

# ACCESSORIES

296 ~ 317

MECHANICAL ACCESSORIES

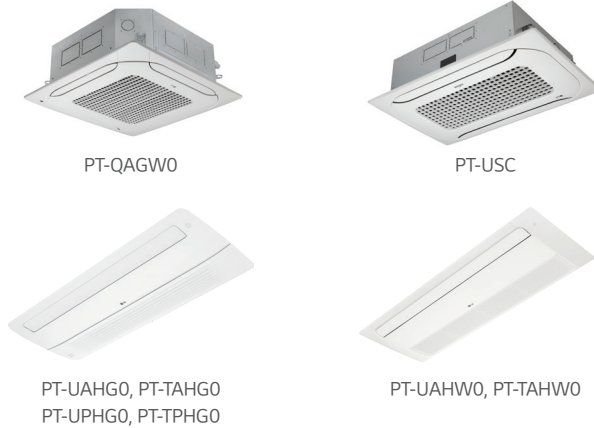
PIPING ACCESSORIES





## Cassette Panel

The Independent Vane Operation makes desired and comfortable air flow.



### Model Name & Applied Products

**4 Way Cassette (Mini, 570x570)**  
PT-QAGW0

**2 Way Cassette**  
PT-USC

**1 Way Cassette (Grill Type)**  
PT-UAHGO / PT-TAHGO (Glossy)  
PT-UAHWO / PT-TAHWO (Non-Glossy)

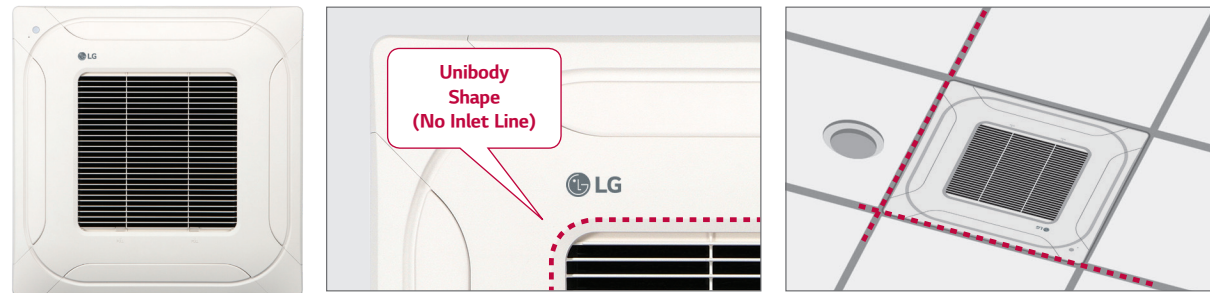
**1 Way Cassette (Air Purification)**  
PT-UPHGO / PT-TPHGO (Glossy)

### 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.

### Compact and Stylish Design

- Mini 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   | R32     | R410A   |
| 4 Way | PT-QAGW0     | Grid        | White (RAL 9003)       | X           | 2.9            | 620   | 35 | 620                          | 2.5-5.0 | 2.5-5.0     | 1.5-5.3 | 1.5-5.3 | 1.6-6.2 | 1.6-6.2 |
| 2 Way | PT-USC       | Grid        | Morning Fog (RAL 9001) | X           | 4.7            | 1,100 | 28 | 690                          |         |             |         |         | 2.8-7.1 | 2.8-7.1 |
| 1 Way | PT-UAHGO     | Grill       | White (RAL 9003)       | O           | 3.9            | 1,160 | 34 | 500                          |         |             | 2.6-3.5 | 2.6-3.5 | 2.2-3.6 | 2.2-3.6 |
|       | PT-TAHGO     | Grill       | White (RAL 9003)       | O           | 4.8            | 1,480 | 34 | 500                          |         |             |         |         | 5.6-7.1 | 5.6-7.1 |
|       | PT-UAHWO     | Grill       | White (RAL 9003)       | X           | 3.3            | 1,100 | 34 | 500                          |         |             | 2.6-3.5 | 2.6-3.5 | 2.2-3.6 | 2.2-3.6 |
|       | PT-TAHWO     | Grill       | White (RAL 9003)       | X           | 4.5            | 1,420 | 34 | 500                          |         |             |         |         | 5.6-7.1 | 5.6-7.1 |
|       | PT-UPHGO     | Grill       | White (RAL 9003)       | O           | 4.1            | 1,160 | 34 | 500                          |         |             | 2.6-3.5 | 2.6-3.5 | 2.2-3.6 | 2.2-3.6 |
|       | PT-TPHGO     | Grill       | White (RAL 9003)       | O           | 4.9            | 1,480 | 34 | 500                          |         |             |         |         | 5.6-7.1 | 5.6-7.1 |

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

## Dual Vane Cassette Panel



**Model Name**  
PT-AAGW0  
PT-AFGW0

### Key Features

| Model    | Function  |          |                          |                                     |                        |
|----------|-----------|----------|--------------------------|-------------------------------------|------------------------|
|          | Dual Vane | Wi-Fi    | Floor Temperature Sensor | Air Purification                    | Human Detection Sensor |
| PT-AAGW0 | O         | Optional | Optional                 | X                                   | Optional               |
| PT-AFGW0 | O         | Optional | Optional                 | Optional (Dust Sensor, Tact Switch) | Optional               |

### Specification

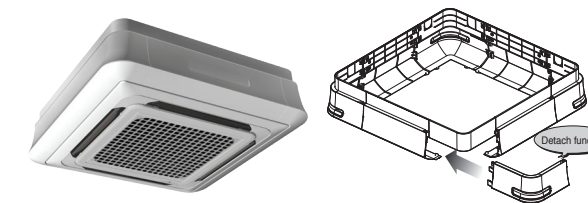
| Model    | Suction Type | Color (RAL)      | Gloss | Weight (kg) | Dimension (mm) |    |     |
|----------|--------------|------------------|-------|-------------|----------------|----|-----|
|          |              |                  |       |             | W              | H  | D   |
| PT-AAGW0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

## Air Purification Kit

| Model                | Type  | Image | Model name | Dielectric Dust collecting filter | Photocatalytic Deodorizing filter | HVPS | Ionizer |
|----------------------|-------|-------|------------|-----------------------------------|-----------------------------------|------|---------|
| Air Purification Kit | 4 Way |       | PTAHMPO    | O                                 | O                                 | O    | O       |
|                      | 1 Way |       | PTAHTPO    | O                                 | O                                 | O    | O       |
|                      | Round |       | PTAHYPO    | O                                 | O                                 | O    | X       |

## Cassette Cover

Cover in case of exposed cassette installation.



