
ACCESSORIES

MECHANICAL ACCESSORIES

PIPING ACCESSORIES



CASSETTE PANEL

The Independent Vane Operation makes desired and comfortable air flow.

Model Name & Applied Products

4 Way Cassette

(Mini) PT-QCHW0
(Standard) PT-MCGW0
(Air purification) PT-MPGW0

1 Way Cassette (1,100 x 34 x 500)

(Standard) PT-UAHW0
(Air purification) PT-UPHG0

* Air Purification Kit

(1 Way) PTAHTPO
(4 Way) PTAHMPO

2 Way Cassette

(Standard) PT-USC

1 Way Cassette (1,420 x 34 x 500)

(Standard) PT-TAHW0
(Air purification) PT-TPHG0

* Human detection Sensor

(4 Way) PTVSAA0



PT-QCHW0



PT-MCGW0



PT-MPGW0



PT-USC



PT-UAHW0



PT-UPHG0



PT-TAHW0



PT-TPHG0

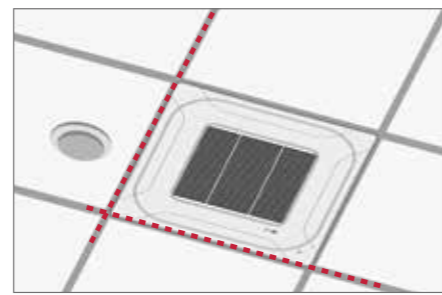
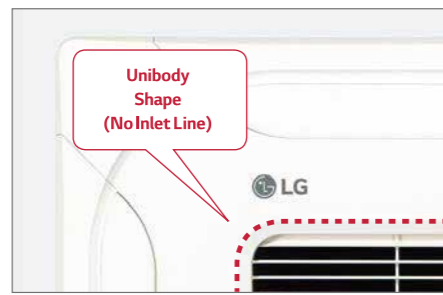
Key Features

- 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.

* Air Purification panel can be used with air Purification kit together for 1 Way, 4 Way panel.
* Human detecting sensor can be used with human detecting sensor for 4 Way panel.

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 | |
| 4 Way | PT-QCHW0 | 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 | 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 | 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-UQC | 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 | Morning Fog (RAL 9001) | - | 4.7 | 1,100 | 28 | 690 | - | - | - | - | 2.8 - 7.1 |
| | PT-UUC | Morning White (RAL 9003) | ○ | 4.6 | 1,100 | 34 | 500 | - | - | - | - | 2.2 - 3.6 |
| 1 Way | PT-UUC1 | Morning White (RAL 9003) | - | 4.4 | 1,100 | 34 | 500 | - | - | 2.6 - 3.5 | 2.6 - 3.5 | - |
| | PT-UTC | Morning White (RAL 9003) | ○ | 5.5 | 1,420 | 34 | 500 | - | - | - | - | 5.6 - 7.1 |
| | PT-UUD | Morning White (RAL 9003) | ○ | 4.6 | 1,100 | 34 | 500 | - | - | - | - | 2.2 - 3.6 |
| | PT-UTD | Morning White (RAL 9003) | ○ | 5.5 | 1,420 | 34 | 500 | - | - | - | - | 5.6 - 7.1 |

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

DUAL VANE CASSETTE PANEL



Model Name

PT-AAGW0
PT-AEGW0
PT-AFGW0

Available from 'Oct 2020

Key Features

| Model | Function | | | | | |
|----------|-----------|----------|--------------------------|------------------|------------------|------------------------|
| | Dual Vane | Wi-Fi | Floor Temperature Sensor | Air Purification | Elevating Grille | Human detection 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 | PM1.0 filter | Deodorization filter | HVPS | HVPS |
|----------------------|-------|------------|--------------|----------------------|------|------|
| | | | | | | |
| Air purification kit | | PTAHMPO | ○ | ○ | ○ | ○ |

CASSETTE COVER

Cover in case of exposed cassette installation.



Model Name

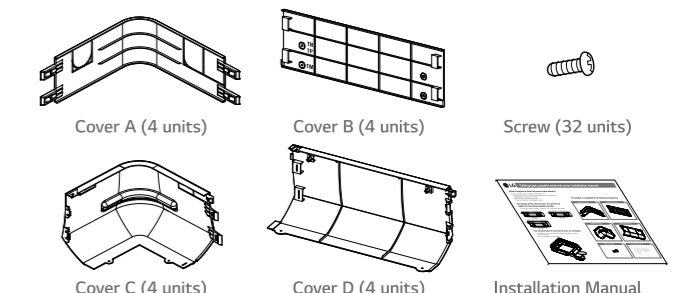
PTDCM / PTDCQ

Applied Products

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

Included Parts

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



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-UJC / PT-UJC1 | 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

Key Features

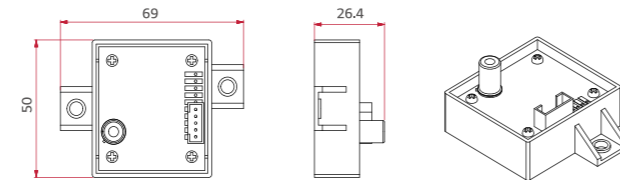
Specification

- 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)

