

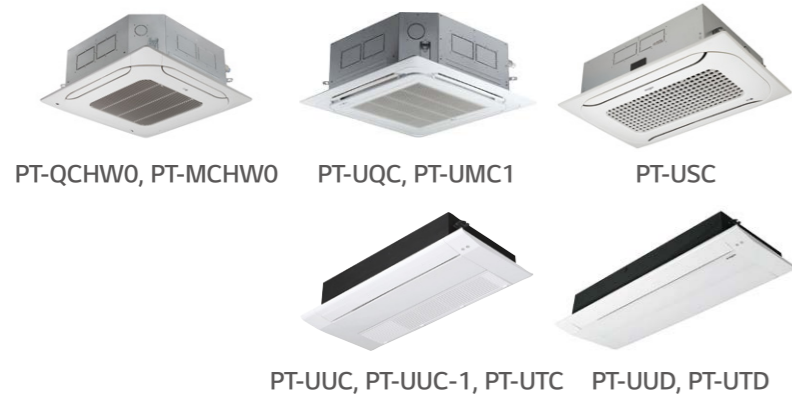
ACCESSORIES

MECHANICAL ACCESSORIES / PIPING ACCESSORIES



CASSETTE PANEL

Stylish designed panels make more unique space by various applications



Model Name & Applied Products

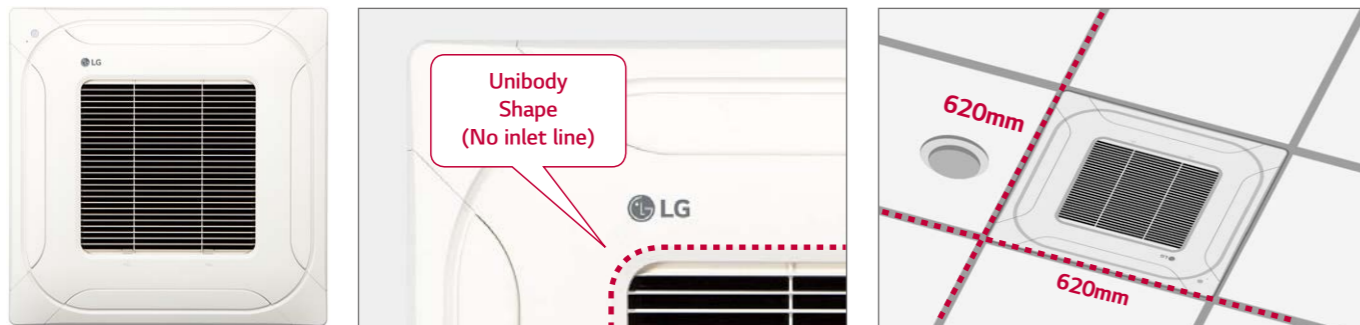
- 4 Way Cassette
PT-MCHW0
PT-QCHW0
PT-UQC / PT-UMC1
- 2 Way Cassette
PT-USC
- 1 Way Cassette (Grill Type)
PT-UUC / PT-UUC1 / PT-UTC
- 1 way cassette (Panel Type)
PT-UUD / PT-UTD

Key Features

- Independent vane operation uses separate motors, making it Possible to control all 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.

Compact and Stylish Design

- New 4 way cassette panel adapted unibody shape and matching with into the ceiling
- Panel size is fit into the ceiling tile



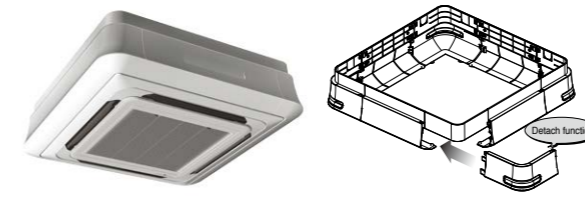
Specification

Model	Suction Type	Color (RAL)	Gloss	Weight (kg)	Dimension (mm)			Applied model capacity (kW)*					
					W	H	D	Single Split		Multi Split		Multi V	
								R32	R410A	R32	R410A	R410A	
4 way	PT-QCHW0	Grill	Morning Fog (RAL 9001)	-	3.0	620	35	620	2.5 - 5.0	2.5 - 5.0	1.5 - 5.3	1.5 - 5.3	1.6 - 6.2
	PT-MCHW0	Grill	Morning Fog (RAL 9001)	-	6.3	950	35	950	6.8 - 14.6	6.8 - 14.6	6.7	-	7.1 - 15.8
	PT-UQC	Grill	Morning Fog (RAL 9001)	-	3.0	700	22	700	2.5 - 5.0	2.5 - 5.0	-	1.5 - 5.3	1.6 - 6.2
	PT-UMC1	Grill	Morning Fog (RAL 9001)	-	5.6	950	25	950	6.8 - 14.6	6.8 - 14.6	-	6.7	7.1 - 15.8
2 way	PT-USC	Grill	Morning Fog (RAL 9001)	-	4.7	1,100	28	690	-	-	-	-	2.8 - 7.1
	PT-UUC	Grill	Noble White (RAL 9003)	○	4.6	1,100	34	500	-	-	-	-	2.2 - 3.6
1 way	PT-UUC1	Grill	Noble White (RAL 9003)	-	4.4	1,100	34	500	-	-	2.6 - 3.5	2.6 - 3.5	-
	PT-UTC	Grill	Noble White (RAL 9003)	○	5.5	1,420	34	500	-	-	-	-	5.6 - 7.1
	PT-UUD	Panel	Noble White (RAL 9003)	○	4.6	1,100	34	500	-	-	-	-	2.2 - 3.6
	PT-UTD	Panel	Noble White (RAL 9003)	○	5.5	1,420	34	500	-	-	-	-	5.6 - 7.1