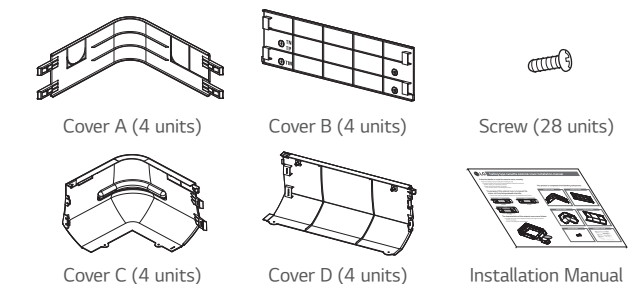
**Model Name**  
PTDCA

### Applied Products

4 Way Cassette (for chassis TP-B, TM-A)

### Included Parts

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



### Key Features

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

### Specification

| Model | Front Panel         |      | Weight (kg) |       | Dimensions (mm) |     |       |
|-------|---------------------|------|-------------|-------|-----------------|-----|-------|
|       |                     |      | NET         | Gross | W               | H   | D     |
| PTDCA | PT-AAGW0 / PT-AFGW0 | TP-B | 6.1         | 9.5   | 1,157           | 266 | 1,157 |
|       |                     | TM-A | 6.1         | 9.5   | 1,157           | 308 | 1,157 |

# CO<sub>2</sub> Sensor

CO<sub>2</sub> sensor in ventilation system.



**Model Name**  
AHCS100H0

**Applied Products**  
LZ-H025GBA4  
LZ-H035GBA5 / LZ-H050GBA5  
LZ-H080GBA5 / LZ-H100GBA5  
LZ-H150GBA5 / LZ-H200GBA5

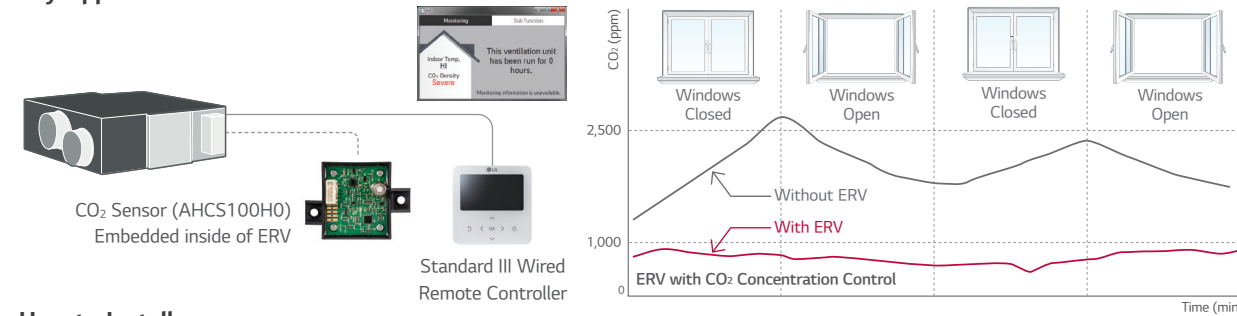
**Applicable Products**  
LZ-H050GXN0 / LZ-H080GXN0  
LZ-H100GXN0 / LZ-H050GXH0  
LZ-H080GXH0 / LZ-H100GXH0

**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 CO<sub>2</sub>)
  - Accuracy : ± 10% (2 days after installation)

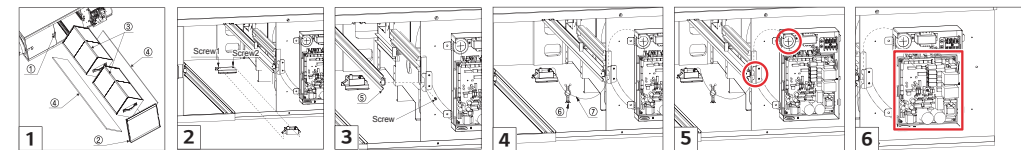
- Description
- The product is especially designed to detect CO<sub>2</sub>.
  - This model requires Standard III Wired Remote Controller for display.

**Key Application**



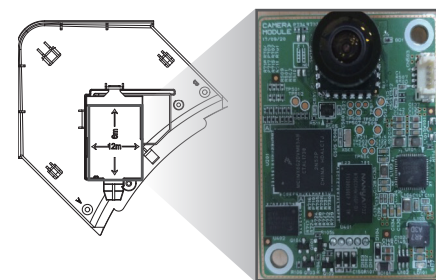
**How to Install**

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 CO<sub>2</sub> sensor cable (7).
  5. Connect the wire terminal to the CN-CO<sub>2</sub> port of PCB.
- ※ Airflow can be controlled by concentration of CO<sub>2</sub>, after setting automatic operation mode at remote controller.  
※ Use the screwdriver whose total length is less than 250mm.



# Human Detection Kit

Human Detection Kit ensures energy saving and controls wind direction.



**Model Name**  
PTVSMAO

**Applied Products**  
PT-AAGW0  
(For Dual Vane Cassette Panel)  
PT-AFGW0  
(For Dual Vane Cassette Panel)

- Key Features**
- Human Detection Control provides two functions. 'Saving Operation' for energy savings and 'Wind Direction Operation' for comfort.
  - Detection Range : ~ height 4.2m
  - Installation Height 2.7m → Detection area 12m x 6m
  - Installation Height 3.2m → Detection area 15m x 8m
  - Installation Height 4.2m → Detection area 18m x 9m

# Refrigerant Leakage Detector

R410A refrigerant leakage detector ensures room safety.



**Model Name**  
PRLDNVSO

**Applied Products**  
Multi V i  
Multi V 5  
Multi V IV Heat Pump & Heat Recovery  
Multi V Water 5

**Key Features**

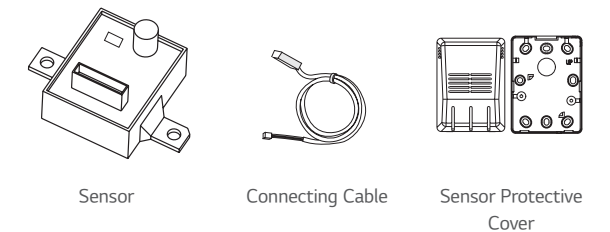
- This detector senses refrigerant leakage when the refrigerant concentration exceeds 6,000ppm. (The green and red LED lights blink simultaneously)
- Alarm is "on" when refrigerant leaks out more than 6,000ppm for 5 seconds. If it is reduced less than 6,000ppm for 5 seconds, alarm is "off".
- When the 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.

**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 (oC)          | -10 ~ 50                 |
|                         | Preserved temperature range (oC)          | -40 ~ 60                 |
| Connecting cable        | Average power consumption (mA)            | 35                       |
|                         | 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           |

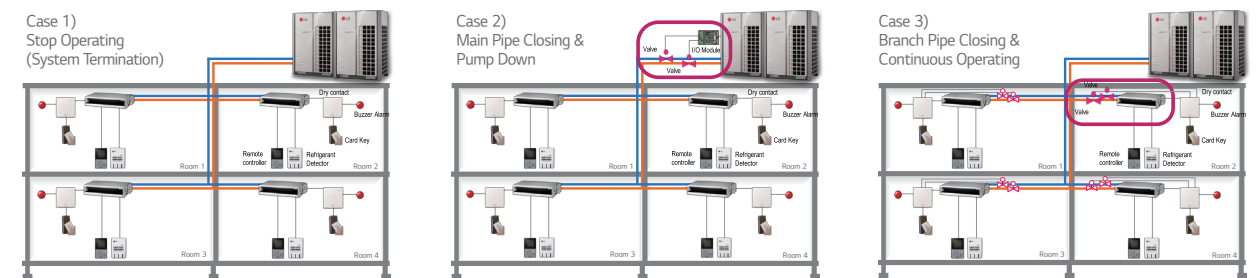
This function available for ARU\*\*\*L\*\*5 and 4 (MULTI V 4, MULTI V 5, MULTI V IV H/P, H/R model)

**Included Parts**



**Key Application**

Refrigerant Leakage Detector has three application methods.



