



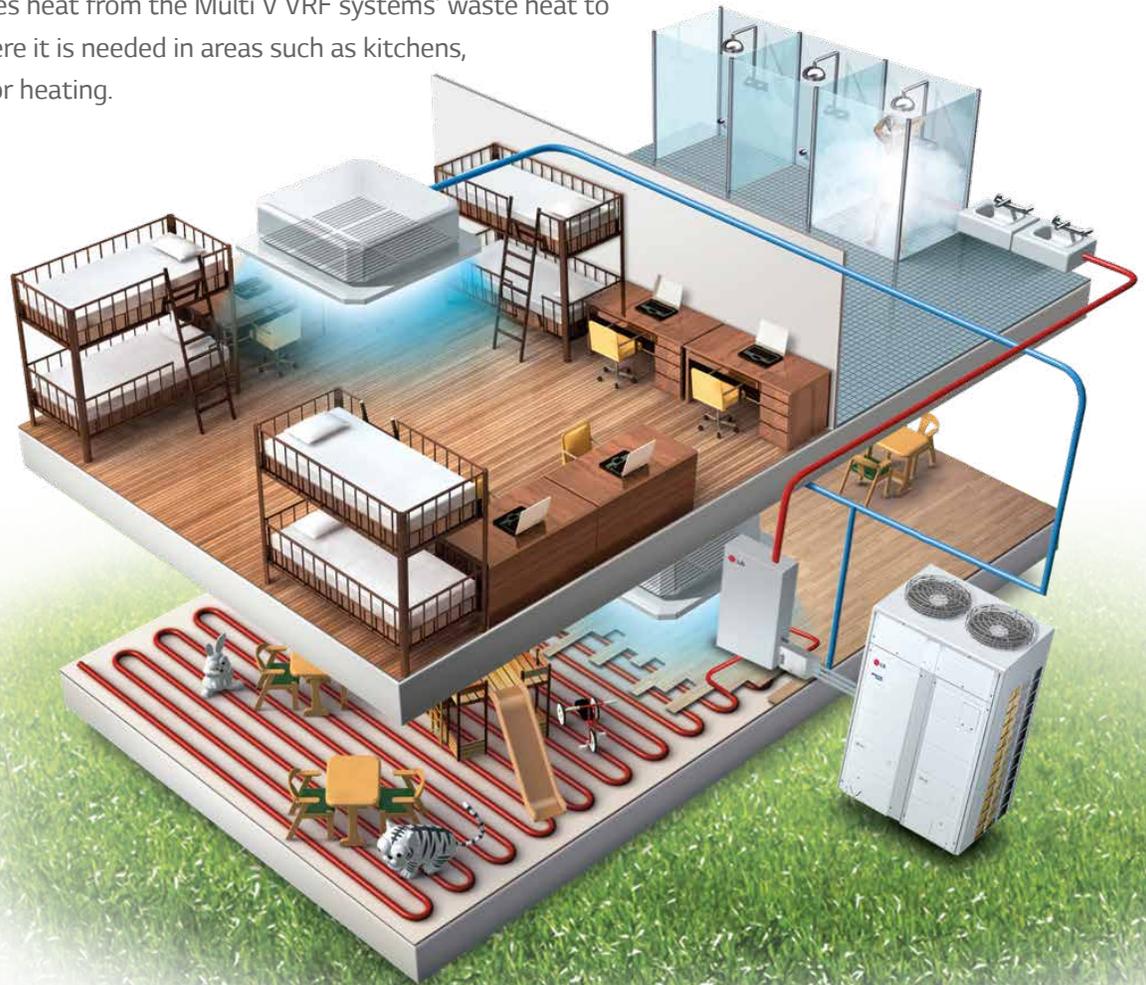
Hot water  
using heat  
recovery

# Hydro Kit

- Economical
- Efficient
- High Temperature Heat

# LG Hydro Kit

The LG Hydro Kit is an efficient way to recover waste heat from VRF air conditioning systems. The Hydro Kit receives heat from the Multi V VRF systems' waste heat to provide hot water for use where it is needed in areas such as kitchens, bathrooms, radiators, and floor heating.



