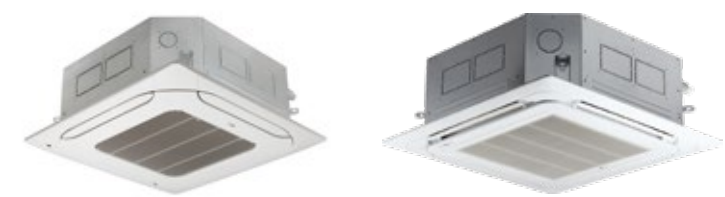

ACCESSORIES

MECHANICAL ACCESSORIES / PIPING ACCESSORIES



CASSETTE PANEL

The Independent Vane Operation makes desired and comfortable air flow.



PT-QCHW0, PT-MCHW0

PT-UQC, PT-UMC1



PT-USC

PT-UUC, PT-UUC-1, PT-UTC



PT-UUD, PT-UTD

PT-UPHG0, PT-TPHG0, PT-UAHG0, PT-TAHG0

Key Features

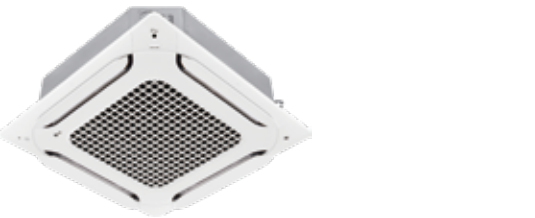
- Independent vane operation uses separate motors, making it Possible to control all 1, 2, and 4 vanes independently.
- The detachable corner design makes it easy to adjust the hanger during installation and to check for leakages in the drain pipe and refrigerant pipes.

Specification

Model		Suction Type	Color (RAL)	Dimension (mm)			Gloss	Weight (kg)	Air purification	Applied Model Capacity (kW) ¹⁾		
				W	H	D				Single Split R410A	MULTI Split R410A	MULTI V R410A
4 Way	PT-QCHW0	Grill	Morning Fog (RAL 9001)	620	35	620	-	3.0	X	2.5 ~ 5.0	1.5 ~ 5.3	1.6 ~ 6.2
	PT-MCHW0	Grill	Morning Fog (RAL 9001)	950	35	950	-	6.3	X	6.8 ~ 14.6	-	7.1 ~ 15.8
	PT-UQC	Grill	Morning Fog (RAL 9001)	700	22	700	-	3.0	X	2.5 ~ 5.0	1.5 ~ 5.3	1.6 ~ 6.2
	PT-UQC	Grill	Morning Fog (RAL 9001)	950	25	950	-	5.6	X	6.8 ~ 14.6	6.7	7.1 ~ 15.8
2 Way	PT-USC	Grill	Morning Fog (RAL 9001)	1,100	28	690	-	4.7	X	-	-	2.8 ~ 7.1
	PT-UUC	Grill	Noble White (RAL 9003)	1,100	34	500	○	4.6	X	-	-	2.2 ~ 3.6
1 Way	PT-UUC1	Grill	Noble White (RAL 9003)	1,100	34	500	-	4.4	X	-	2.6 ~ 3.5	-
	PT-UTC	Grill	Noble White (RAL 9003)	1,420	34	500	○	5.5	X	-	-	5.6 ~ 7.1
	PT-UUD	Panel	Noble White (RAL 9003)	1,100	34	500	○	4.6	X	-	-	2.2 ~ 3.6
	PT-UTD	Panel	Noble White (RAL 9003)	1,420	34	500	○	5.5	X	-	-	5.6 ~ 7.1
	PT-UPHG0	Grill	Noble White (RAL 9003)	1,160	34	500	○	4.1	○ ²⁾	-	2.1 ~ 3.5	2.1 ~ 3.5
	PT-TPHG0	Grill	Noble White (RAL 9003)	1,480	34	500	○	4.9	○ ²⁾	-	5.0 ~ 7.1	5.0 ~ 7.1
	PT-UAHG0	Grill	Noble White (RAL 9003)	1,160	34	500	○	4.1	X	-	2.1 ~ 3.5	2.1 ~ 3.5
	PT-TAHG0	Grill	Noble White (RAL 9003)	1,480	34	500	○	4.9	X	-	5.0 ~ 7.1	5.0 ~ 7.1

1) Based on cooling capacity
2) Air purification Kit needed (Kit Model name : PTAHTP0)
※ ○ : Applied, - : Not applied

DUAL VANE CASSETTE PANEL



Model Name

PT-AAGW0
PT-AEGW0
PT-AFGW0

Key Features

Model	Function					
	Dual Vane	Wi-Fi	Floor Temperature Sensor	Air Purification	Elevating Grille	Occupancy Sensor
PT-AAGW0	○	Optional	X	X	X	Optional
PT-AEGW0	○	Optional	X	X	○	Optional
PT-AFGW0	○	Optional	○	Optional	X	Optional

Specification

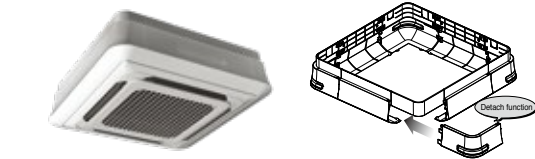
Model	Suction Type	Color (RAL)	Gloss	Weight (kg)	Dimension (mm)		
					W	H	D
PT-AAGW0	Grid	White (RAL 9003)	-	7.1	950	35	950
PT-AEGW0	Grid	White (RAL 9003)	-	8.5	950	35	950
PT-AFGW0	Grid	White (RAL 9003)	-	7.5	950	35	950

Air Purification Kit

Model	Image	Model name	Dielectric Dust collecting filter	Photocatalytic Deodorizing filter	HVPS	Ionizer
Air cleaning kit		PTAHMP0	○	○	○	○

CASSETTE COVER

Cover in case of exposed cassette installation.



Key Features

- Specially designed for indoor unit
- Covers the side area of cassette
- Gives elegant looks
- Light weight

Specification

Model	Front Panel		Weight (kg)		Dimensions (mm)		
			NET	Gross	W	H	D
PTDCM	PT-UMC / PT-UMC1	TP / TN	5.9	8.8	1,157	1,157	268
		TM	5.9	8.8	1,157	1,157	310
PTDCQ	PT-UQC	TR	5.0	7.2	907	907	268
		TQ	5.0	7.2	907	907	310

Model Name

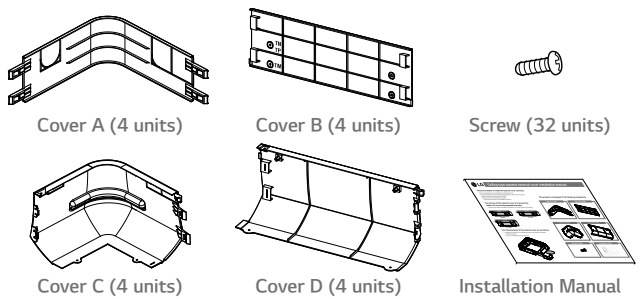
PTDCM / PTDCQ

Applied Products

4 Way Cassette (for chassis TP, TN, TM, TQ, TR)

Included Parts

- Cover A, Cover B
- Cover C, Cover D
- Screws
- Installation Manual



CO₂ SENSOR

CO₂ sensor in ventilation system.