Accessory Specification (To realize the case 2 application)





# EEV KIT (for Indoor Unit)

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

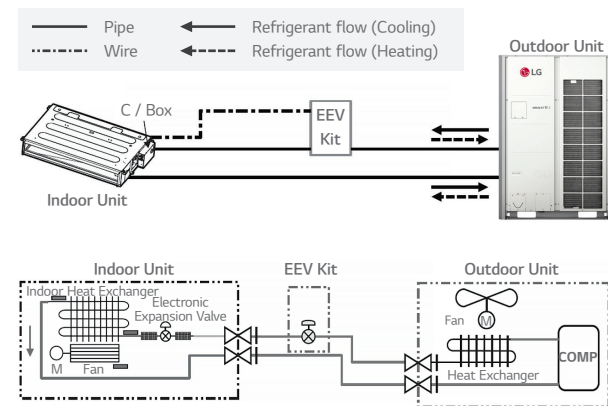


**Model Name**  
PRGK024A0

**Key Features**

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

**Key Application**



**Applied Products**

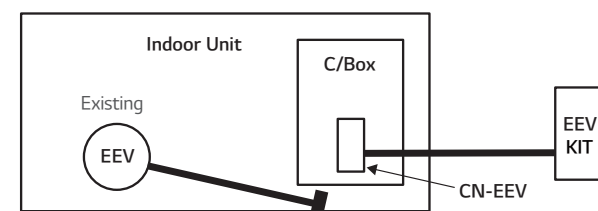
| Indoor Unit | Model             | Chassis | Applicable |
|-------------|-------------------|---------|------------|
| Cassette    | 1 Way Cassette    | TU      | ○          |
|             | 2 Way Cassette    | TT      | N/A        |
|             |                   | TS      | ○ (~5.6kW) |
|    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

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

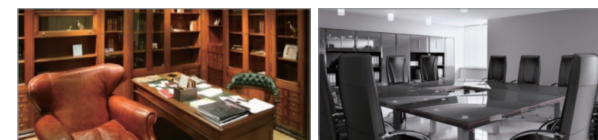
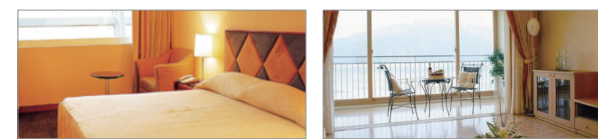
**How to Install**

Open Indoor unit's control box cover.

- ① Open fully indoor unit's EEV through vacuum mode of ODU setting.
- ② Detach the Indoor unit's EEV connector from PCB and then push the reset button of Outdoor unit's PCB.
- ③ 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.
- ④ Finally connect the lead wire of the EEV Kit to the indoor unit's PCB.
- ⑤ Assemble the control box cover.



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**

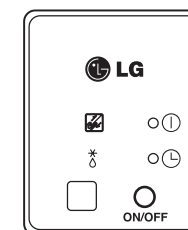
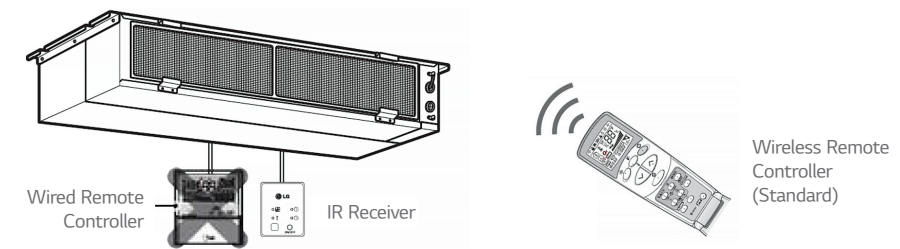
Multi V Indoors (Ceiling Concealed Duct, Floor Standing Units)

**Key Features**

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

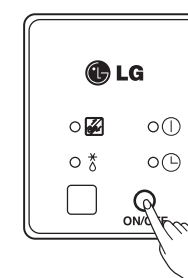
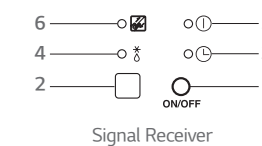
**Key Application**

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



**Operation of Indication Lamps**

- ① Emergency Operation button : Turns the indoor unit on or off when remote controller is not working.
- ② Signal Detector : Receives the signal from remote controller.
- ③ Timer lamp (Green) : Lights up during the timer operation.
- ④ 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.
- ⑤ System On / Off lamp (Red) : Lights up during system controller operation.
- ⑥ 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.



# Multi-tenant Power Module

System operation is stable when indoor unit power is lost.

