI 485 PMNFP14A1 PHNFP14A0 PSNFP14A0  DO Kit (Digital Output Kit) PQNFP00TO	 Communication kit PRCKA0 PRDCA0  EEV kit (Electronic Expansion Valve kit) PRLK048A0 PRLK096A0  Control kit PRCKD21E PRCKD41E  Expansion kit PATX13A0E PATX20A0E PATX25A0E PATX35A0E PATX50A0E	<ul style="list-style-type: none"> • PDI (Power Distribution Indicator) Premium • Dry Contact • I/O Module (Input / Output Module) • Variable Water Flow Control kit • Independent Power Module • Remote Temperature Sensor • Cool/Heat Selector • Group Control Wire • Zone Controller