Model Name

AHCS100H0

Applied Products

LZ-H025GBA4
LZ-H035GBA5 / LZ-H050GBA5
LZ-H080GBA5 / LZ-H100GBA5
LZ-H150GBA5 / LZ-H200GBA5

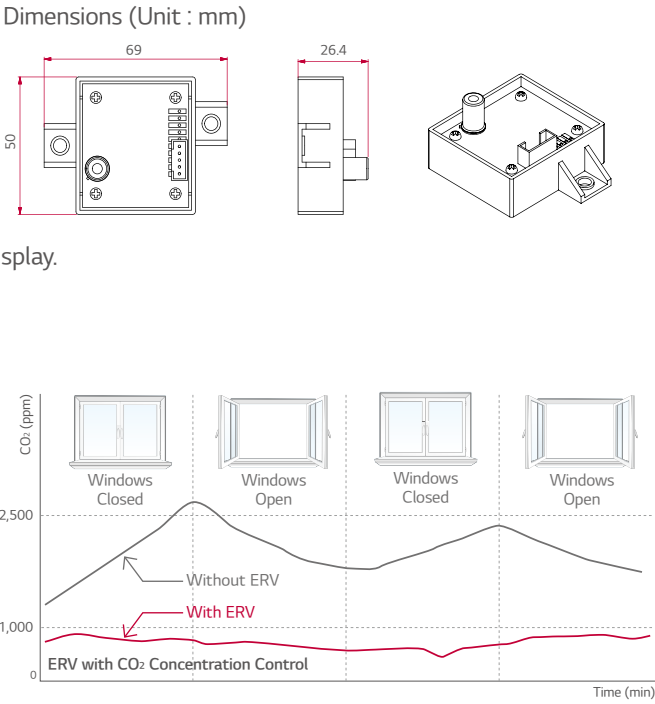
Applicable Products

LZ-H050GXN0 / LZ-H080GXN0
LZ-H100GXN0 / LZ-H050GXH0
LZ-H080GXH0 / LZ-H100GXH0

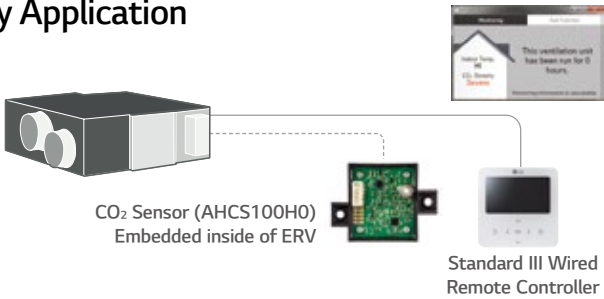
Key Features

- Specification
- Applied Model : ERV (Embedded), ERV DX (Option)
 - Supply voltage : DV12V ± 5%
 - Output : 0.6 ~ 4.4V (Linear output, 240 ~ 1,760 ppm CO₂)
 - Accuracy : ± 10% (2 days after installation)

- Description
- The product is especially designed to detect CO₂.
 - This model requires Standard III Wired Remote Controller for display.

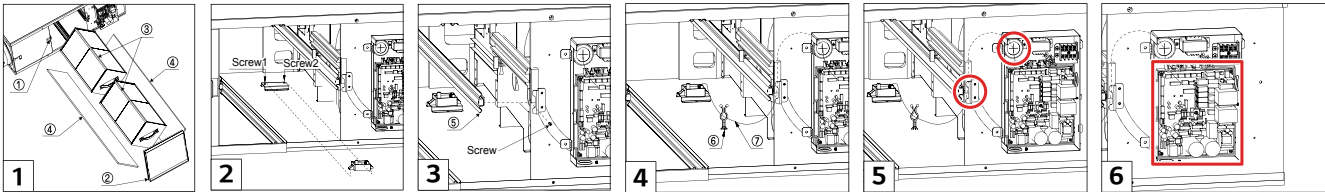


Key Application



How to Install

1. Remove a screw on the service cover. Pull the service cover fixing bracket(①), then remove the service cover(②). Remove two elements(③) and two air filters(④).
 2. Install the sensor with two screws.
 3. Remove a screw, then remove the right side of element rail(⑤).
 4. Press the holder(⑥) into the hole to fix the CO₂ sensor cable(⑦).
 5. Connect the wire terminal to the CN-CO₂ port of PCB.
- ※ Airflow can be controlled by concentration of CO₂, after setting automatic operation mode at remote controller.
- ※ Use the screwdriver whose total length is less than 250mm.



REFRIGERANT LEAKAGE DETECTOR

R410A refrigerant leakage detector ensures room safety.



Model Name

PRLDNV50

Applied Products

MULTI V 5
MULTI V IV Heat Pump & Heat Recovery
MULTI V WATER IV

Specification

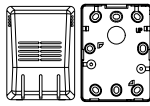
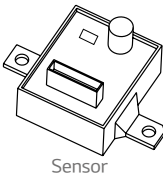
Parts	Specification	
Sensor	Rated Voltage (V)	DC 5.0 ± 5%
	Dimensions (W x H x D, mm)	31 x 44 x 20
	Weight (g)	22
	Detectable Refrigerant	R410A
	Detected Concentration (ppm)	0 / 6,000 Alarm Off / On
	Operating Temperature Range (°C)	-10 ~ 50
	Preserved Temperature Range (°C)	-40 ~ 60
	Average Power Consumption (mA)	35
Connecting Cable	Cable Length (m)	10
Sensor Protective Cover	Dimensions of Front Plate (W x H x D, mm)	80 x 110 x 44.6
	Dimension of Backplate (W x H x D, mm)	80 x 110 x 6.5

This function available for ARU****L**5 and 4 (MULTI V 5, MULTI V IV H/P, H/R model).

Key Features

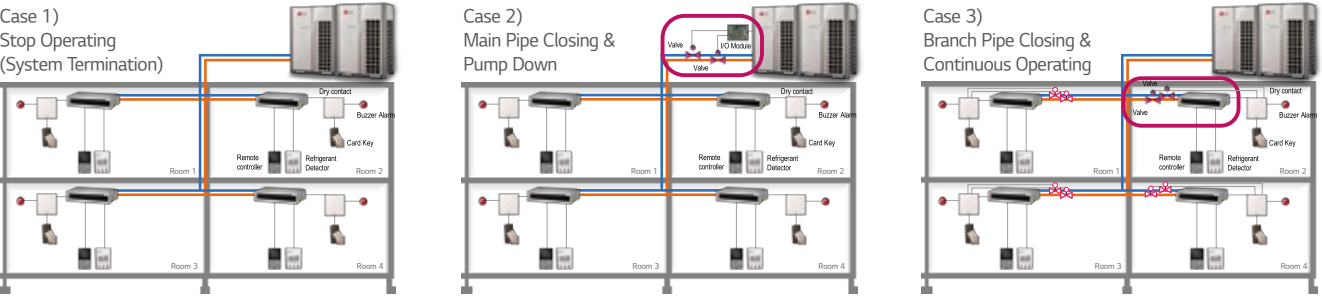
- This detector senses refrigerant leakage when the refrigerant concentration exceeds 6,000ppm. (The green and red LED lights blink simultaneously.)
- Alarm is “on” when refrigerant leaks out more than 6,000ppm for 5 seconds. If it is reduced less than 6,000ppm for 5 seconds, alarm is “off”.
- When the alarm of the refrigerant leak detector is switched on the user must ventilate the room until the alarm is disabled.
- The detector has to be installed inside the room and it should be installed 300 ~ 500mm above the floor.