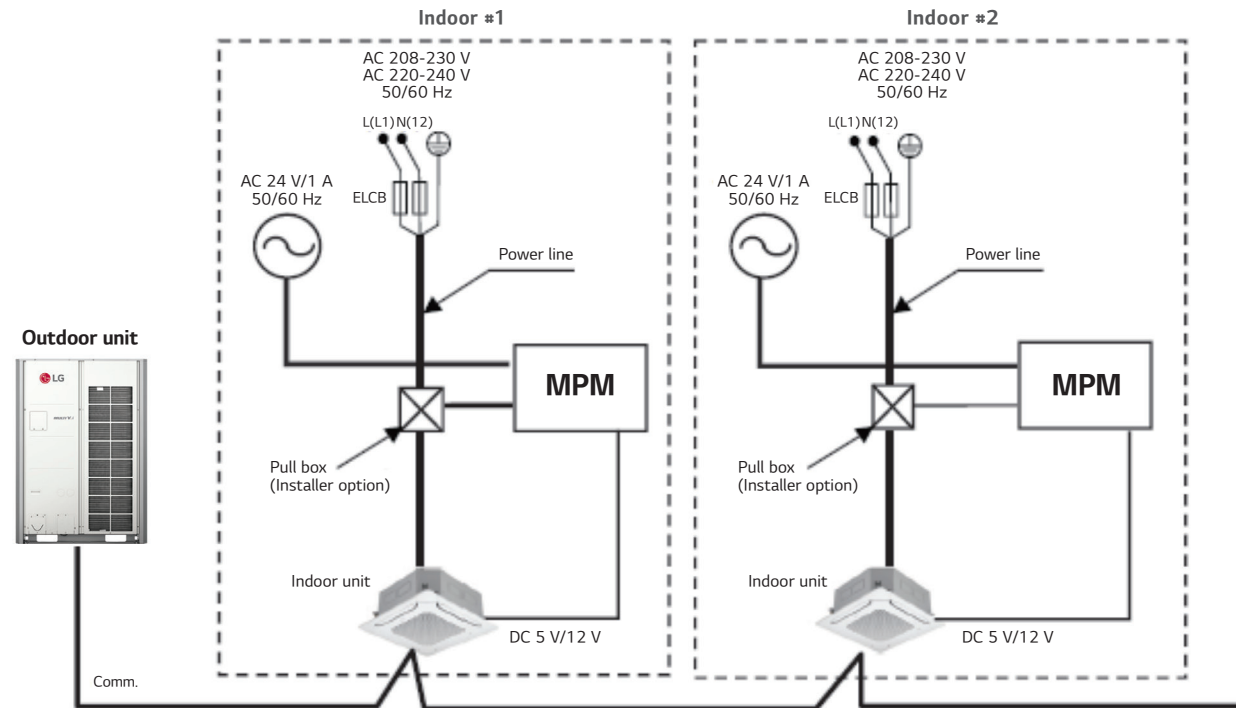


**Model Name**  
PINPMB001

**Applied Products**  
Multi V Indoor Units

- Key Features**
- Multi-tenant site IDUs are powered separately, some of IDU power is gone by each tenant. In this case, system operation is not stable without Multi-tenant Power Module.
  - This module power each EEV for stabilizing system operation.

## Installation Scene



※ When Multi-tenant Power Module is adopted, CN-EXT must used for it. Instead of being used CN-EXT, PDRYCB000 (220Vac input) / PDRYCB100 (24Vac Input) Module are being used for Single contact.

# 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

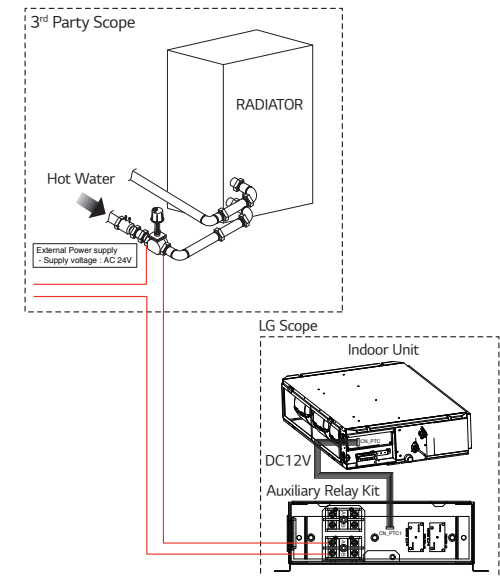
- Key Features**
- Provides two stages of auxiliary heat for indoor unit.
  - Provides ability to use the two stage auxiliary heater as the primary or secondary heating source.

## Included Parts

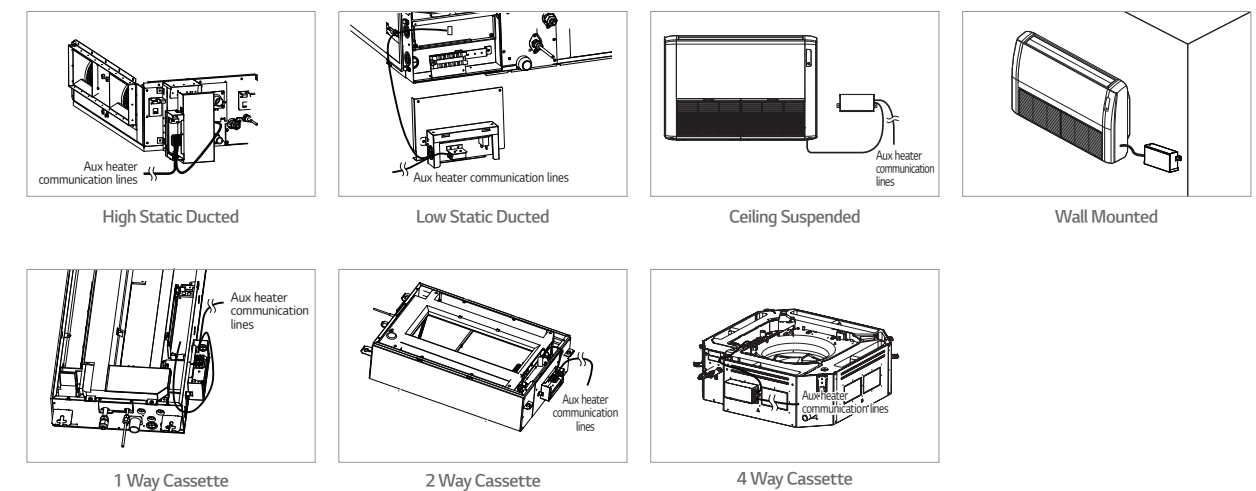
| Model  | PRARH1                     |       |            |                     |
|--------|----------------------------|-------|------------|---------------------|
| Item   | Auxiliary Heater Relay Kit | Screw | Insulation | Installation Manual |
| Q'ty   | 1                          | 2     | 2  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

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

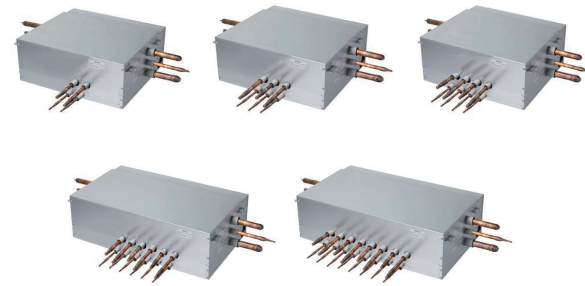
## Key Application



## How to Install



# Heat Recovery



### Model Name

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

### Applied Products

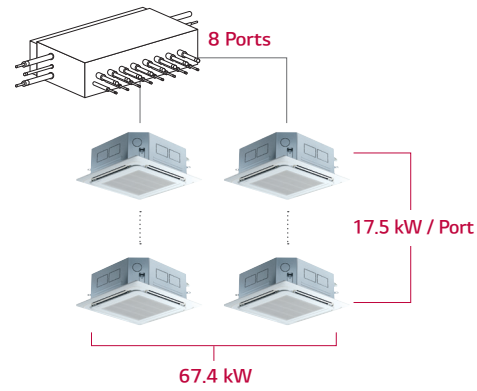
- Multi V i
- Multi V 5
- Multi V IV
- Multi V Water 5

### 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

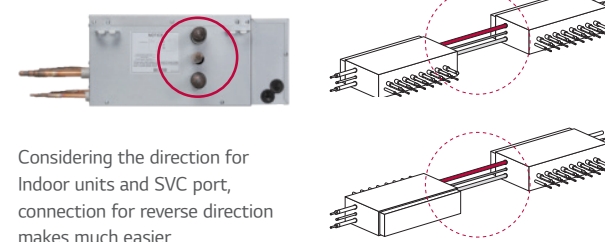
Maximum number of connectable indoor units :  
64 IDUs / HR unit (in case of 8 ports model)



### Flexible Connection

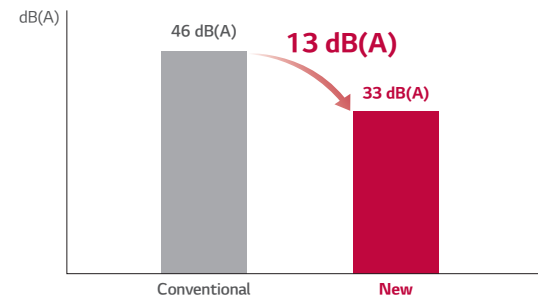
Series connection can be installed without pipes crossing.