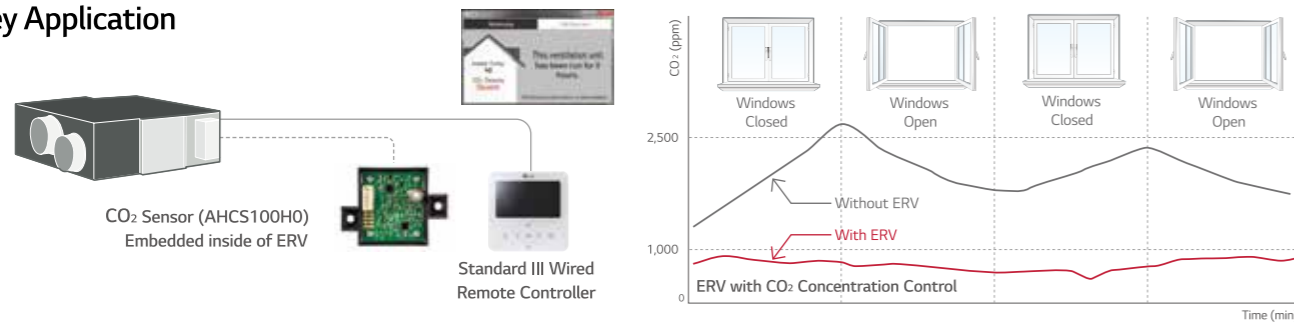
Description

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

Dimensions (Unit : mm)



Key Application

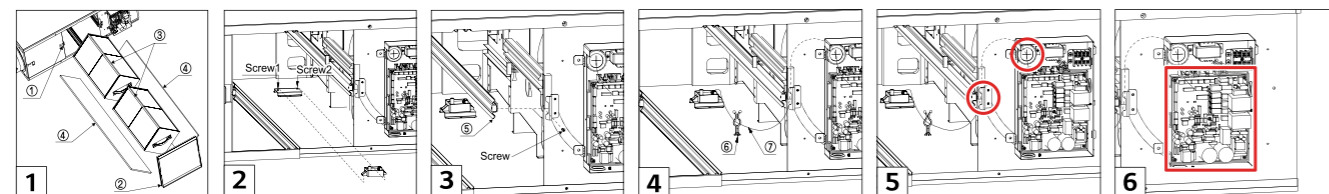


How to Install

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
PRLDNVSO

Applied Products

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

Specification

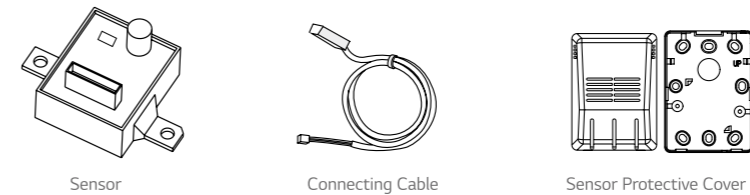
| Parts | Specification | |
|--------------------------------|---|--------------------------|
| Sensor | Rated Voltage (V) | DC 5.0 ± 5% |
| | Dimensions (W x H x D, mm) | 31 x 44 x 20 |
| | Weight (g) | 22 |
| | Detectable Refrigerant | R410A |
| | Detected Concentration (ppm) | 0 / 6,000 Alarm Off / 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 Back Plate (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

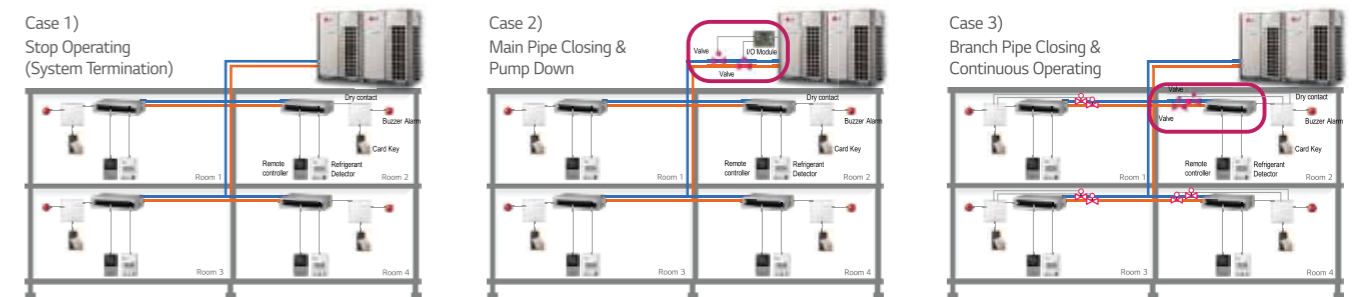
- This detector senses refrigerant leakage when the refrigerant concentration exceeds 6,000ppm. (The green and red LED lights blink simultaneously.)
- Alarm is "on" when refrigerant leaks out more than 6,000ppm for 5 seconds. If it is reduced less than 6,000ppm for 5 seconds, alarm is "off".
- When the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

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

EEV KIT (FOR INDOOR UNIT)

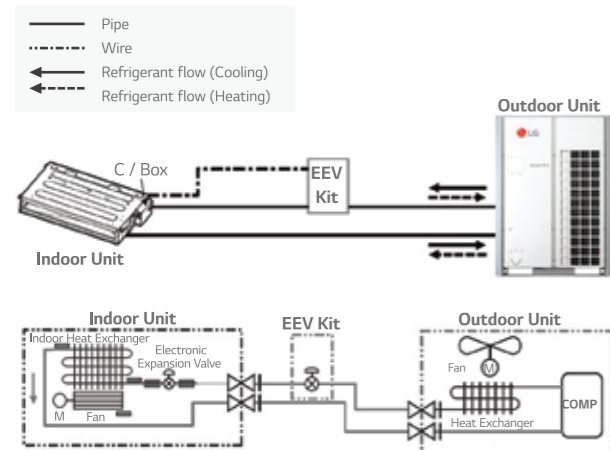
MULTI V EEV KIT is specially designed to reduce noise and make comfort environment.