Included Parts



Key Application

Refrigerant Leakage Detector has three application methods.



Accessory Specification (To realize the case 2 application)



※ Necessary accessory



PRLDNV50 (Refrigerant leak detector)



[Optional / Field Supply] Automatic Ball Valve¹⁾

¹⁾ Please contact to subsidiary to get the recommended specification. (LG Electronic don't provide this accessory)



PDRYCB400 (Dry contact)



[Optional / Field Supply] Buzzer alarm for central control room (Direct connection - DC 30V, ~ 1A)



[Field Supply] Buzzer alarm for room



Central Control Devices

EEV KIT (FOR INDOOR UNIT)

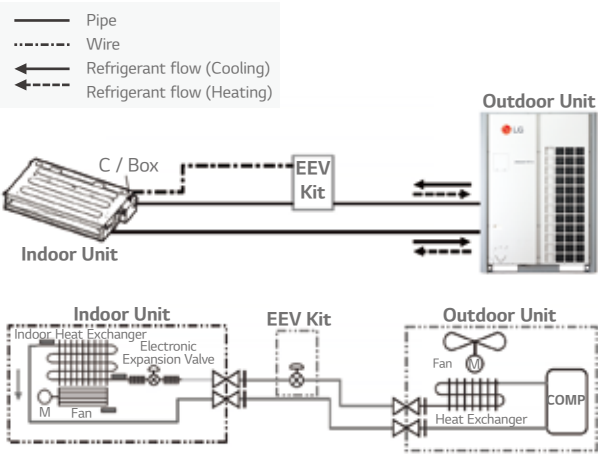
MULTI V EEV KIT is specially designed to reduce noise and make comfort environment.



Key Features

- Decreasing noise level of Multi V Indoor units and easy installation.

Key Application



How to Install

- Open Indoor unit's control box cover.
- Open fully indoor unit's EEV through vacuum mode of ODU setting.
 - Detach the Indoor unit's EEV connector from PCB and then push the reset button of Outdoor unit's PCB.
 - After connecting indoor unit's EEV CONNECTOR, repeat the process ① & ②. Then, connect the EEV CONNECTOR of EEV KIT in PCB of indoor unit.
 - Finally connect the lead wire of the EEV Kit to the indoor unit's PCB.
 - Assemble the control box cover.

Model Name

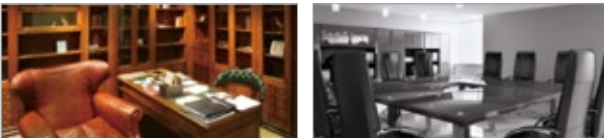
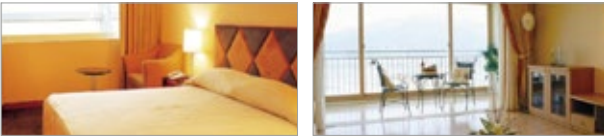
PRGK024A0

Applied Products

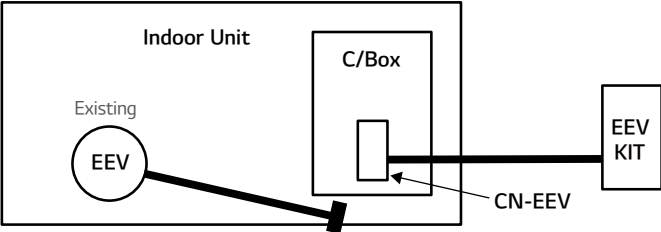
Indoor Unit	Model	Chassis	Applicable
Cassette	1 Way Cassette	TU	○
	2 Way Cassette	TT	N/A
		TS	○ (~5.6kW)
		TR	○
	4 Way Cassette	TQ	○ (~4.5kW)
		TP	N/A
		TN	N/A
Duct		TM	-
	High Sensible	BG	-
		BR	-
	High Static	B8	-
		B8	-
	Middle Static	M1	○ (~5.6kW)
		M2	-
Etc		M3	-
	Low Static	L1	○
		L2	-
		L3	-
	Floor Standing	CE	○
		CF	-
	Convertible	VE	○
Etc	Ceiling Suspended	V1	-
		V2	-
		SJ	○
	Wall Mounted	SK	○
		SV	-
	Art Cool	SF	○
	Console	QA	○
	HYDRO KIT	K2	-
		K3	-

※ ○ : Applied, - : Not applied, N/A : Not Applicable

EEV Kit can be applied for the space which requires quiet environment and noise sensitive space.



Note : If you don't use EEV of same specification, Cooling (Heating) capacity could be decreased.



IR RECEIVER

IR RECEIVER can be connected to ceiling concealed duct and floor standing unit which the customer wants to control by wireless remote controller.



Model Name

PWLRVN000

Applied Products

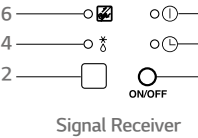
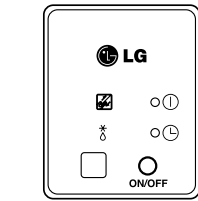
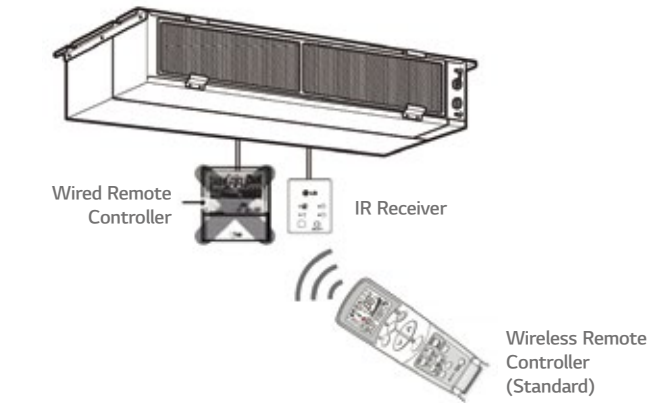
MULTI V Indoors (Ceiling Concealed Duct, Floor Standing Units)

Key Features

- Designed for wireless control
- Indication lamps (3 colors) and Self-diagnosis function

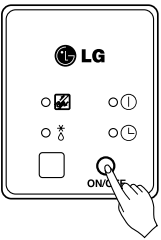
Key Application

Note : Do not install both the IR Receiver and Wired Remote Controller. This may cause malfunctions.