New



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

### Reduce Noise



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 / 67.4                  | 17.5 / 67.4                  | 17.5 / 67.4                  |              |              |
| 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   | ∅, V, Hz      | 1, 220-240, 50<br>1, 220, 60 | 1, 220-240, 50<br>1, 220, 60 | 1, 220-240, 50<br>1, 220, 60 | 1, 220-240, 50<br>1, 220, 60 | 1, 220-240, 50<br>1, 220, 60 |              |              |

### Reducers for Indoor Unit and HR Unit

(Unit : mm)

| Model               | Liquid | High Pressure | Low Pressure |
|---------------------|--------|---------------|--------------|
| Indoor unit reducer |        |               |              |
| PRHR023             |        |               |              |
|                     |        |               |              |
| HR unit reducer     |        |               |              |
|                     |        |               |              |



# Y Branch and Header Branch

For refrigerant distribution of indoor units.



### Model Name

Refer to specifications

### Applied Products

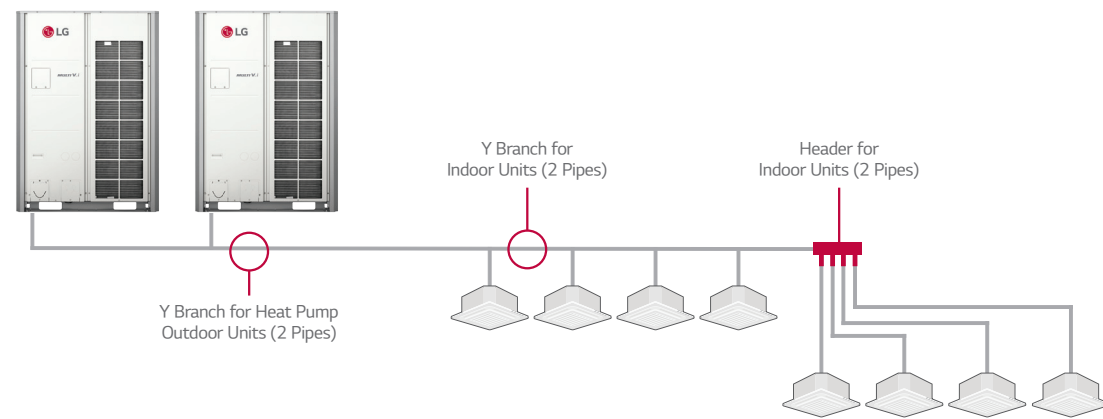
- Multi V i
- Multi V 5
- Multi V IV
- Multi V III, Multi V Plus II, Multi V Plus
- Multi V S
- Multi V Water 5
- Multi V Water IV
- Multi V Water II
- Multi V Water S

### Key Features

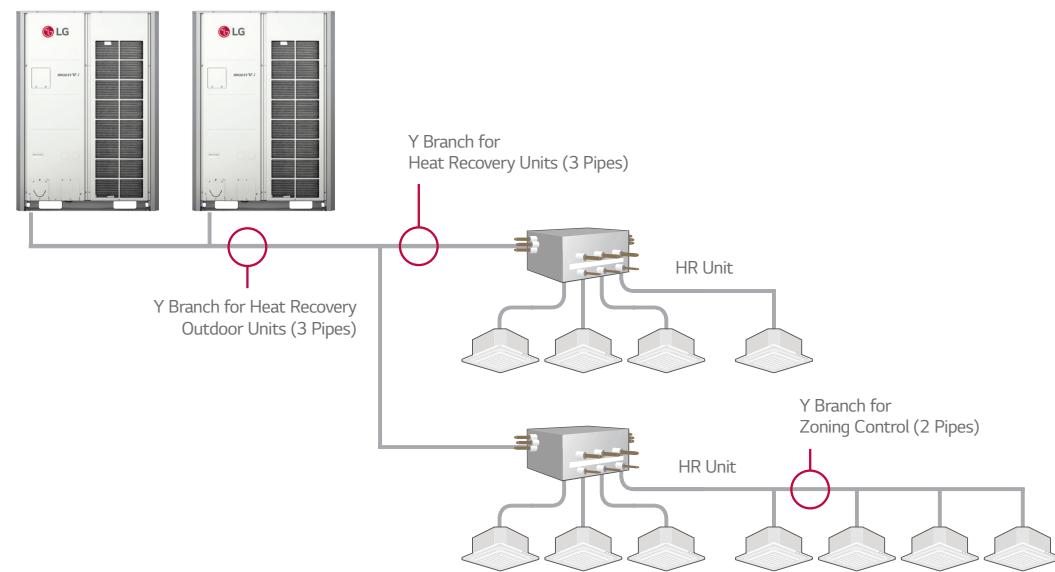
- Various Y Branch pipe of different capacities make MULTI V installation much easier.
- Y Branch and header branch for both gas and liquid are provided.
- Insulation material is also provided for covering the branches.

### Key Application

#### Heat Pump System



#### Heat Recovery System



### Specification

Header Branch  
R410A

(Unit : mm)

| Model                   | Gas Pipe | Liquid Pipe |
|-------------------------|----------|-------------|
| ARBL054<br>(4 Branch)   |          |             |
| ARBL057<br>(7 Branch)   |          |             |
| ARBL104<br>(4 Branch)   |          |             |
| ARBL107<br>(7 Branch)   |          |             |
| ARBL1010<br>(10 Branch) |          |             |
| ARBL2010<br>(10 Branch) |          |             |