* Based on cooling capacity
 ※ ○ : Applied, - : Not applied

CASSETTE COVER

Cover in case of exposed cassette installation



Model Name

PTDCM / PTDCQ

Applied Products

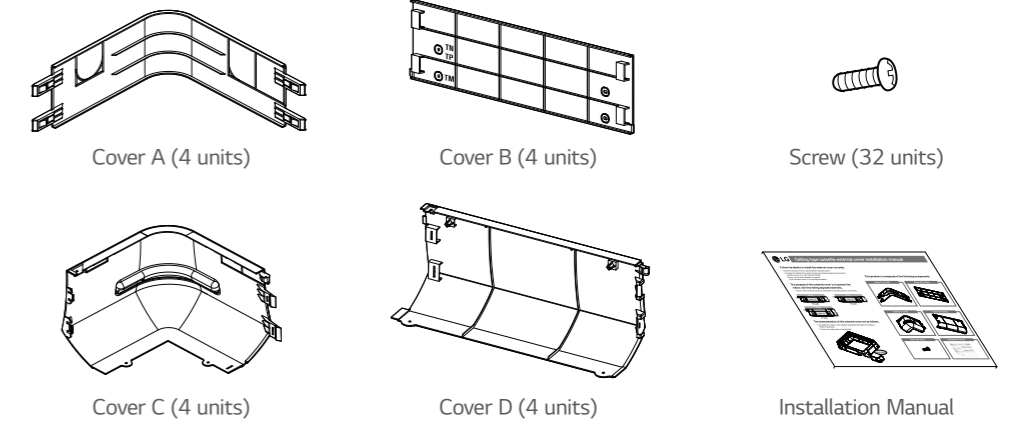
4 Way Cassette (for chassis TP, TN, TM, TQ, TR)

Key Features

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

Included Parts

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

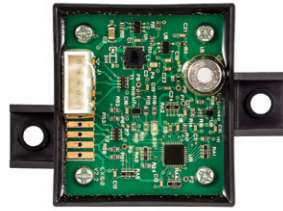


Specification

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

CO₂ SENSOR

CO₂ sensor in ventilation system



Model Name

AHCS100H0

Applied products

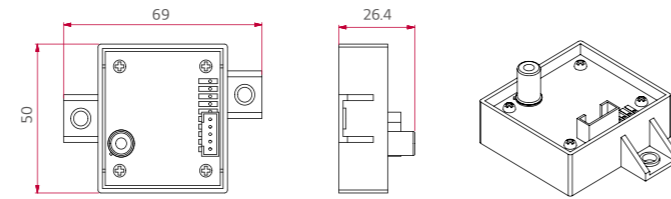
LZ-H025GBA4
LZ-H035GBA5 / LZ-H050GBA5 / LZ-H080GBA5
LZ-H100GBA5 / LZ-H150GBA5 / LZ-H200GBA5

Applicable products

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

Dimensions

(unit : mm)



Key Features

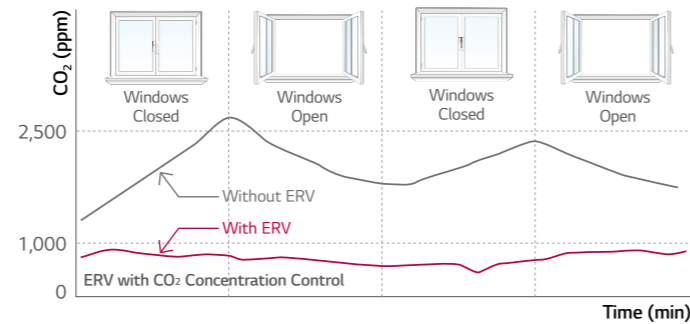
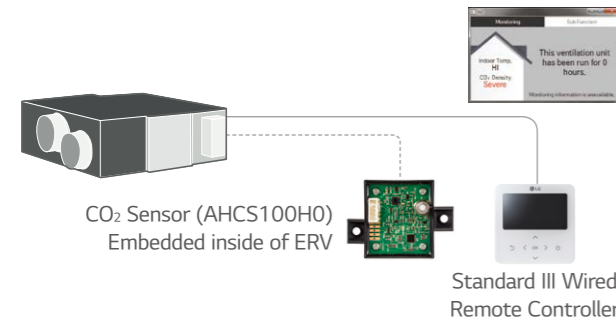
Specification

- 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 CO
- This model requires Standard III Wired Remote Controller for display

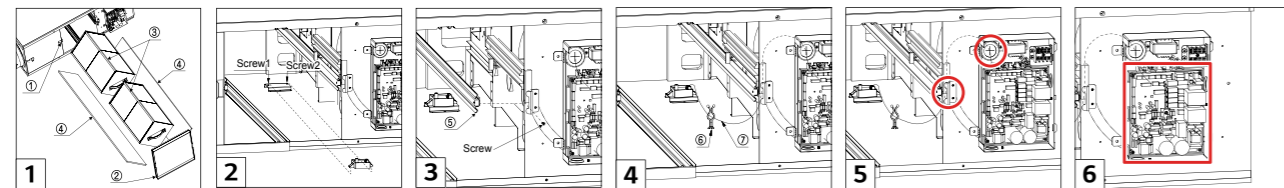
Key Application



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 makes our space safer



Model Name

PRLDNVSO

Applied Products

Multi V 5
Multi V IV Heat Pump & Heat Recovery
Multi V Water IV

Specification

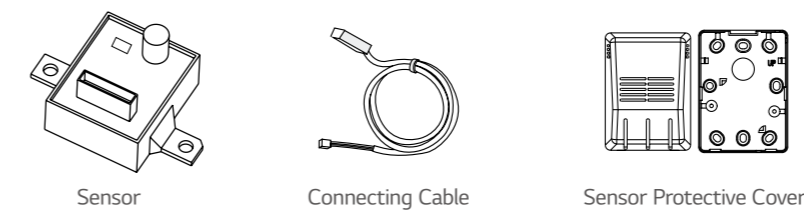
Parts	Specifications	
Sensor	Rated Voltage (V)	DC 5.0 ±5%
	Dimensions (W x H x D, mm)	31 x 44 x 20
	Weight (g)	22
	Detectable Refrigerant	R410A
	Detected concentration (ppm)	0 / 6,000 Alarm Off / On
	Operating temperature range (°C)	-10 ~ 50
	Preserved temperature range (°C)	-40 ~ 60
Connecting Cable	Cable length (m)	10
	Dimensions of Front Plate (W x H x D, mm)	80 x 110 x 44.6
Sensor Protective Cover	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