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

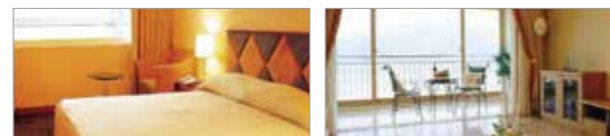
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Applied Products

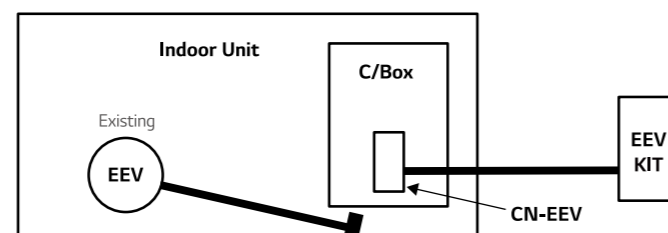
| Indoor Unit | Model | Chassis | Applicable |
|----------------|-------------------|--------------|------------|
| Cassette | 1 Way Cassette | TU | ○ |
| | 2 Way Cassette | TT | N/A |
| | | TS | ○ (-5.6kW) |
| | 4 Way Cassette | TR | ○ |
| | | TQ | ○ (-4.5kW) |
| | | TP | N/A |
| | | TN | N/A |
| Duct | High Sensible | TM | - |
| | | BG | - |
| | | BR | - |
| | High Static | BB | - |
| | | B8 | - |
| | Middle Static | M1 | ○ (-5.6kW) |
| | | M2 | - |
| | | M3 | - |
| | Low Static | L1 | ○ |
| | | L2 | - |
| L3 | | - | |
| Floor Standing | CE | ○ | |
| | CF | - | |
| | Convertible | VE | ○ |
| | | V1 | - |
| | Ceiling Suspended | V2 | - |
| | | SJ | ○ |
| | Etc | 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

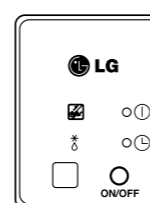
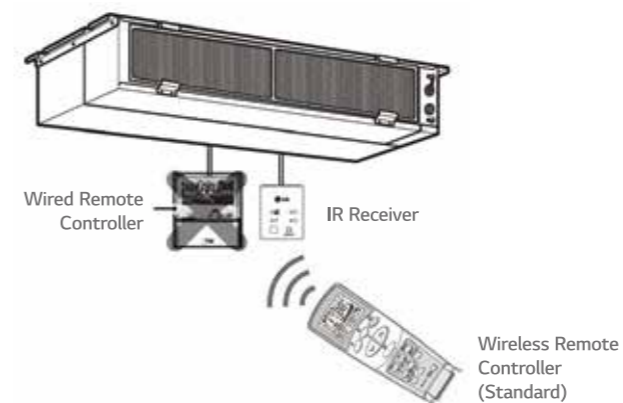
MULTI V Indoors (Ceiling Concealed Duct, Floor Standing Units)

Key Features

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

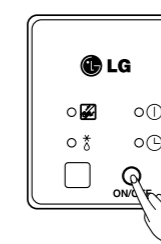
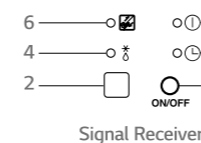
Key Application

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°C and the fan speed is high.

INDEPENDENT POWER MODULE

It closes EEV in indoor unit when power cut.



Model Name
PRIPO

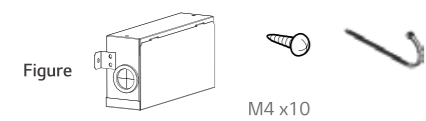
Applied Products
MULTI V Indoor Units

Key Features

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

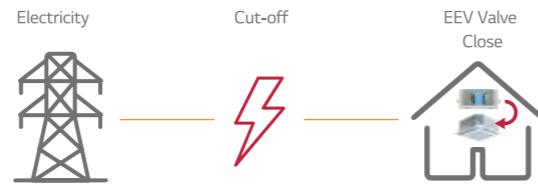
Included Parts

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

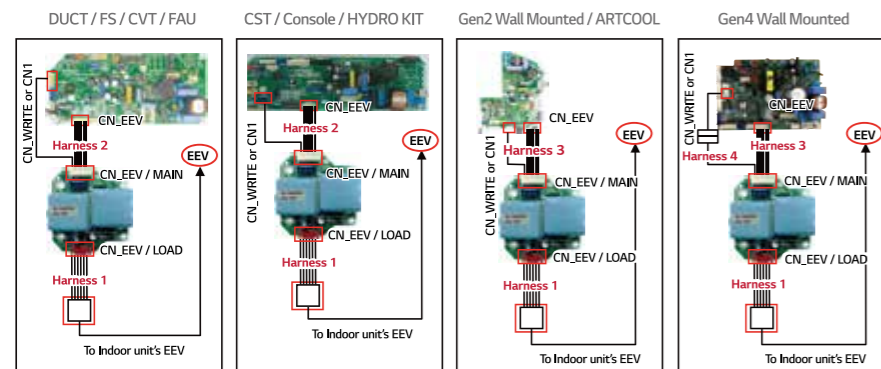


Key Application

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

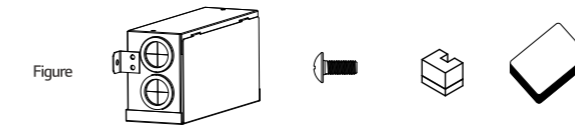
Applied Products
1, 2, 4 Way Ceiling Cassette, High Static Ducted, Low Static Ducted, Ceiling Suspended

Key Features

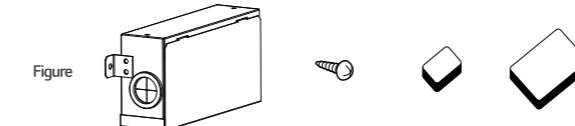
- Provides two stages of auxiliary heat for indoor unit.
- Provides ability to use the two stage auxiliary heater as the primary or secondary heating source.