Operation of Indication Lamps

- Emergency Operation button :**
Turns the indoor unit on or off when remote controller is not working.
- Signal Detector :**
Receives the signal from remote controller.
- Timer lamp (Green) :**
Lights up during the timer operation.
- Hotstart lamp (Orange) :**
Lights up during the pre-heating operation, defrost operation as well as latent heat removal operation in heat mode. Available only for the heat pump models, not cooling only models.
- System On / Off lamp (Red) :**
Lights up during system controller operation.
- Filter Sign lamp (Green) :**
Lights up after 2,400 hours from the time of first power on operation.



Test Run Mode

After installing the product, you must run a Test Run mode. Press the emergency operation button for 5 seconds, until the LED flickers. Then the indoor unit, duct runs cooling mode for 18 minutes, where the setting temperature is 18℃ and the fan speed is high.

INDEPENDENT POWER MODULE

It closes EEV in indoor unit when power cut.



Model Name
PRIPO

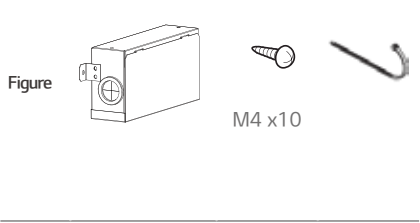
Applied Products
MULTI V Indoor Units

Key Features

- Independent Power Module is specially designed to close the Indoor EEV when power cut-off.
 - Supply Voltage : DC 12V ± 50%

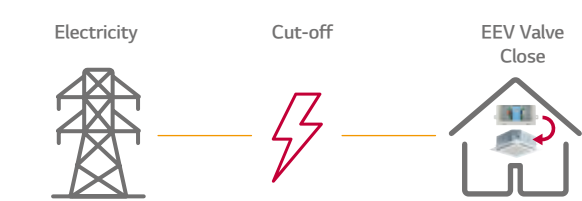
Included Parts

Model	PRIPO			(Others)
Item	Independent Power Kit	Screw	Clamp (Tie Wrap)	• Harness 1 (1m) • Harness 2 (1m) • Harness 3 (1m) • Installation Manual • Insulation (PE)
Q'ty	1	2	4	

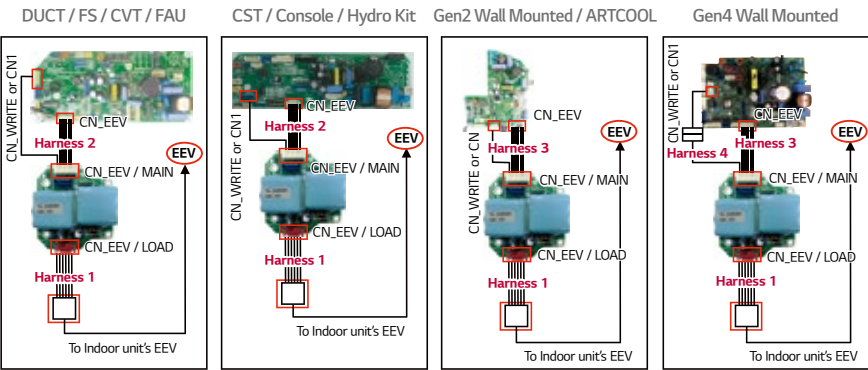


Key Application

If the EEV is opened due to power cut off, liquid refrigerant flows into compressor. It could damage the compressor in cooling mode. Also condensing might be happened for unclosed EEV's indoor unit due to flow of refrigerant.



How to Install



- ① Turn the power off using circuit breaker.
- ② Disconnect the EEV cable of the indoor unit's PCB (CN-EEV)
- ③ Connect the independent power module (CN-EEV/LOAD) to the indoor unit's EEV, using harness 1.
- ④ Connect the independent power module (CN-EEV/MAIN) to the indoor unit's PCB (CN-EEV/CN-WRITE), using harness 2 or 3.
- ⑤ Supply the power.

* FS : Floor Standing
* CVT : Convertible
* FAU : Fresh Air Intake Unit
* CST : Cassette

AUXILIARY HEATER RELAY KIT

Providing an efficient way to add auxiliary heat.



Model Name
PRARS1

Applied Products
Wall Mounted, Art Cool Mirror, Art Cool Gallery

Model Name
PRARH1

Applied Products

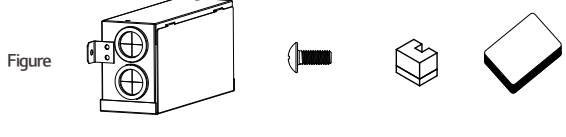
1, 2, 4 Way Ceiling Cassette, High Static Ducted, Low Static Ducted, Ceiling Suspended

Key Features

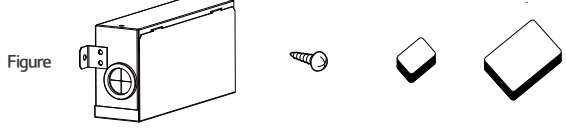
- Provides two stages of auxiliary heat for indoor unit.
- Provides ability to use the two stage auxiliary heater as the primary or secondary heating source.

Included Parts

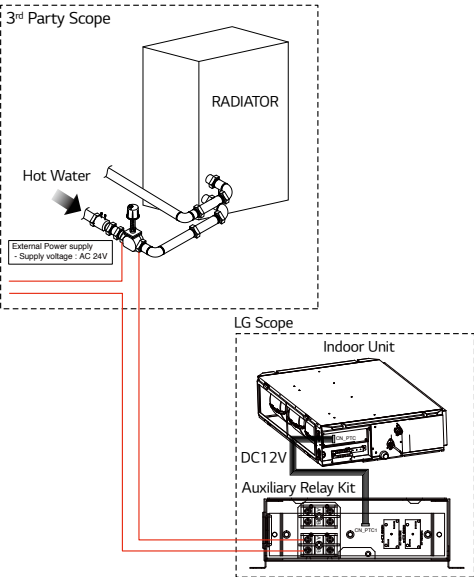
Model	PRARH1			
Item	Auxiliary Heater Relay Kit	Screw	Insulation	Installation Manual
Q'ty	1	2	2	1