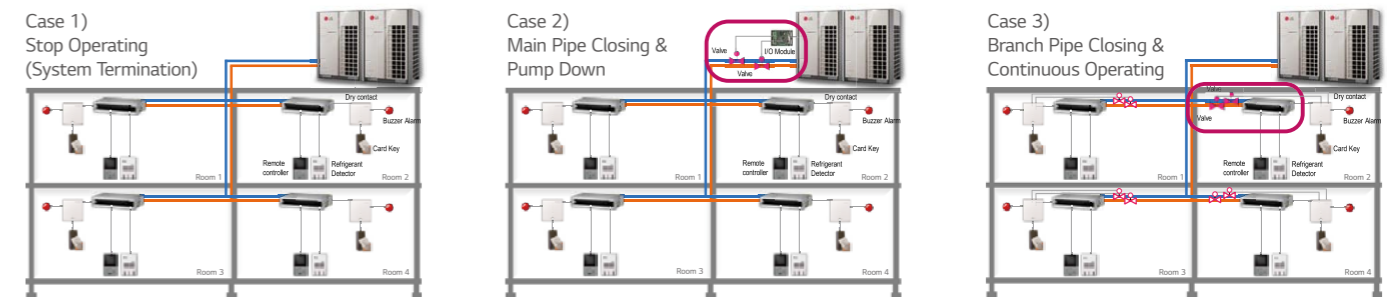
- This detector senses refrigerant leakage when the refrigerant concentration exceeds 6,000ppm. (The green and red LED lights blink simultaneously.)
- Alarm is "ON" over 6,000ppm has been maintained 5 seconds, and Alarm is "OFF" under 6,000ppm has been maintained 5 seconds.
- When the alarm of the refrigerant 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)



EEV KIT

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



Model Name

PRGK024A0

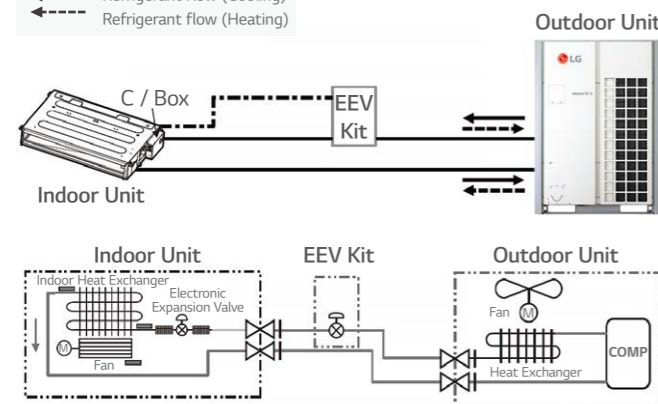
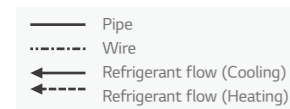
Applied Products

Indoor Unt	Model	Chassis	Applicable	Indoor Unt	Model	Chassis	Applicable	
Cassette	1 Way Cassette	TU	○	Etc	Floor Standing	CE	○	
	2 Way Cassette	TT	N/A		Convertible	VE	○	
	4 Way Cassette	TS	○(-5.6kW)		○	Ceiling Suspended	V1	-
		TR	○		○	Wall Mounted	V2	-
		TQ	○(-4.5kW)		○	SJ	○	
		TP	N/A		○	SK	○	
	Duct	High Sensible	TN		N/A	SV	-	
			TM		-	Art Cool	SF	○
			BG		-	Console	QA	○
		High Static	BR		-	Hydro kit	K2	-
B8			-	K3	-			
Middle Static		M1	○(-5.6kW)	※ ○ : Applied, - : Not applied, N/A : Not Applicable				
		M2	-					
		M3	-					
Low Static		L1	○					
		L2	-					
		L3	-					

Key Features

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

Key Application



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

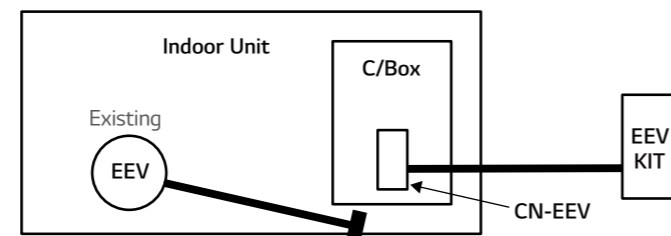


Note : If you don't use EEV of same specification, Cooling (Heating) capacity could be decreased.

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.



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

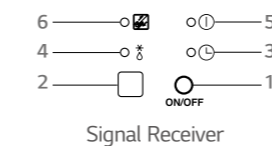
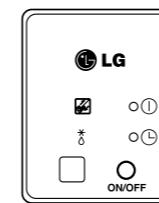
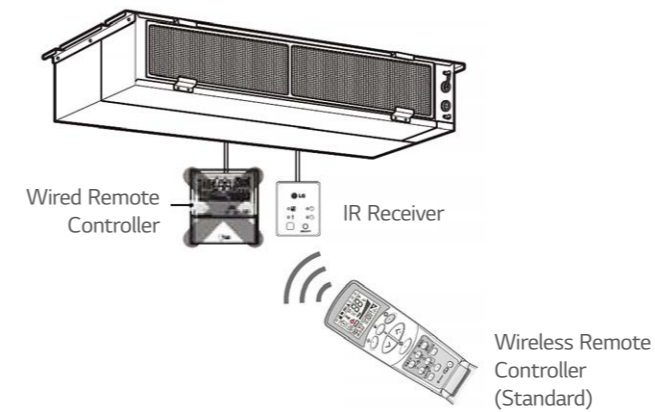
Multi V Indoors (Ceiling Concealed Duct, Floor Standing Units)

Key Features

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

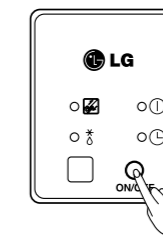
Key Application

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°C and the fan speed is high.