Included Parts

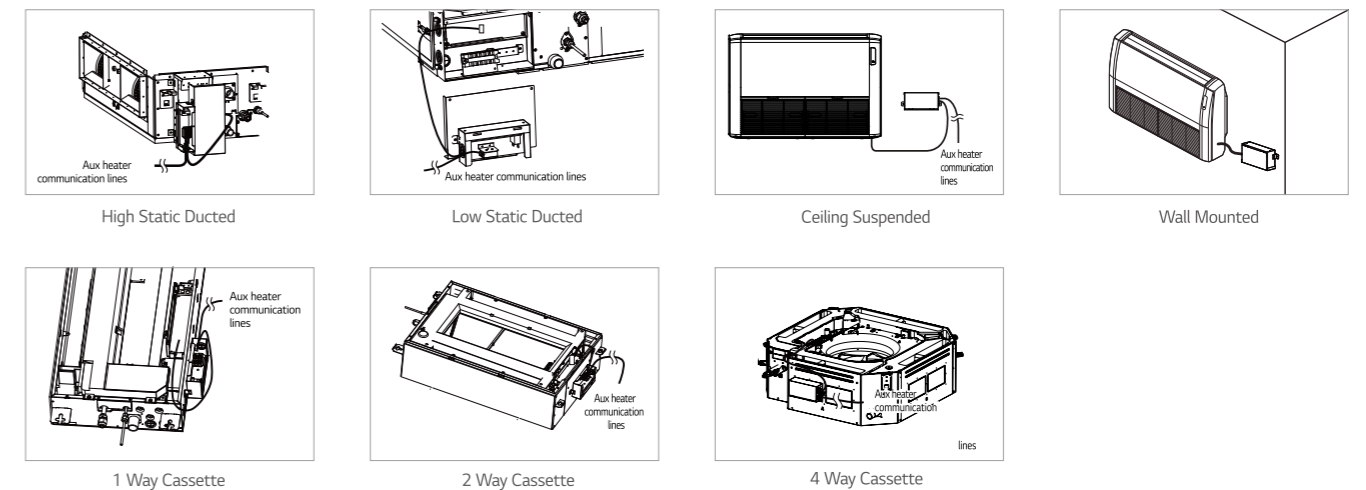
| Model | PRARH1 | | | |
|-------|----------------------------|-------|------------|---------------------|
| Item | Auxiliary Heater Relay Kit | Screw | Insulation | Installation Manual |
| Q'ty | 1 | 2 | 2 | 1 |



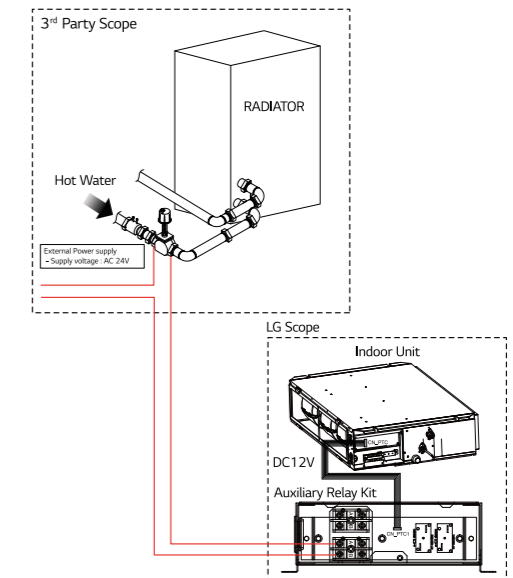
| Model | PRARS1 | | | |
|-------|----------------------------|-------|------------|---------------------|
| Item | Auxiliary Heater Relay Kit | Screw | Insulation | Installation Manual |
| Q'ty | 1 | 2 | 2 | 1 |



How to Install



Key Application



Y BRANCH AND HEADER BRANCH

For refrigerant distribution of indoor units.



Model Name

Refer to specifications

Applied Products

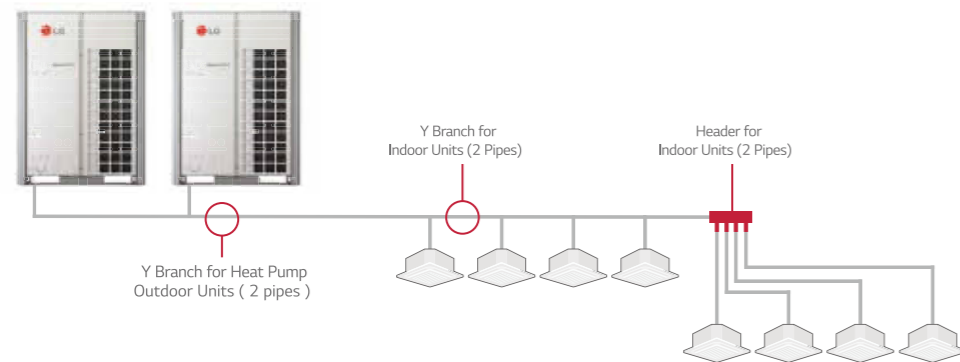
- MULTI V 5
- MULTI V IV
- MULTI V III, MULTI V PLUS II, MULTI V PLUS
- MULTI V S
- MULTI V WATER IV
- MULTI V WATER II
- MULTI V WATER S