# Piping Accessories

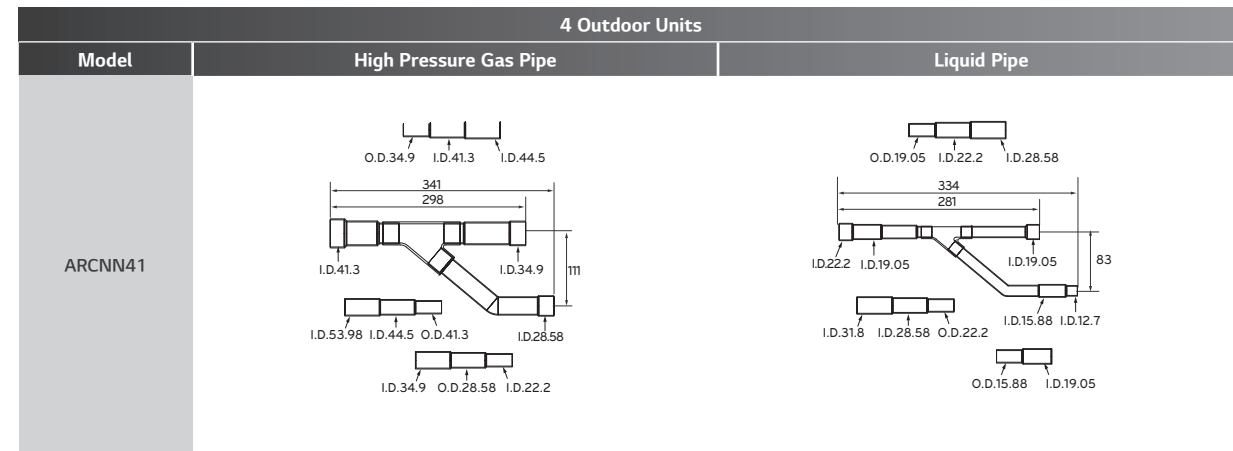
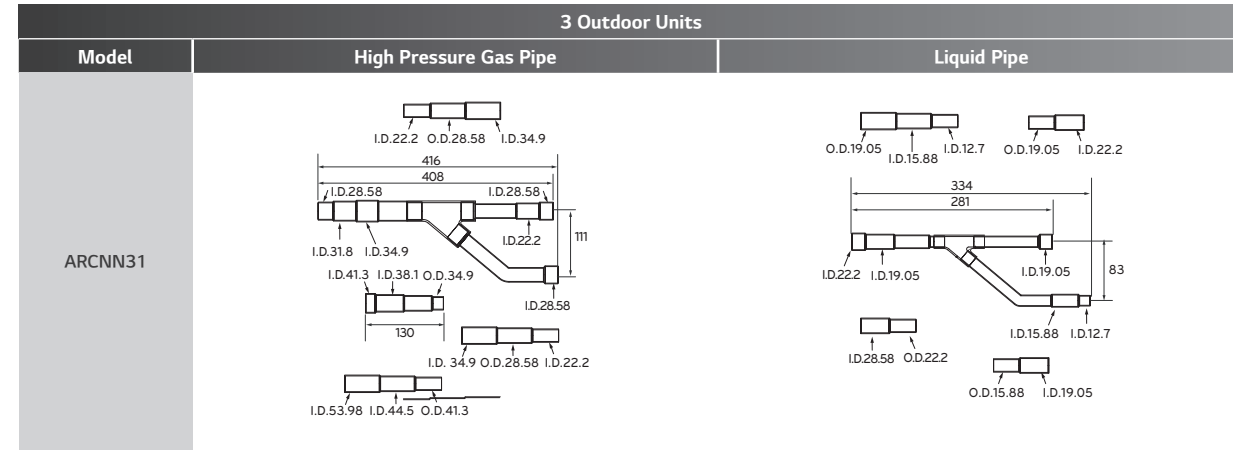
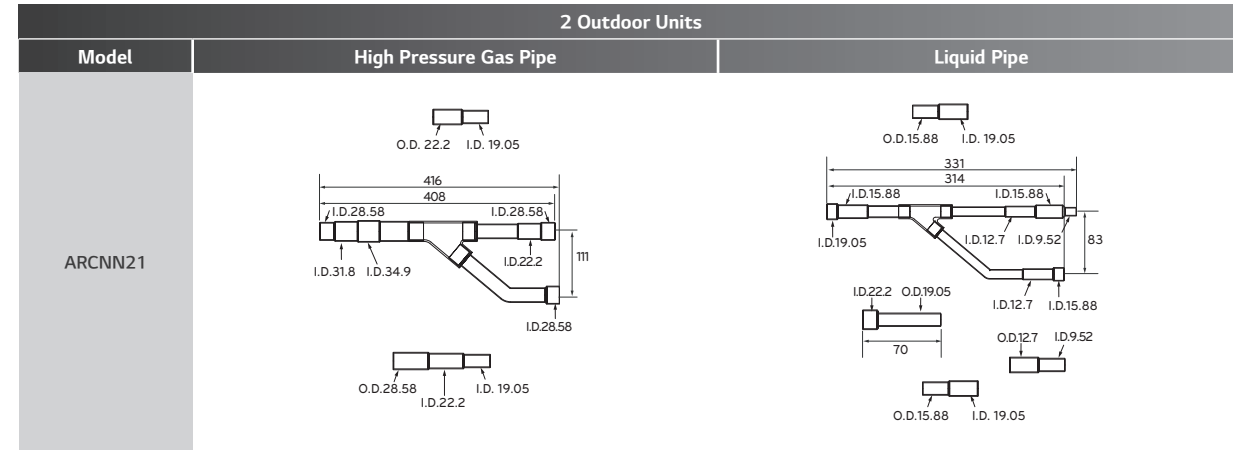
Y Branch pipe for connection of outdoor units.

### Specification

Heat Pump

**R410A** MULTI V  $\dot{i}$ , MULTI V 5, MULTI V IV, MULTI V III, MULTI V WATER 5, MULTI V WATER IV, MULTI V WATER II

(Unit : mm)