INDEPENDENT POWER MODULE

EEV fully close function in case of 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

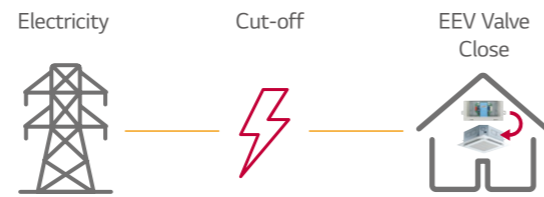
Model	PRIPO		
Item	Independent Power Kit	Screw	Clamp (Tie Wrap)
Q'ty	1	2	4
Figure			

(Others)

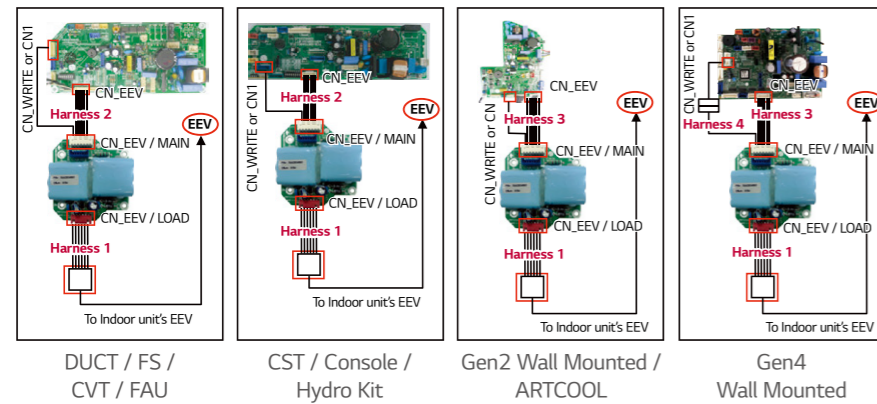
- Harness 1 (1m)
- Harness 2 (1m)
- Harness 3 (1m)
- Installation Manual
- Insulation (PE)

Key Application

If the EEV is opened due to power cut off, liquid refrigerant flow into compressor which could damage the compressor in cooling mode. Also condensing might 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

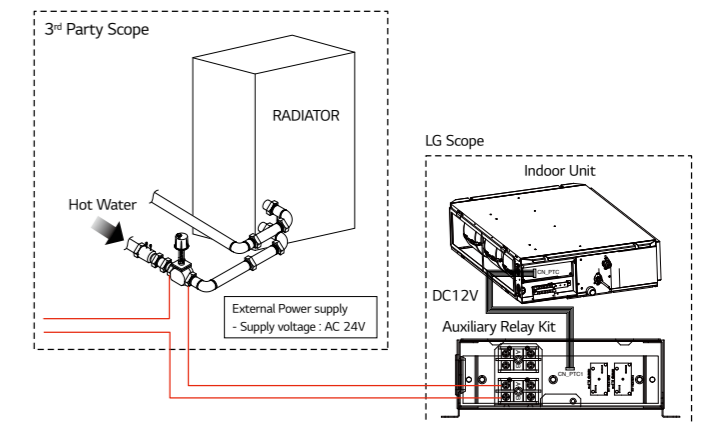
- Provides two stages of auxiliary heat for indoor unit
- Provides ability to use the two stage auxiliary heater as the primary or secondary heating source

Included Parts

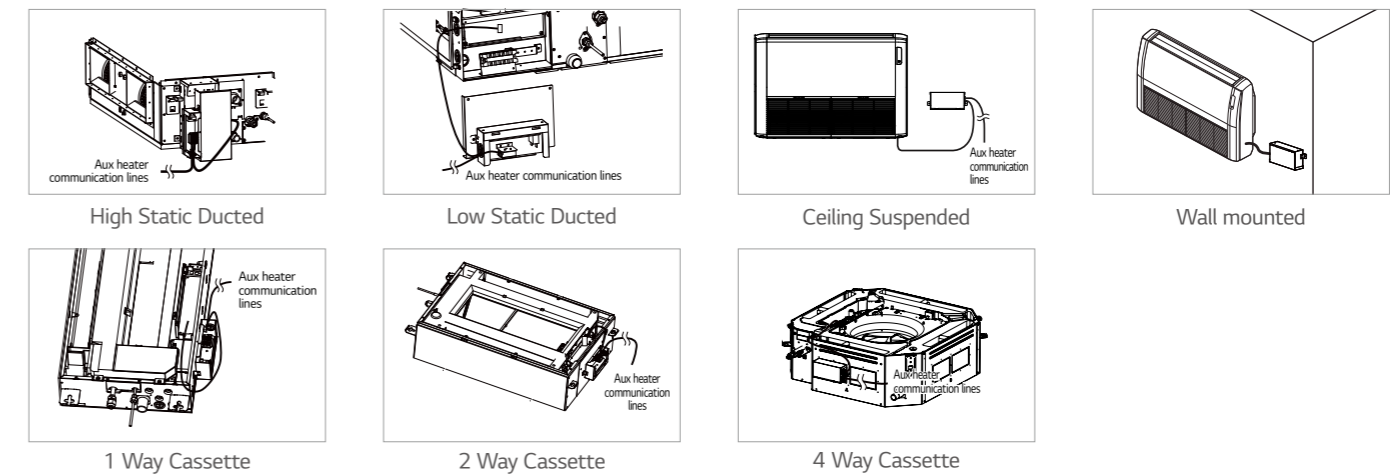
Model	PRARH1			
Item	Auxiliary Heater Relay Kit	Screw	Insulation	Installation Manual
Q'ty	1	2	2	1
Figure				

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

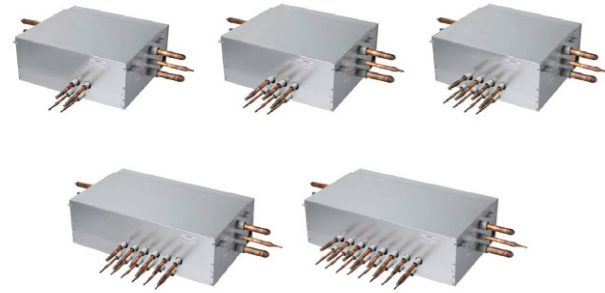
Key Application



How to Install



HEAT RECOVERY UNIT



Model Name

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

Applied Products

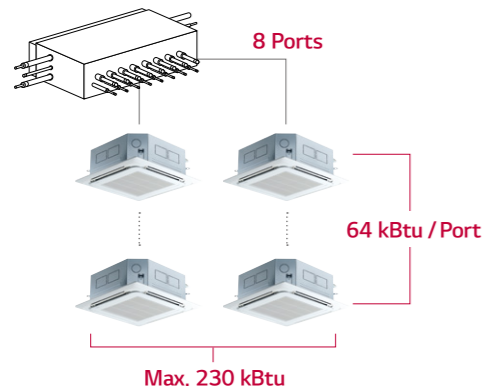
Multi V 5
 Multi V IV
 Multi V Water IV

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)



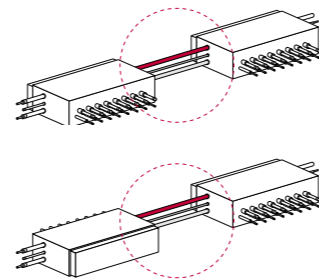
Flexible Connection

Series connection can be installed without pipes crossing.