Key Features

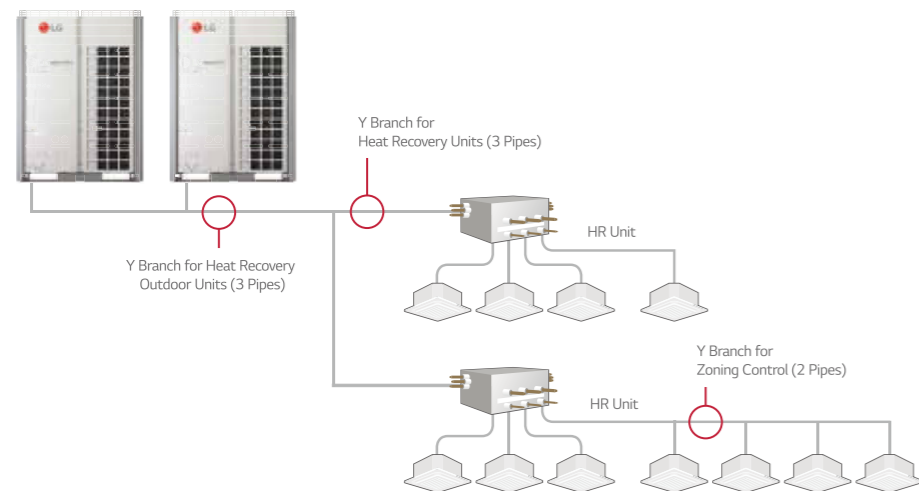
- Various Y Branch pipe of different capacities make MULTI V installation much easier.
- Y Branch and header branch for both gas and liquid are provided.
- Insulation material is also provided for covering the branches.

Key Application

Heat Pump System



Heat Recovery System



Specification

Header Branch

R410A

(Unit : mm)

| Model | Gas Pipe | Liquid Pipe |
|-------------------------|----------|-------------|
| ARBL054 (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.

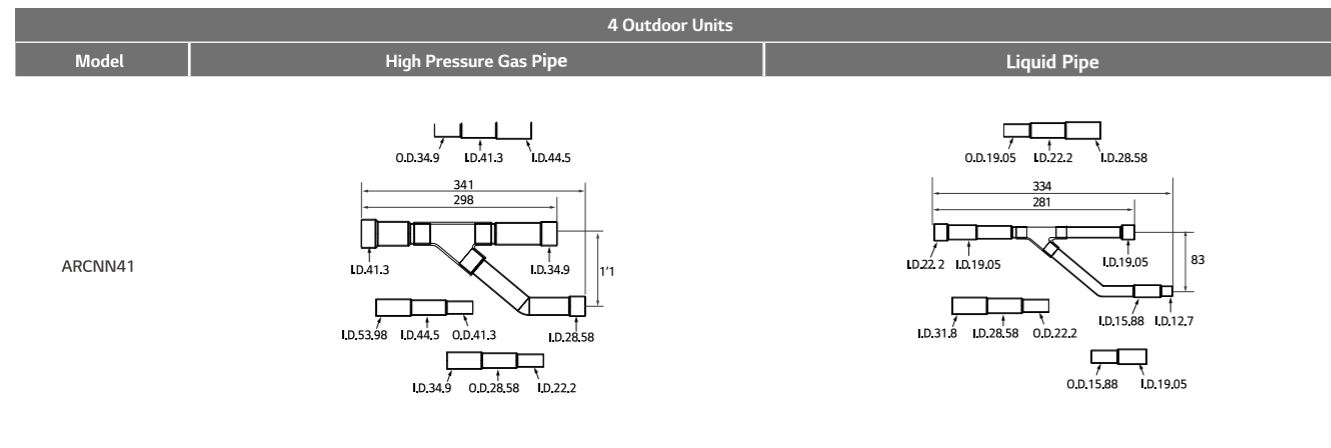
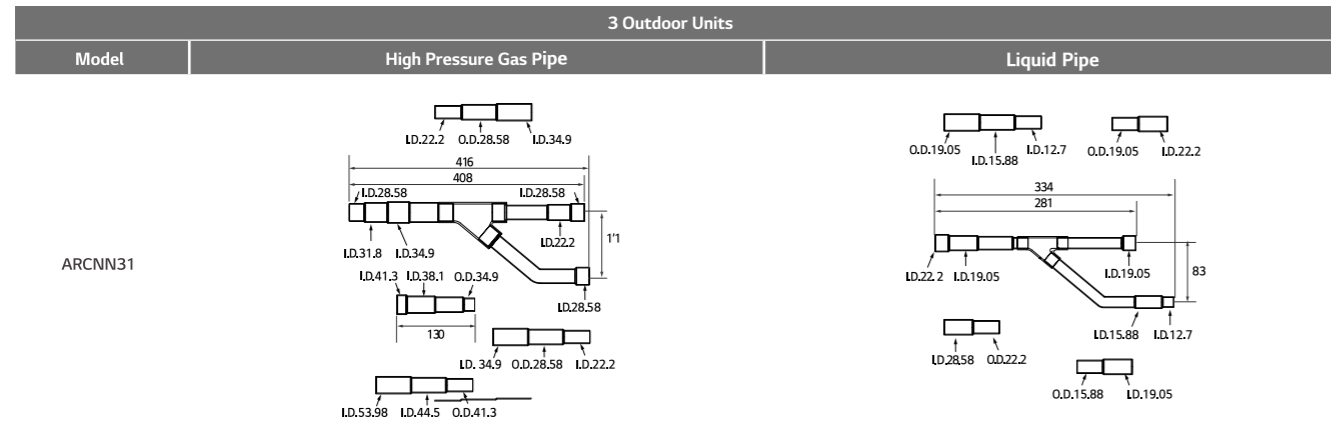
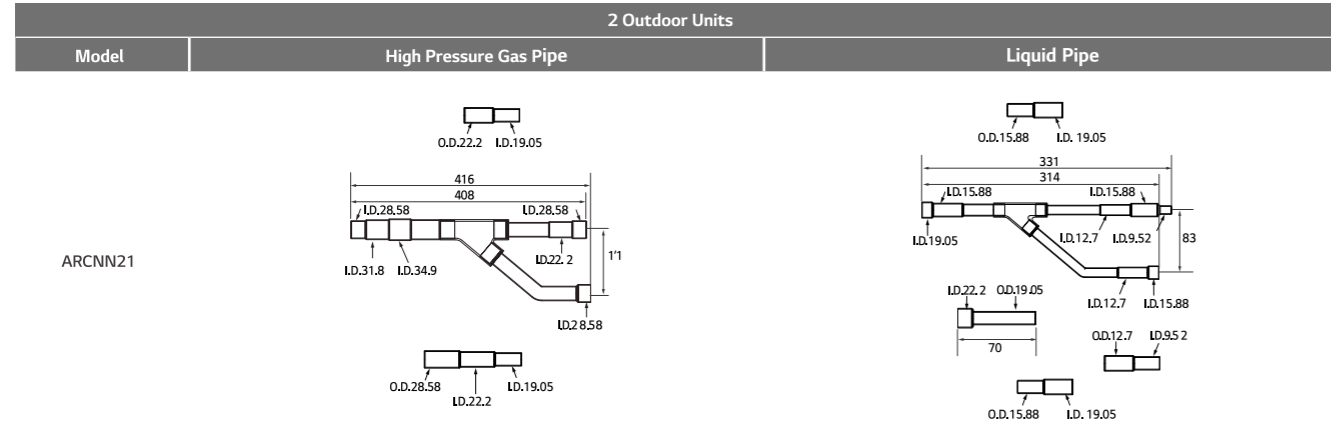
Specification