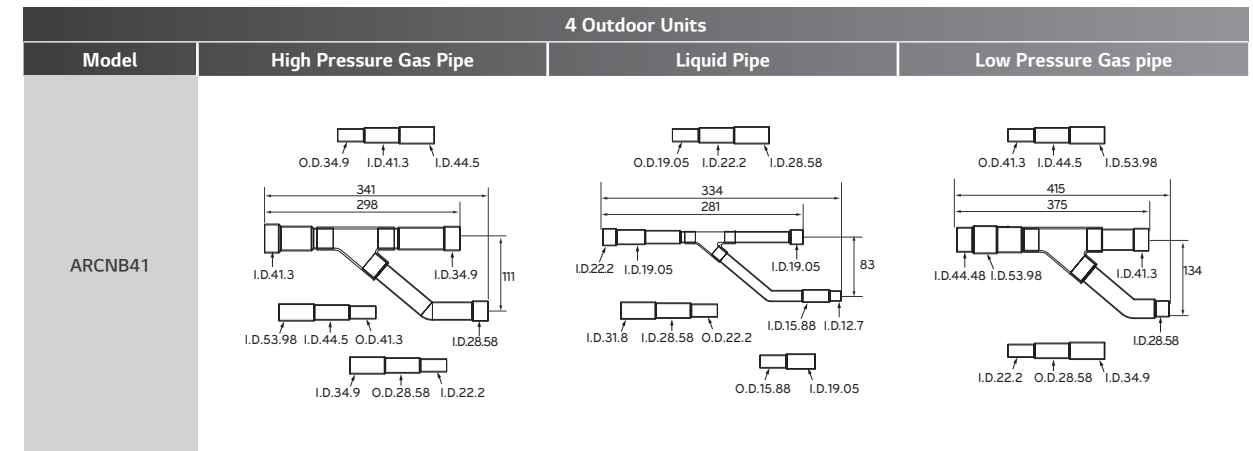
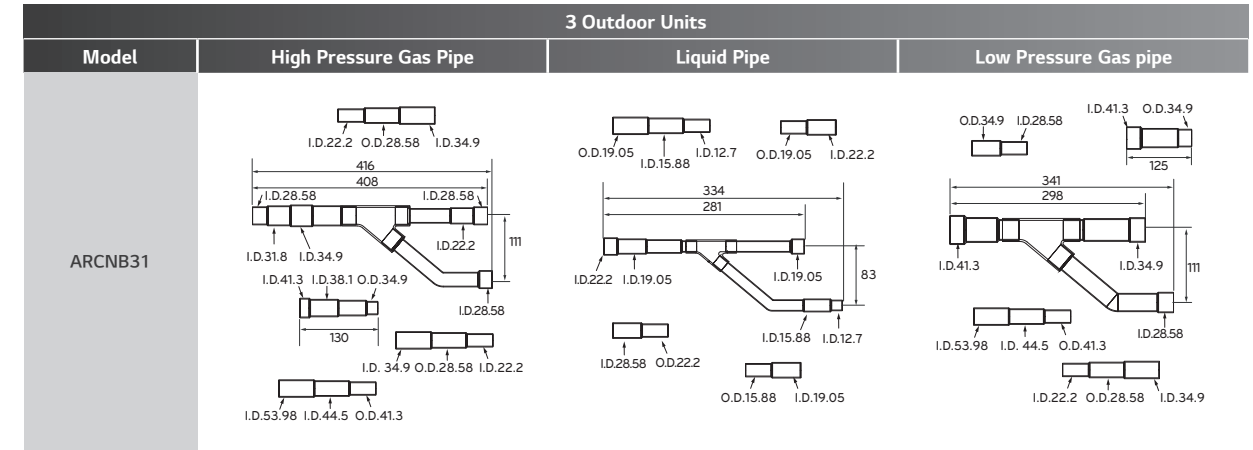
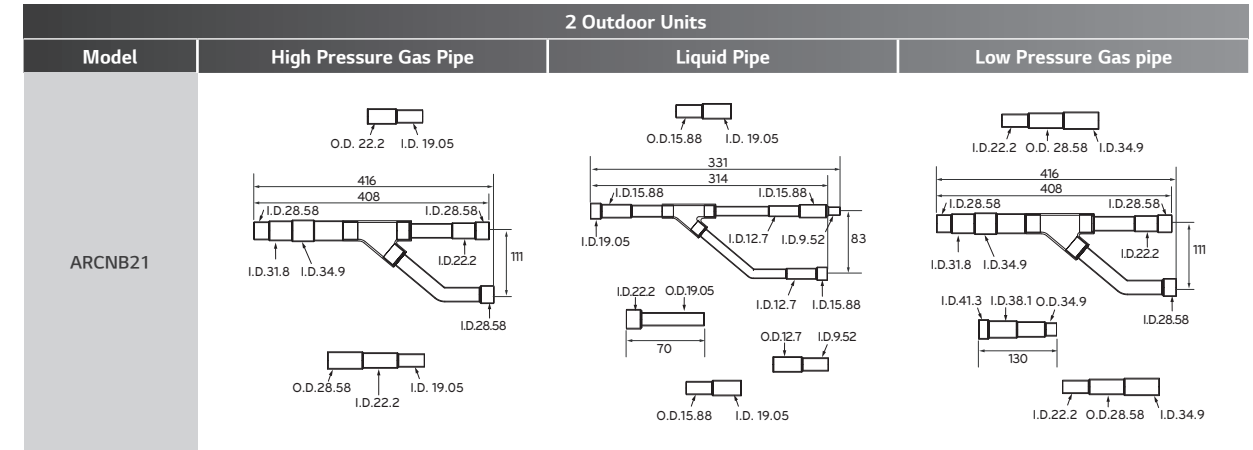


### Specification

Heat Recovery

**R410A** MULTI V  $\dot{i}$ , MULTI V 5, MULTI V IV Heat Recovery, MULTI V III Heat Recovery, MULTI V WATER 5, 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  $\dot{i}$ , 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 S, MULTI V WATER IV, MULTI V WATER II

(Unit : mm)

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

## Specification

Heat Recovery

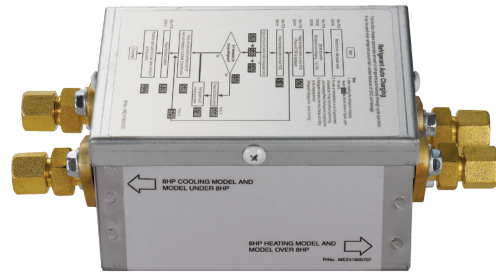
**R410A** MULTI V  $\dot{i}$ , MULTI V S, MULTI V IV Heat Recovery, MULTI V III Heat Recovery, MULTI V WATER S, MULTI V WATER IV Heat Recovery, MULTI V WATER II Heat Recovery

(Unit : mm)

| Model      | High Pressure Gas Pipe | Liquid Pipe | Low Pressure Gas Pipe |
|------------|------------------------|-------------|-----------------------|
| ARBLB01621 |                        |             |                       |
| ARBLB03321 |                        |             |                       |
| ARBLB07121 |                        |             |                       |
| ARBLB14521 |                        |             |                       |
| ARBLB23220 |                        |             |                       |