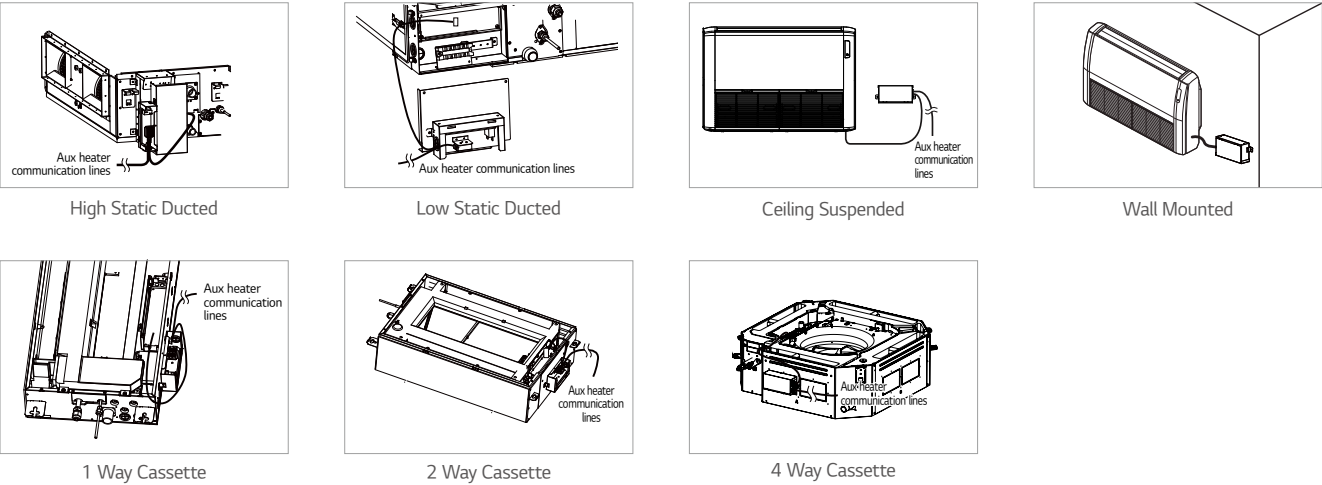
Model	PRARS1			
Item	Auxiliary Heater Relay Kit	Screw	Insulation	Installation Manual
Q'ty	1	2	2	1



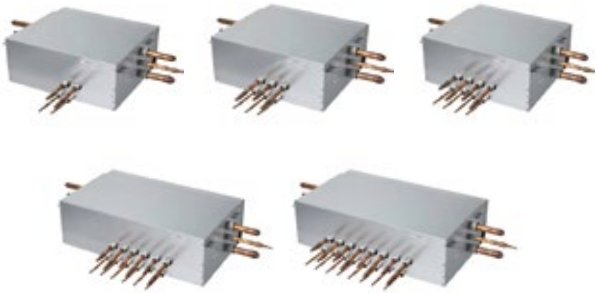
Key Application



How to Install



HEAT RECOVERY



Model Name

PRHR023 (2 Branch Unit)
PRHR033 (3 Branch Unit)
PRHR043 (4 Branch Unit)
PRHR063 (6 Branch Unit)
PRHR083 (8 Branch Unit)

Applied Products

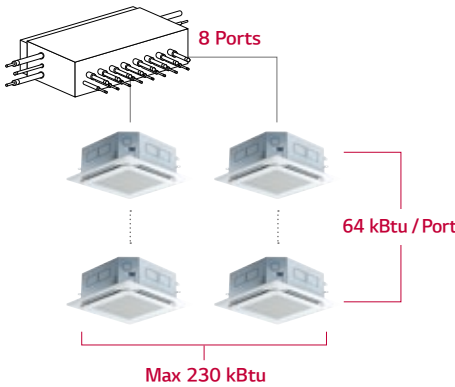
MULTI V 5
MULTI V IV
MULTI V WATER IV

Key Features

- Max. 64 indoor units can be connected. (Max. 8 indoor units per branch)
- It is easy to install due to the automatic search algorithm for piping detection.
- Subcooling cycle in HR unit makes the system efficiency maximum.

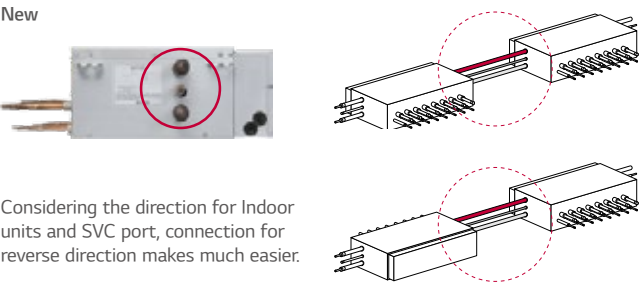
Connection Capacity

Maximum number of connectable indoor units :
64 IDUs / HR unit (in case of 8 ports model)

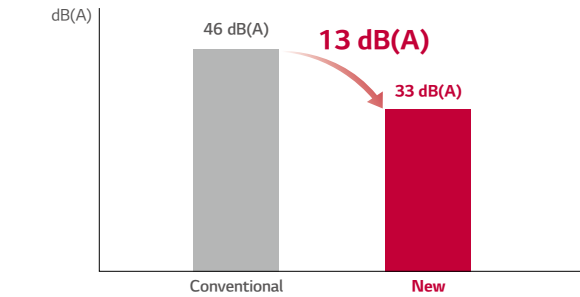


Flexible Connection

Series connection can be installed without pipes crossing.



Reduce Noise



Test Condition (ISO Standard)
- Temp. : (Cooling) 27℃ DB / 19℃ WB, 35℃ DB / 24℃ WB
(Heating) 20℃ DB / 15℃ WB, 7℃ DB / 6℃ WB
- Operating : cooling → heating switching operation

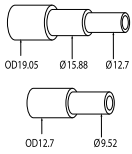
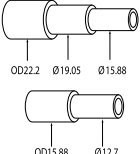
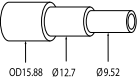
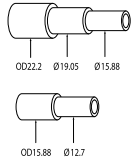
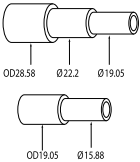
Included Parts

- HR unit (1EA)
- Hanging bolts M10 or M8 (4EA)
- Nut M8 or M10 (8EA)
- Washers M10 (8EA)
- Reducers

Specification

Model			PRHR023	PRHR033	PRHR043	PRHR063	PRHR083	
Number of Branch		EA	2	3	4	6	8	
Maximum Connectable Capacity of Indoor Units (Per branch / unit)		kW	17.5 / 35	17.5 / 52.5	17.5 / 69.5	17.5 / 69.5	17.5 / 69.5	
Maximum Number of Connectable Indoor Units Per Branch		EA	8	8	8	8	8	
Nominal Input	Cooling	kW	0.040	0.040	0.040	0.076	0.076	
	Heating	kW	0.038	0.038	0.038	0.072	0.072	
Net. Weight		kg	18.5	20.3	22.0	28.3	31.8	
Dimensions (W x H x D)		mm	786 x 218 x 657	786 x 218 x 657	786 x 218 x 657	1,113 x 218 x 657	1,113 x 218 x 657	
Piping Connections	Indoor Unit	Liquid	mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
		Gas	mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Outdoor Unit	Liquid	mm (inch)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
		Low Pressure	mm (inch)	22.2 (7/8)	28.58 (11/8)	28.58 (11/8)	28.58 (11/8)	28.58 (11/8)
		High Pressure	mm (inch)	19.05 (3/4)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
Power Supply		Ø, V, Hz	1, 220-240, 50 1, 220, 60	1, 220-240, 50 1, 220, 60	1, 220 - 240, 50 1, 220, 60	1, 220-240, 50 1, 220, 60	1, 220-240, 50 1, 220, 60	

Reducers for Indoor Unit and HR Unit

Model		(Unit : mm)		
		Liquid	High Pressure	Low Pressure
Indoor Unit Reducer				
PRHR023				
HR Unit Reducer				
PRHR033 PRHR043 PRHR063 PRHR083				

Y BRANCH AND HEADER BRANCH

For refrigerant distribution of indoor units.