Heat Pump

R410A

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

(Unit : mm)



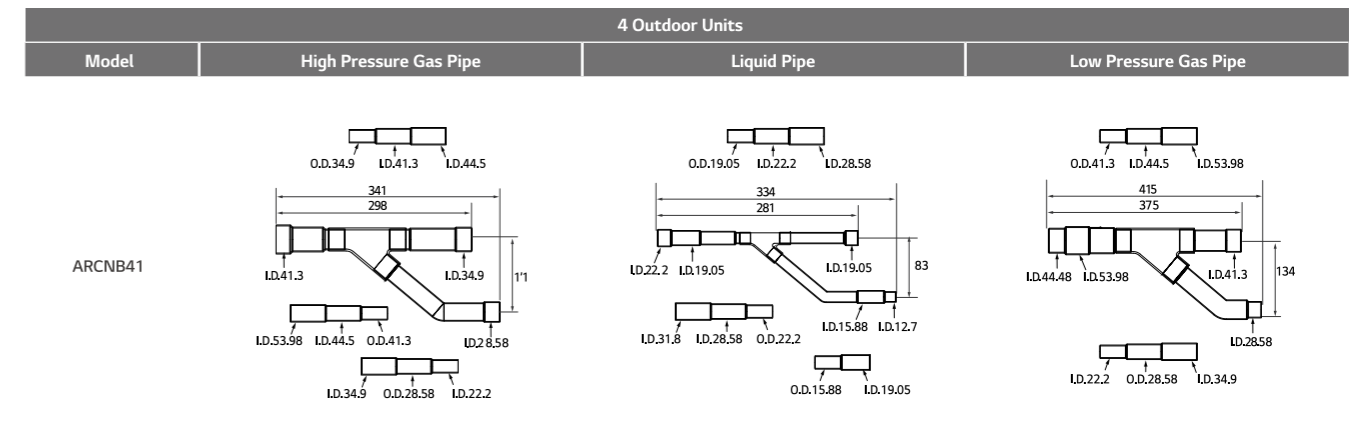
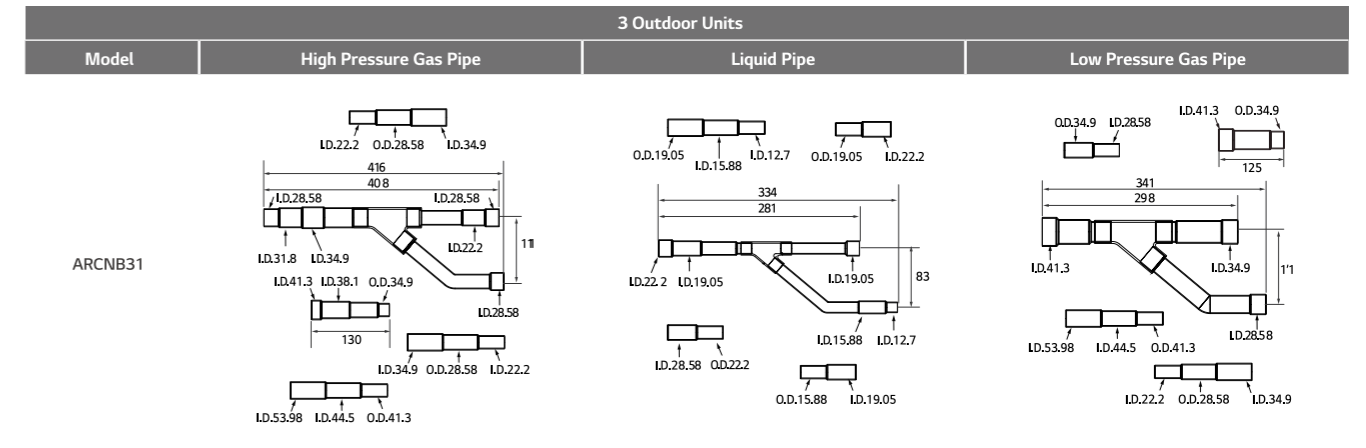
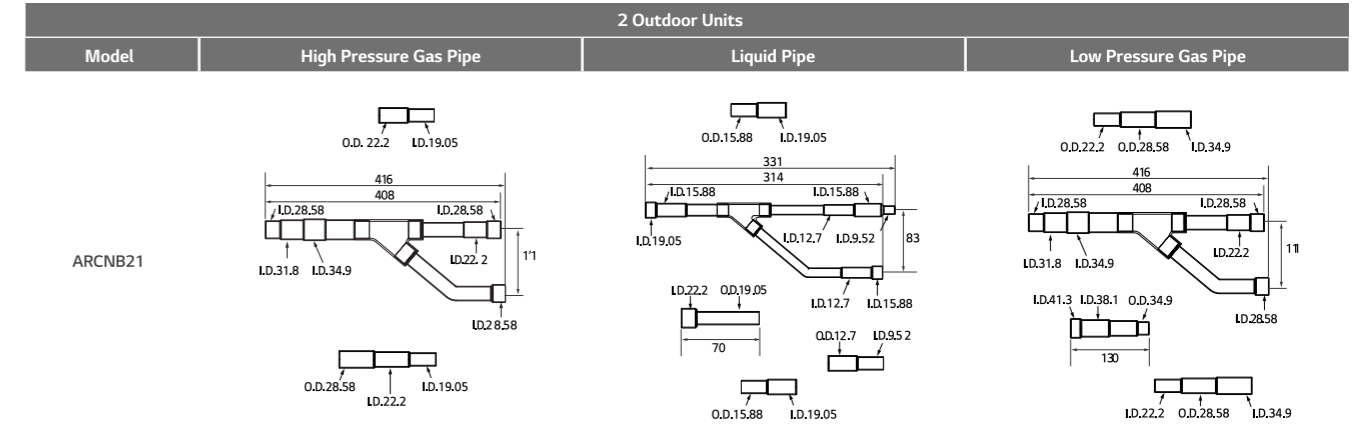
Specification