## Control Options

- Wall-mounted Hydro Kit controller
- DHW tank sensor
- LG remote wall-mounted sensor or third-party thermostat
- LG Central controller and BMS interface compatible

## Applications

- Use with Multi V Heat Pump/Heat Recovery
- Comfort cooling/heating
- Radiant floor heating & perimeter wall fin
- DOAS preheat and reheat coils
- Air handler hydronic heating coils

## Hydro Kit Works with These LG VRF Systems



Multi V IV

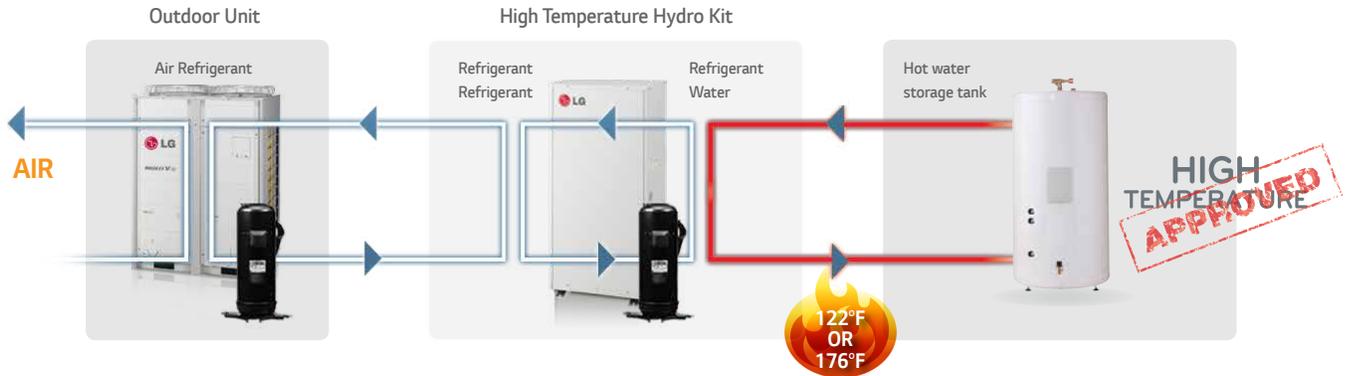


Multi V Water IV

# How Hydro Kit Works

LG's new High Temperature Hydro Kit is an efficient solution for in-floor and hydronic coil heating, as well as heating domestic water. The heat pump contained in the Hydro Kit works by extracting heat from a Multi V Heat Pump or Heat Recovery System to heat a building or provide domestic hot water.

## How Does It Work?



## Hydronic Applications



In Floor Heating



Solar Combo



Preheat & Reheat Applications



Fan Coils



Process/ Domestic

## Hydro Kit Benefits

Provides hot water and floor heating with less energy consumption than a boiler.

Gas Boiler systems require exhaust to the outside. No exhaust or exhaust piping is required with the Hydro Kit. Hydro Kit is compact and easy to install, and can connect to multiple heat pumps for additional savings.



## ENERGY SAVING THROUGH HEAT RECOVERY

Models	ARNH96K2A2	ARNH763K3B2
		
Heating Capacity (Btu/h)	107,500	86,000
Cooling Capacity (Btu/h)	95,500	-----
Power supply	208/60/1	208/60/1
MCA	0.06	28.8
Type	Cooling/Medium Temperature Heating	High Temperature Heating
Dimensions (W x H x D) (in)	21 x 25 x 13	21 x 43 x 13
Net Weight (lbs)	77	207
Sound pressure dB (A)	26	43
Compressor type	-----	Inverter Rotary
Compressor quantity	-----	1
Nominal water flow rate (GPM)	24.3	9.5
Pressure drop at nominal flow rate (ft-wg)	23/1	6.7
Range of Water Flow (GPM)	8-24	5-19
Leaving water temp range (°F)	42-122	86-176
Heat Exchanger type	R410a to water	R410a to R134a/R134a to water



LG Electronics USA, Inc.  
11405 Old Roswell Road  
Alpharetta, Georgia 30009  
[www.lg-vrf.com](http://www.lg-vrf.com)

With LG, it's all possible.™