## Refrigerant Charging Kit

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



**Model Name**  
PRAC1

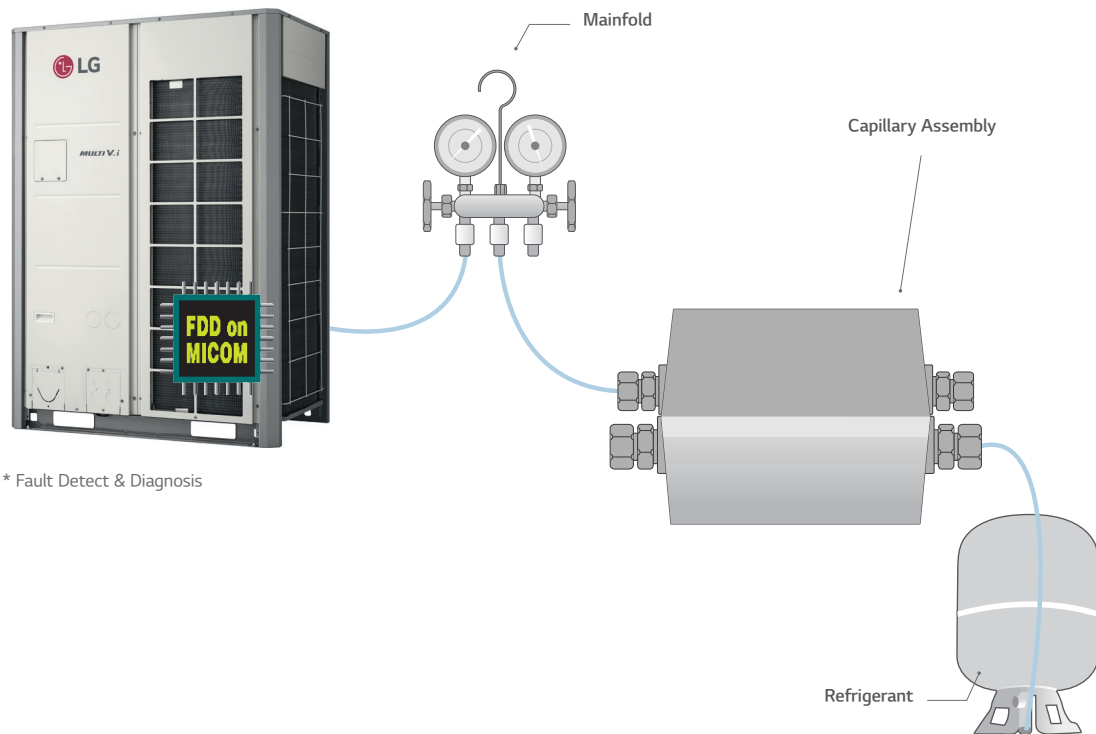
**Applied Products**

- MULTI V i
- 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**

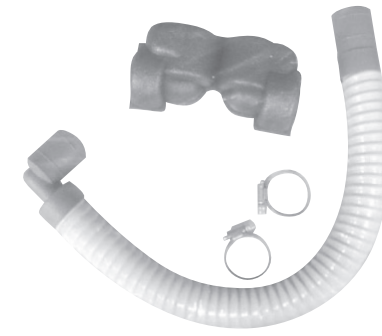
- Arrange manifold, capillary assembly, refrigerant vessel and scale.
- Connect manifold to the gas pipe service valve of outdoor unit as shown in the figure.
- Connect manifold and capillary tube. Use designated capillary assembly only. If designated capillary assembly isn't used, the system may get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

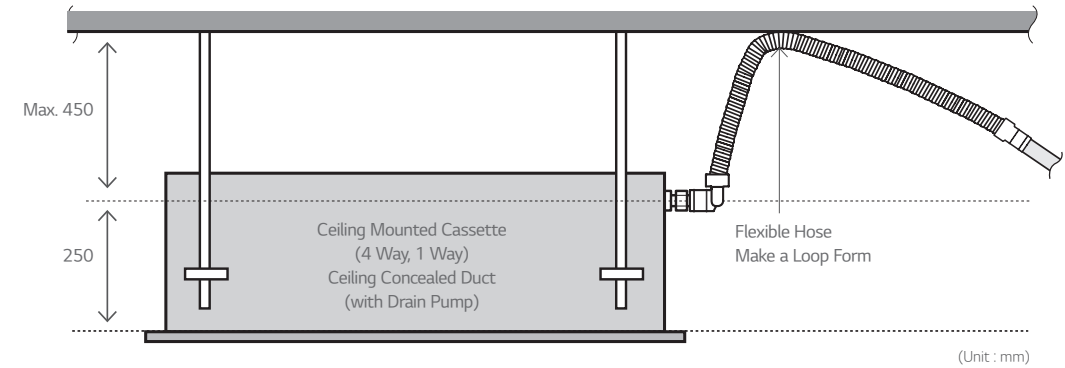
Multi V Indoor units

**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)

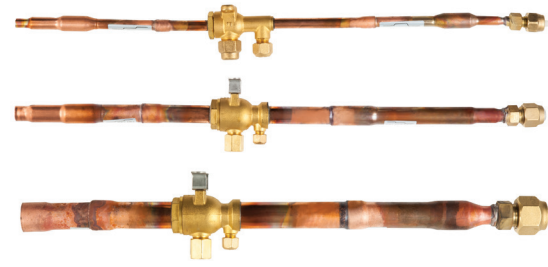


**Specification**

| 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)

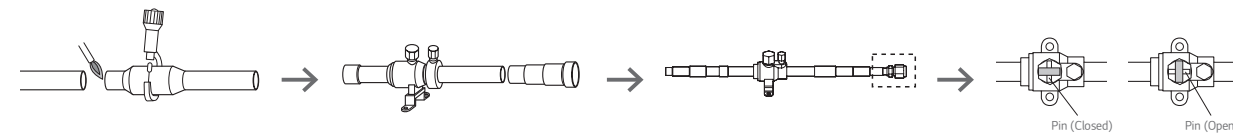
### Key Features

- 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

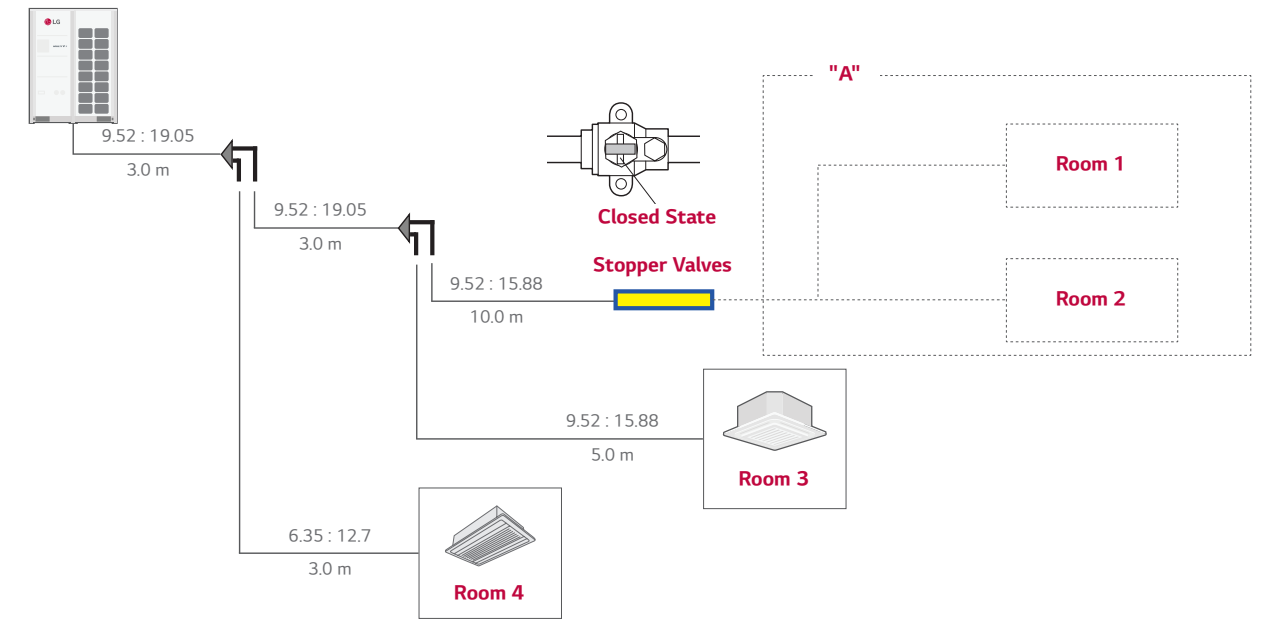


- Cut the inlet side of the connector, and weld the pipe
- If installing additional indoor units, the outlet side connector should be cut according to installation pipe.
- When installing a stopper valve, the flare part should be facing towards additional indoor unit.
- When installing an additional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