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 | | |
| ARBLN07121 | | |
| ARBLN14521 | | |
| 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 | | | |
| ARBLB23220 | | | |

REFRIGERANT CHARGING KIT

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



Model Name

PRAC1

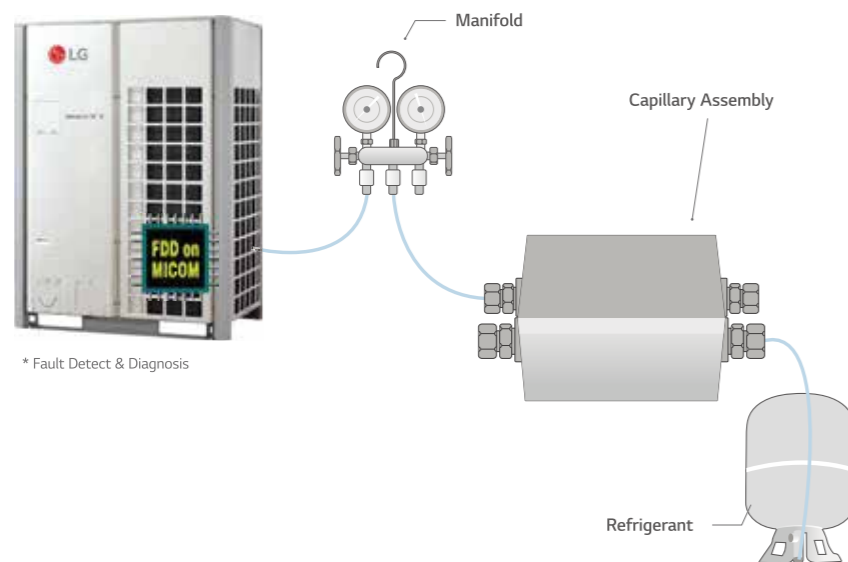
Applied Products

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

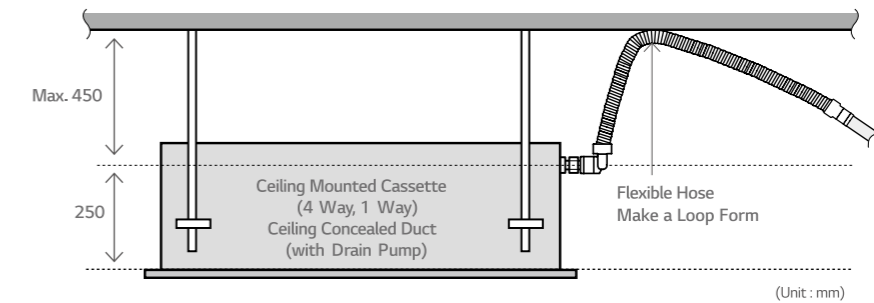
MULTI V Indoor units

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)