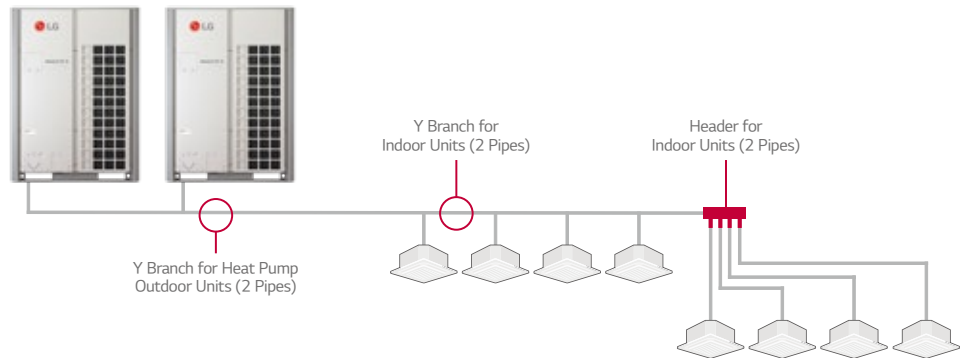


Key Features

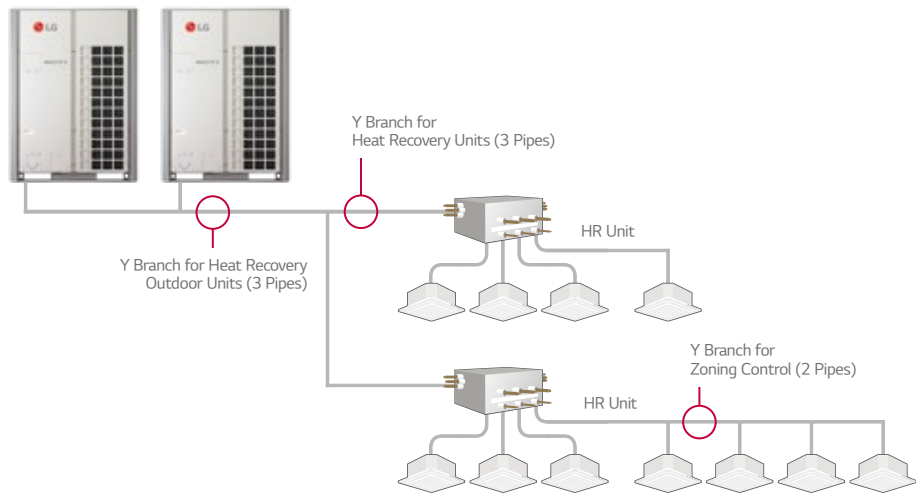
- Various Y Branch pipe of different capacities make MULTI V installation much easier.
- Y Branch and header branch for both gas and liquid are provided.
- Insulation material is also provided for covering the branches.

Key Application

Heat Pump System



Heat Recovery System



Model Name

Refer to specifications

Applied Products

MULTI V S
MULTI V IV
MULTI V III, MULTI V PLUS II, MULTI V PLUS
MULTI V S
MULTI V WATER IV
MULTI V WATER II
MULTI V WATER S

Specification

Header Branch

R410A

(Unit : mm)		
Model	Gas Pipe	Liquid Pipe
ARBL054 (4 Branch)		
ARBL057 (7 Branch)		
ARBL104 (4 Branch)		
ARBL107 (7 Branch)		
ARBL1010 (10 Branch)		
ARBL2010 (10 Branch)		

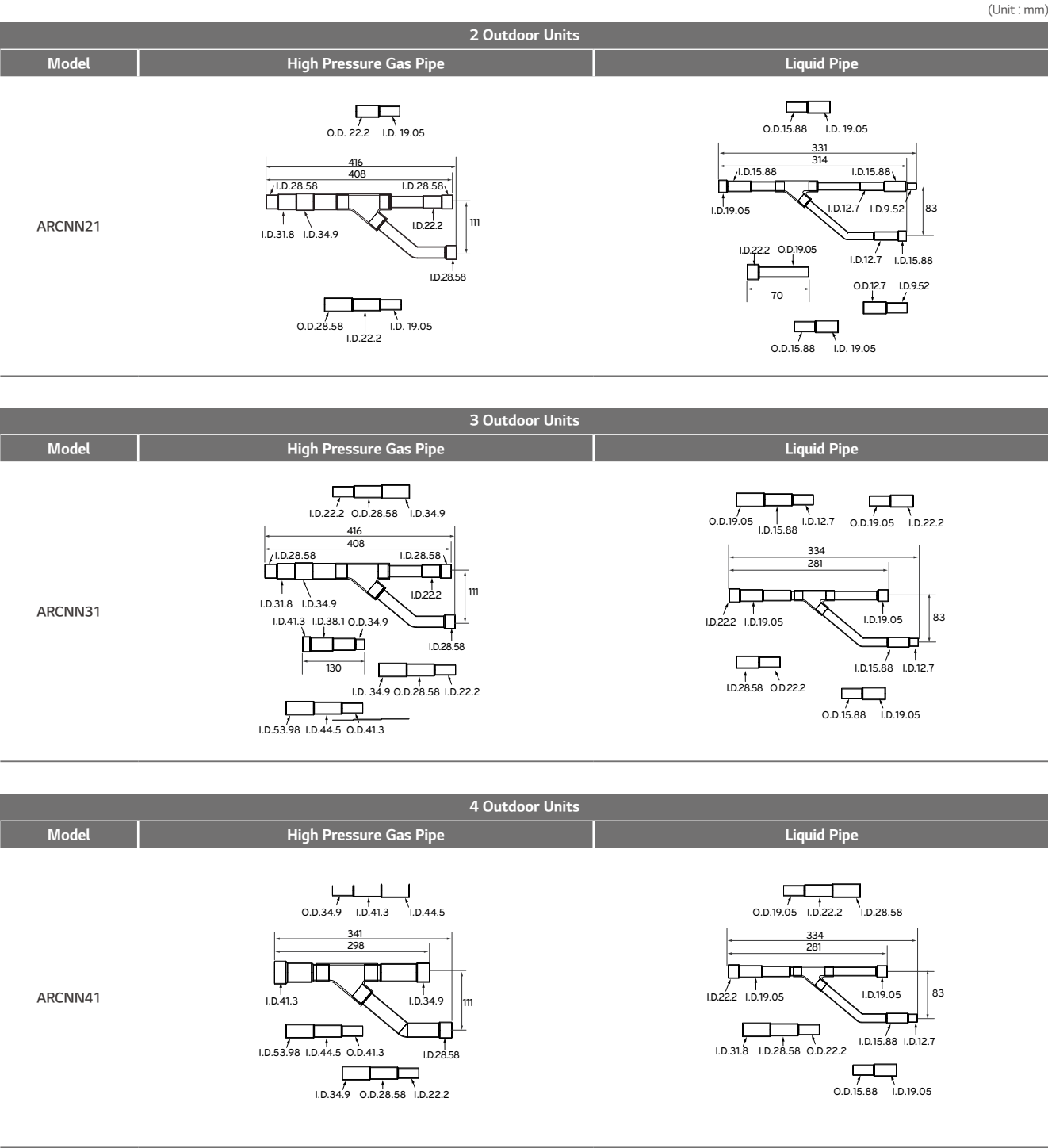
PIPING ACCESSORIES

Y Branch pipe for connection of outdoor units.