New

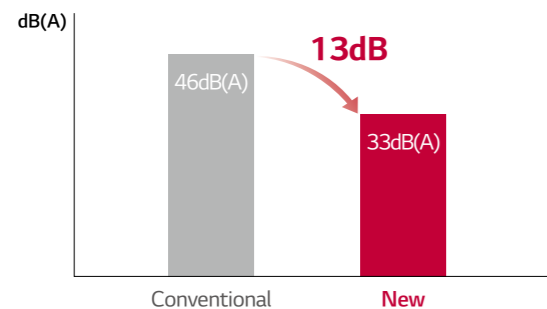


Considering the direction for Indoor units and SVC port, connection for reverse direction makes much easier



Reduce Noise

Heating → Cooling switching operation



Test Condition (ISO Standard)

- Temp. : (Cooling) 27°C DB / 19°C WB, 35°C DB / 24°C WB
 (Heating) 20°C DB / 15°C WB, 7°C DB / 6°C 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	0.076	0.076	
	Heating	kW	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)
		Gas	mm (inch)	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)
		High Pressure	mm (inch)	19.05 (3/4)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
Power supply	∅ / 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	Liquid	High Pressure	Low Pressure
Indoor unit reducer			
PRHR023			
HR unit reducer			

Y BRANCH AND HEADERBRANCH

For refrigerant distribution of indoor units



Model Name

Refer to specifications

Applied Products

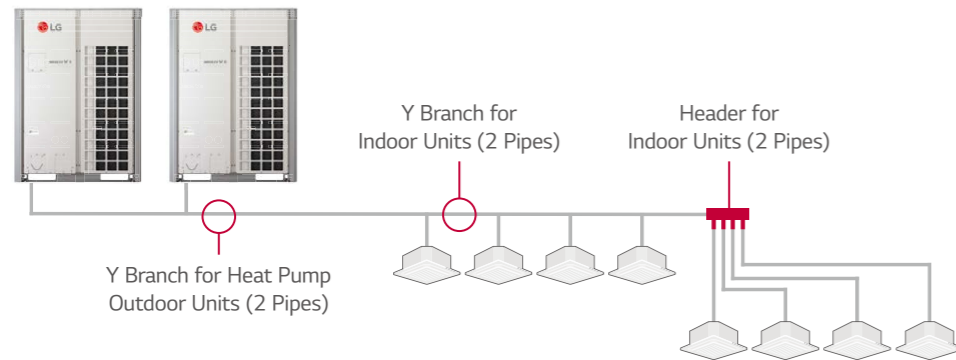
Multi V 5
 Multi V IV
 Multi V III, Multi V Plus II, Multi V Plus
 Multi V S
 Multi V Water IV
 Multi V Water II

Key Features

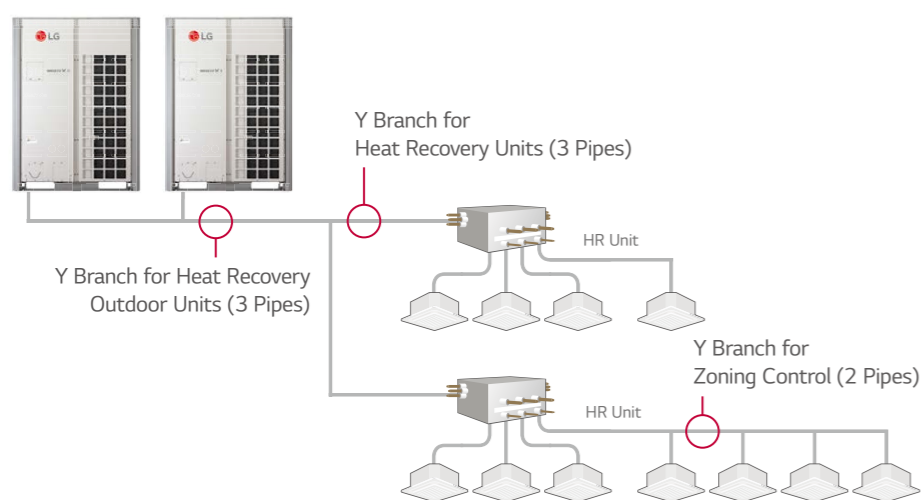
- Various Y Branch pipe of different capacities make Multi V installation much easier
- Y Branch and header branch for both gas and liquid are provided.
- Insulation material is also provided for covering the branches