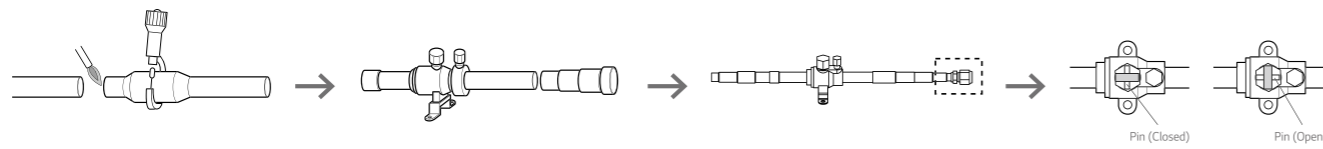
Key Features

- 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

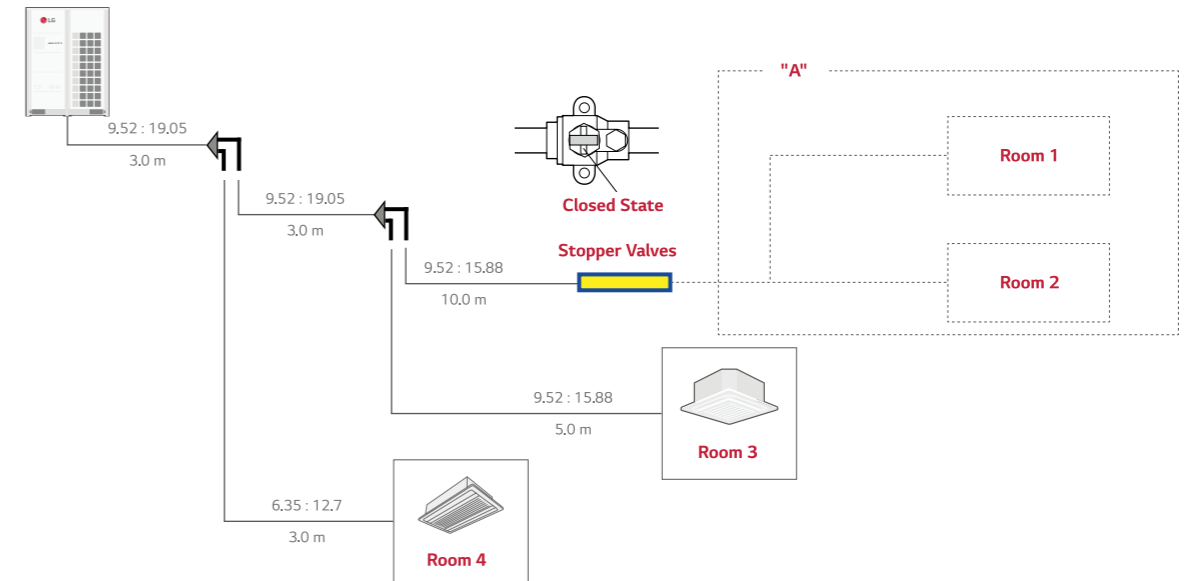


1. Cut the inlet side of the connector, and weld the pipe.
2. If installing additional indoor units, the outlet side connector should be cut according to installation pipe.
3. When installing a stopper valve, the flare part should be facing towards additional indoor unit.
4. When installing an additional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

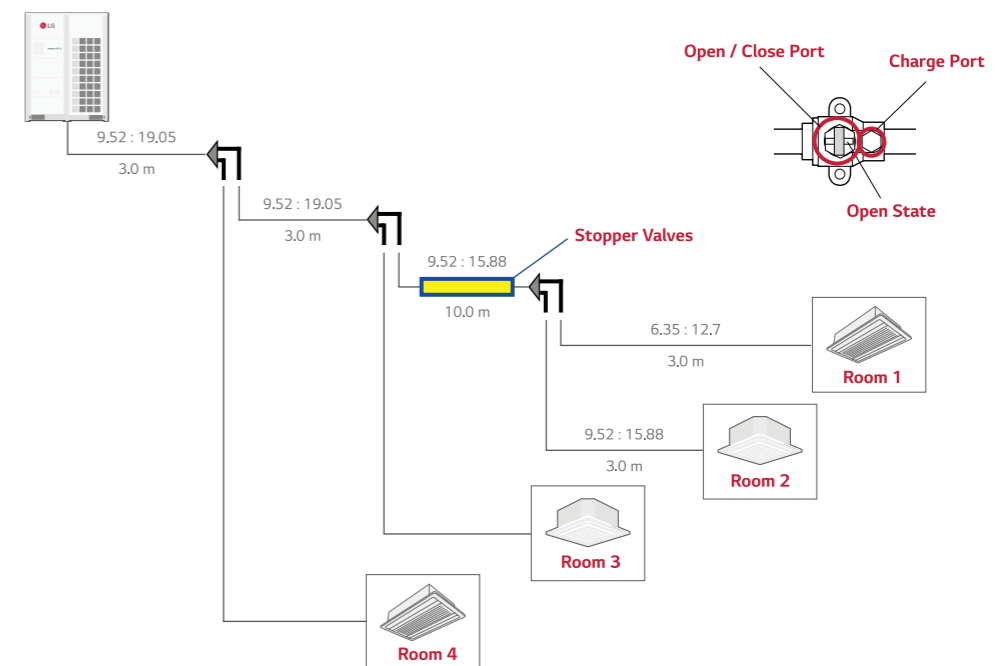
※ When welding, service valve should be wrapped by wet cloth.

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.



NOTE

A series of horizontal dashed lines for writing notes.