Specification

Heat Pump

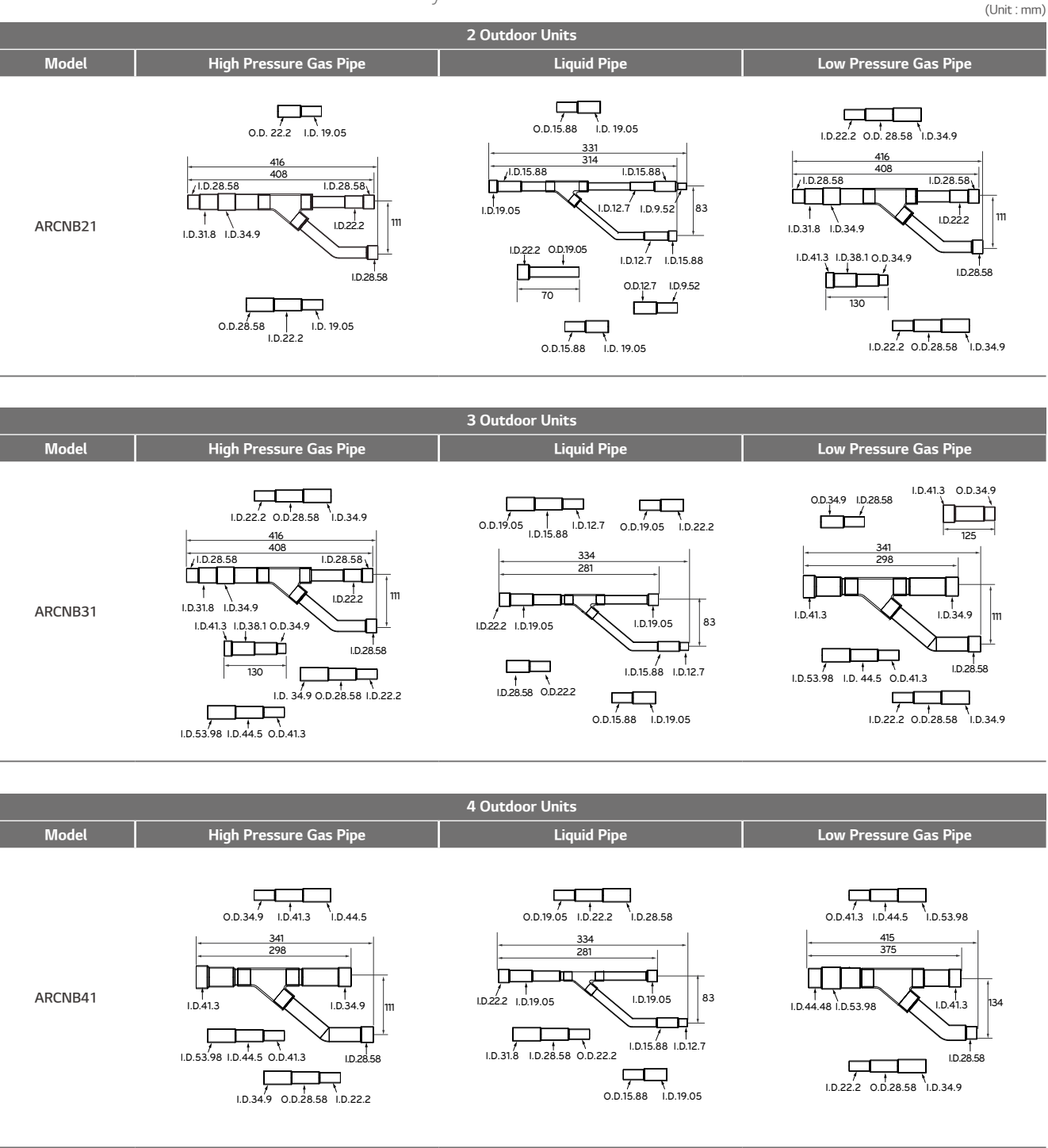
R410A MULTI V 5, MULTI V IV, MULTI V III, MULTI V WATER IV, MULTI V WATER II



Specification

Heat Recovery

R410A MULTI V 5, MULTI V IV Heat Recovery, MULTI V III Heat Recovery, MULTI V WATER IV Heat Recovery, MULTI V WATER II Heat Recovery



PIPING ACCESSORIES

Y Branch pipe for connection of outdoor units.

Specification

Heat Pump, Heat Recovery Zone Control

R410A MULTI V S, MULTI V IV, MULTI V III, MULTI V PLUS II, MULTI V PLUS, MULTI V S, MULTI V MINI, MULTI V SPACE II, MULTI V WATER IV, MULTI V WATER S, MULTI V WATER II

(Unit : mm)

Model	Gas Pipe	Liquid Pipe
ARBLN01621		
ARBLN03321		
Model	Gas Pipe	Liquid Pipe
ARBLN07121		
ARBLN14521		
Model	Gas Pipe	Liquid Pipe
ARBLN23220		

Specification

Heat Recovery

R410A MULTI V 5, MULTI V IV Heat Recovery, MULTI V III Heat Recovery, MULTI V WATER IV Heat Recovery, MULTI V WATER II Heat Recovery

Unit : mm)

Model	High Pressure Gas Pipe	Liquid Pipe	Low Pressure Gas Pipe
ARBLB01621			
ARBLB03321			
ARBLB07121			
ARBLB14521			

Model	High Pressure Gas Pipe	Liquid Pipe	Low Pressure Gas Pipe
ARBLB23220			

REFRIGERANT CHARGING KIT

Recharging refrigerant after a pump down or when refrigerant is either insufficient or excessive.