Key Application

Heat Pump System



Heat Recovery System



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

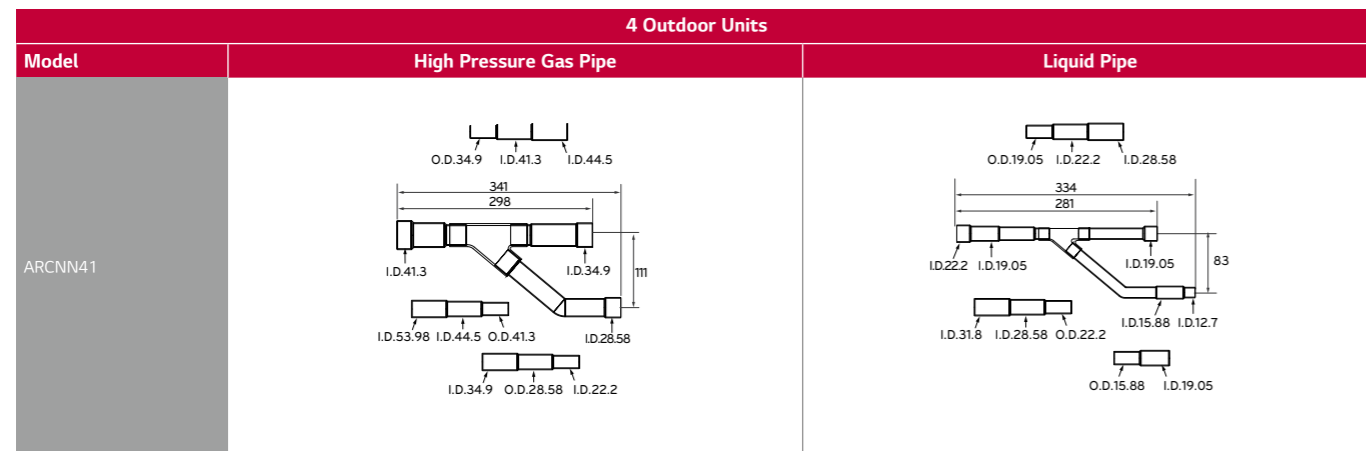
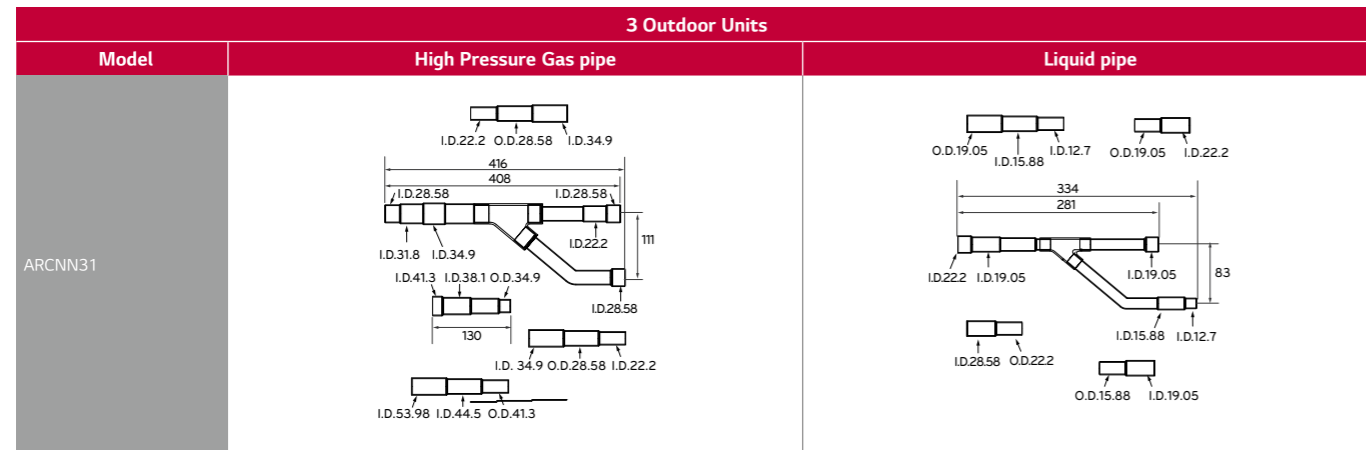
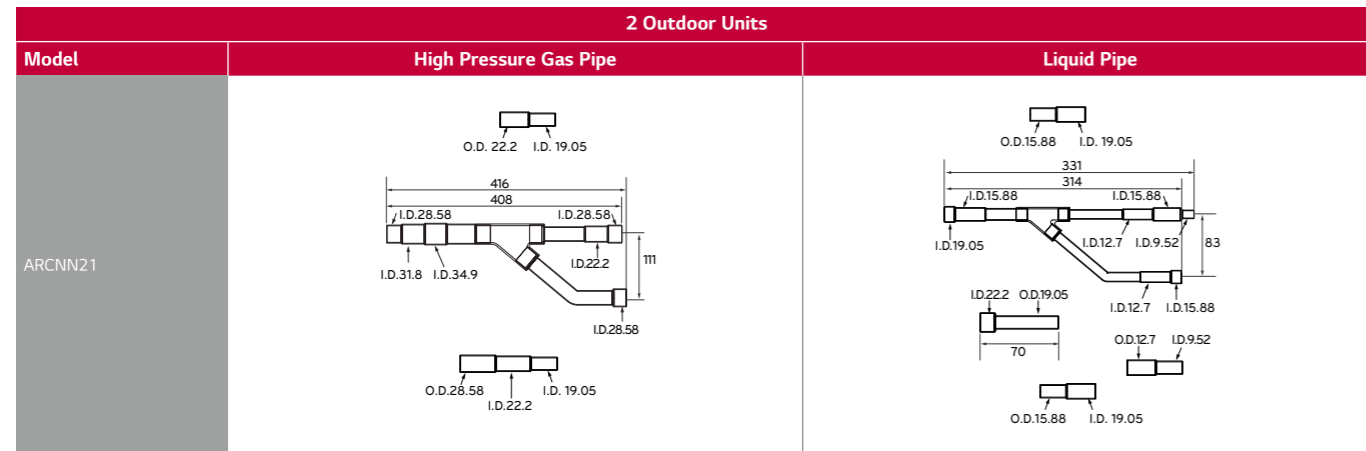
Specification

Heat Pump

R410A

Multi V 5, Multi V IV, Multi V III, Multi V Water IV, Multi V Water II

(Unit : mm)



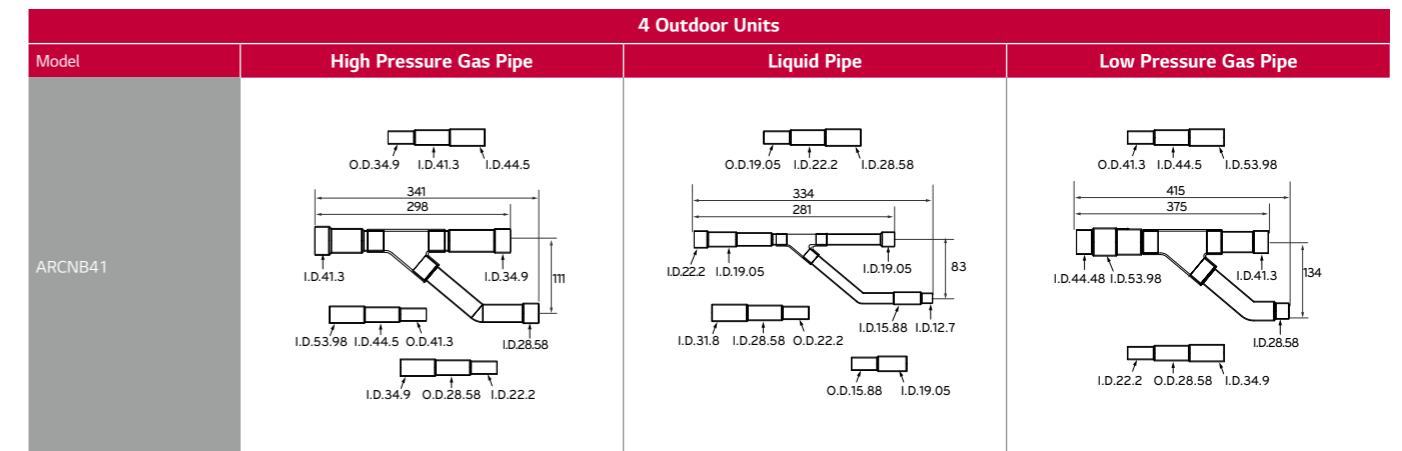
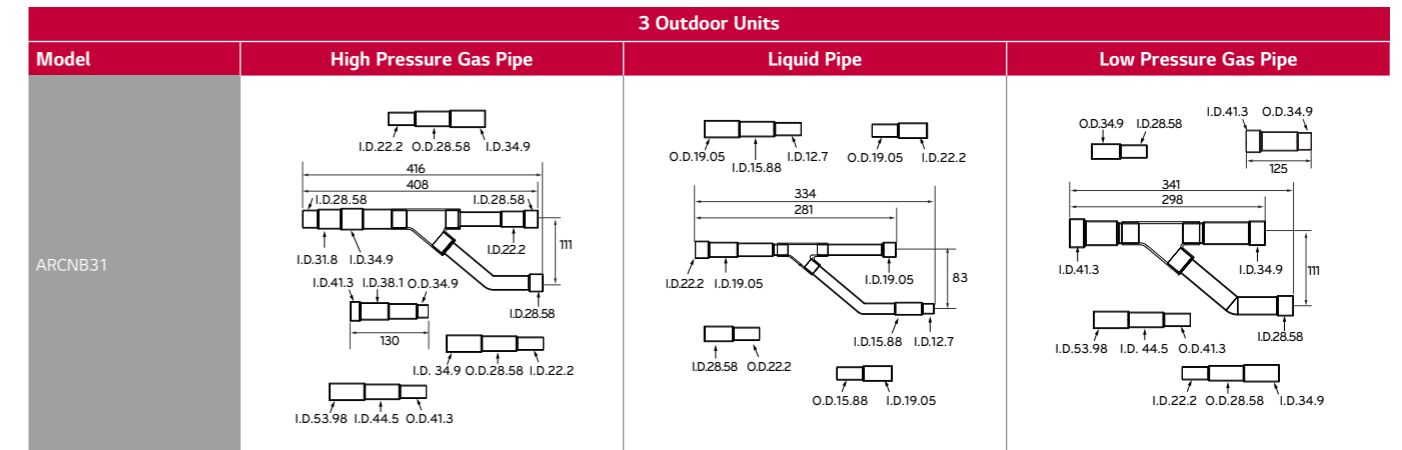
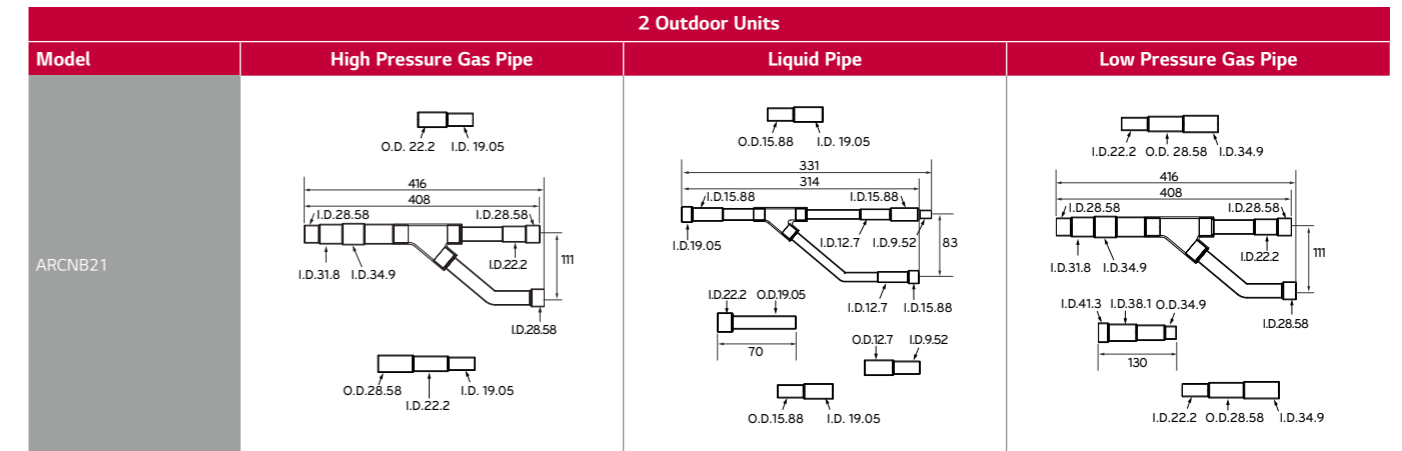
Specification

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)



PIPING ACCESSORIES

Y Branch pipe for connection of outdoor units

Specification

Heat Pump, Heat Recovery Zone Control

R410A Multi V 5, 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

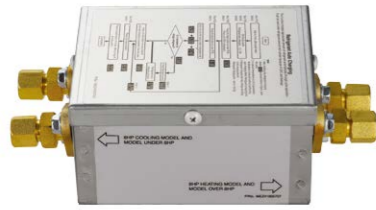
(Unit : mm)