Model Name

PRAC1

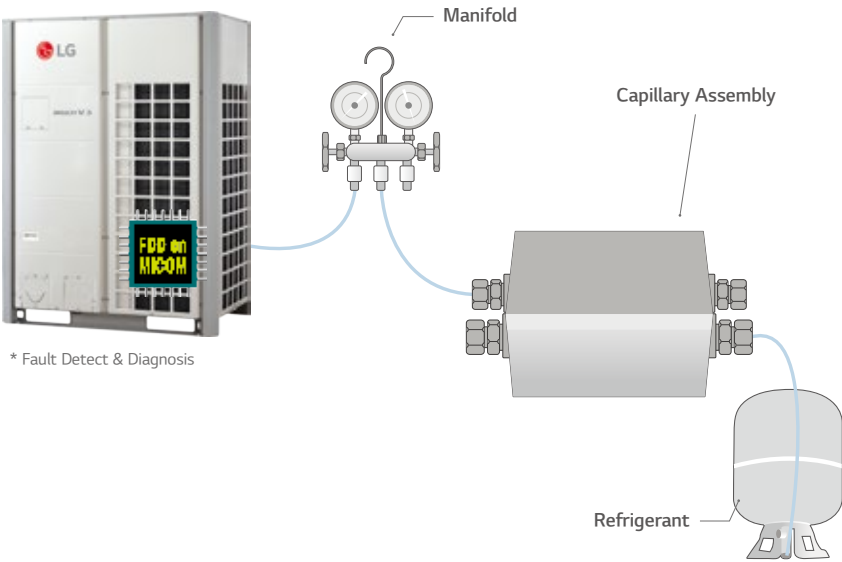
Applied Products

- MULTI V 5
- MULTI V IV Heat Pump
- MULTI V IV Heat Recovery
- MULTI V III Heat Pump
- MULTI V III Heat Recovery
- MULTI V PLUS II
- MULTI V SYNC II

How to Use

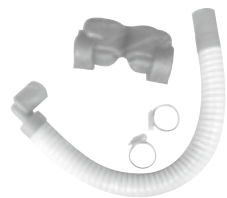
- Arrange manifold, capillary assembly, refrigerant vessel and scale.
- Connect manifold to the gas pipe service valve of outdoor unit as shown in the figure.
- Connect manifold and capillary tube. Use designated capillary assembly only.
If designated capillary assembly isn't used, the system may get damaged.
- Connect capillary and refrigerant vessel
- Purge hose and manifold
- After "568" is displayed, open the valve and charge the refrigerant.

Key Application



DRAIN HOSE

Easy drain installation.



Model Name

- PHDHA05T
- PHDHA07T
- PHDHA05B
- PHDHA07B

Applied Products

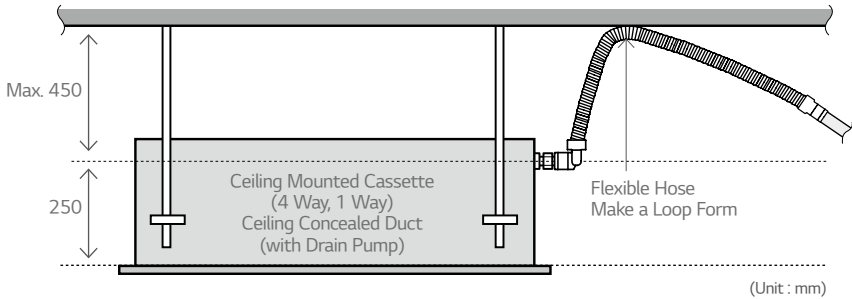
MULTI V Indoor units

Key Features

- It reduces the installation time by over 40% with elbow-less drain hose.
- Drain pump covers maximum 700mm high, featuring easy piping installation.

Key Application

- Ceiling Mounted Cassette and Ceiling Concealed Duct. (Refer to PDB for applicable model)



Specification

Model	Length	Quantity
PHDHA05T	500mm	30EA
PHDHA07T	700mm	30EA
PHDHA05B	500mm	5EA
PHDHA07B	700mm	5EA

STOPPER VALVES



Model Name

PRVT120 (Under 12.7mm)
PMVT780 (Under 22.2mm)
PMVT980 (Under 28.58mm)

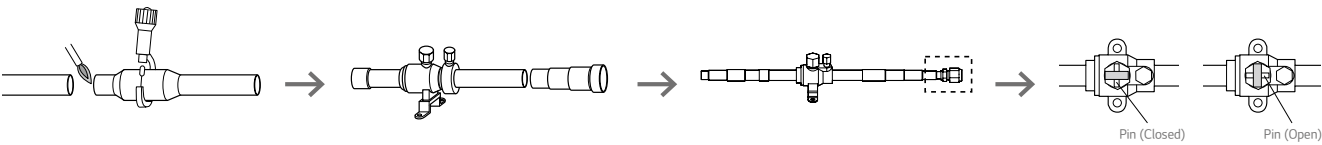
Key Features

- This unit can be applied for the additional indoor unit’s installation.
- This unit can be applied for each indoor unit’s service.

Specification

Model	Specification
PRVT120	
PRVT780	
PRVT980	

How to Install

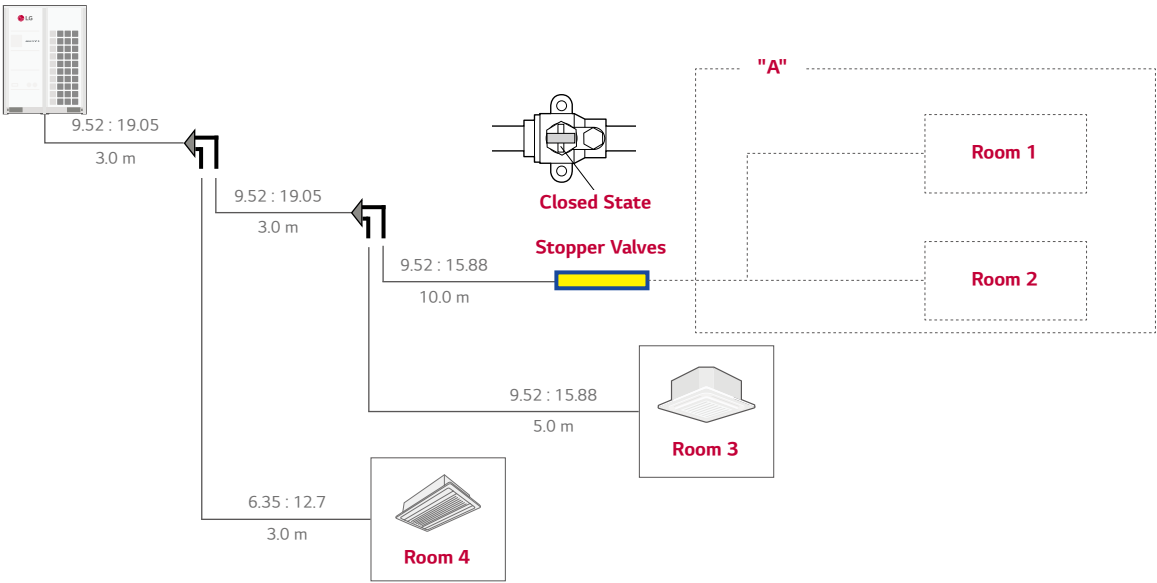


1. Cut the inlet side of the connector, and weld the pipe
2. If installing additional indoor units, the outlet side connector should be cut according to installation pipe.
3. When installing a stopper valve, the flare part should be facing towards additional indoor unit.
4. When installing an additional indoor unit, the SVC valve should be in closed state.

※ When welding, service valve should be wrapped by wet cloth.

Application

(Room 3 & 4 : in use / Room 1 & 2 : need to install indoor units)



- In case of installation of additional indoor unit, refrigerant of used indoor unit must be discharged. (Room 3 & Room 4)
- If stopper valve is already installed, you can install additional indoor unit without refrigerant loss from the entire system.
- After installation of additional indoor unit, you just need refrigerant charging for “A” section.
- Then, open the Stopper Valve.