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

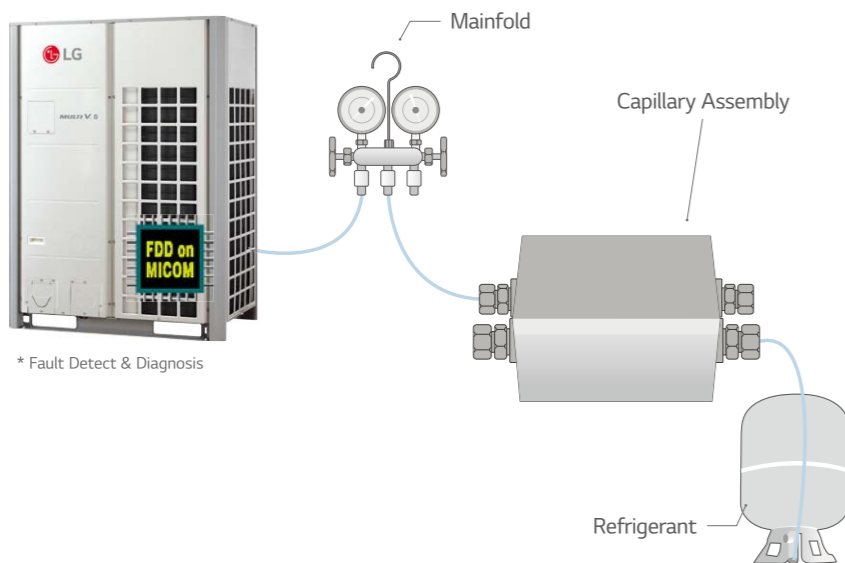
Applied Products

- 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

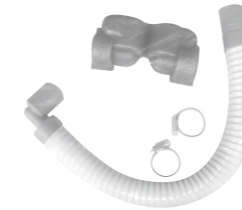
- Arrange manifold, capillary assembly, refrigerant vessel and scale
- Connect manifold to the gas pipe service valve of outdoor unit as shown in the figure
- Connect manifold and capillary tube. Use designated capillary assembly only.
If designated capillary assembly isn't used, the system may get damaged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

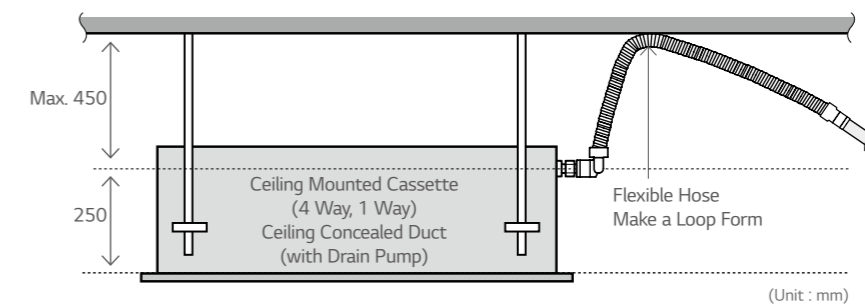
Multi V Indoor units

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)

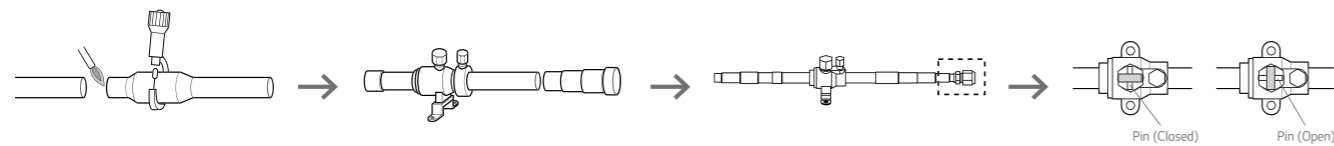
Key Features

- 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

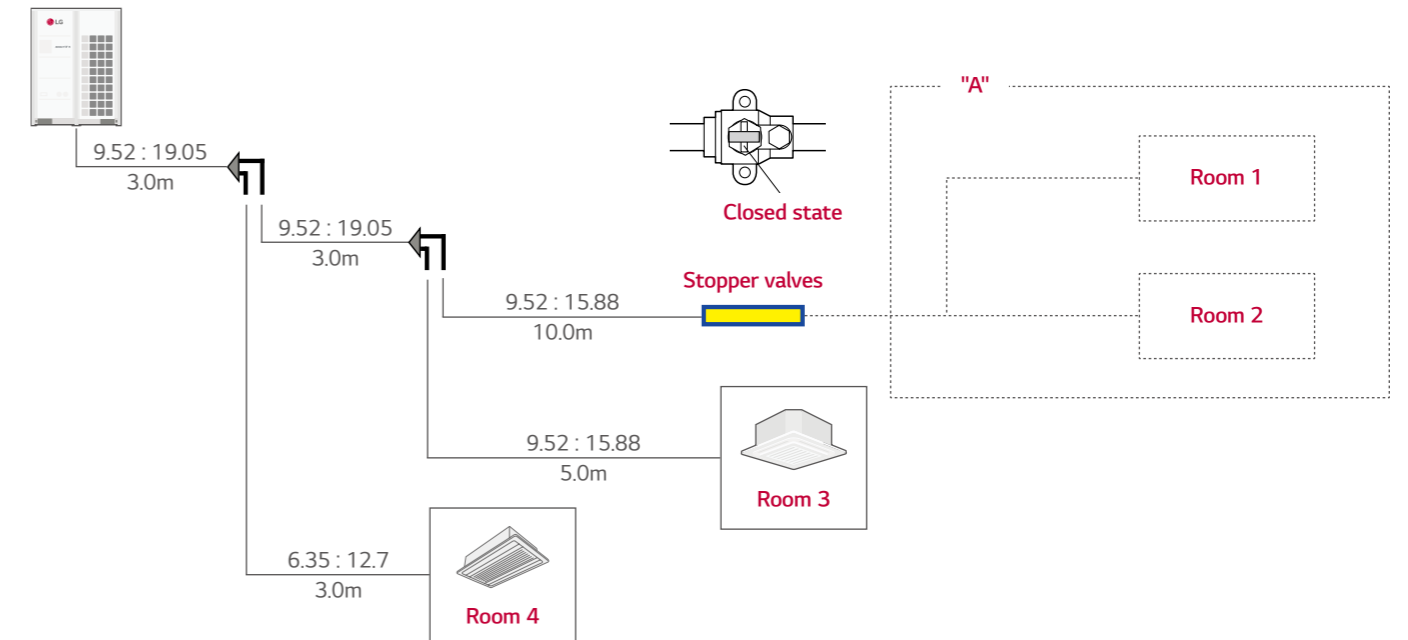


1. Cut the inlet side of the connector, and weld the pipe
2. If installing additional indoor units, the outlet side connector should be cut according to installation pipe.
3. When installing a stopper valve, the flare part should be facing towards additional indoor unit.
4. When installing an additional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

