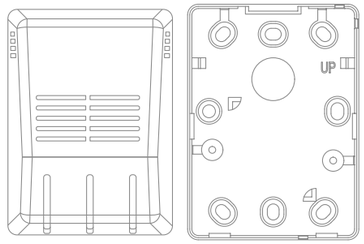
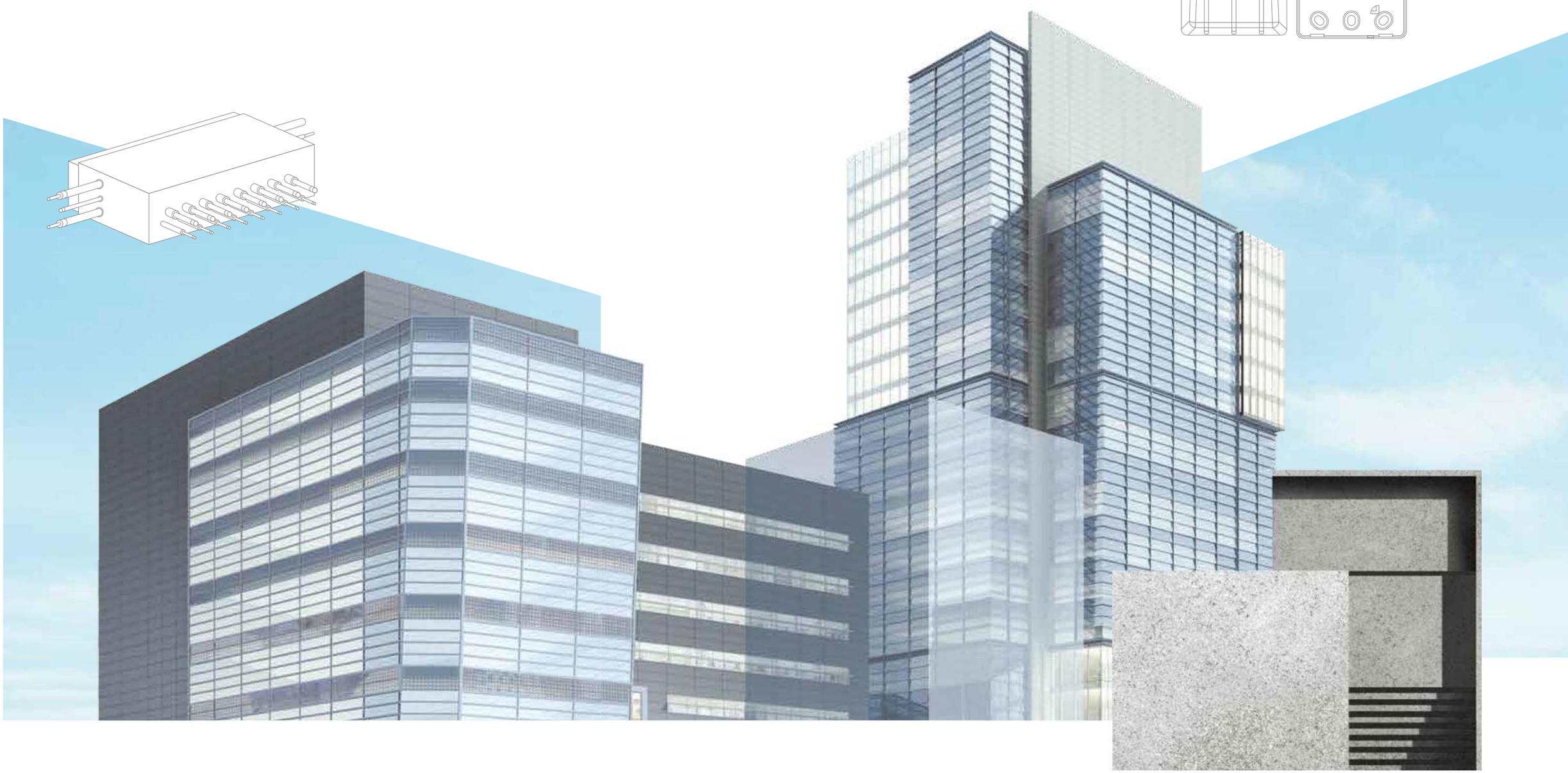
316 - 337

ACCESSORIES

MECHANICAL ACCESSORIES / PIPING ACCESSORIES





Cassette Panel

The Independent Vane Operation makes desired and comfortable air flow.

PT-QCHW0

PT-UQC

PT-USC

PT-QAGW0

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

PT-UAHW0, PT-TAHW0

Model Name & Applied Products

4 Way Cassette (Mini, 570x570)
PT-QAGW0
PT-QCHW0
PT-UQC

2 Way Cassette
PT-USC

1 Way Cassette (Grill Type)
PT-UAHG0 / PT-TAHG0 (Glossy)
PT-UAHW0 / PT-TAHW0 (Non-Glossy)
PT-UPHG0 / PT-TPHG0 (Glossy)

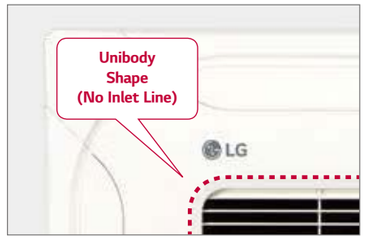
1 Way Cassette (Air Purification)
PT-UPHG0 / PT-TPHG0

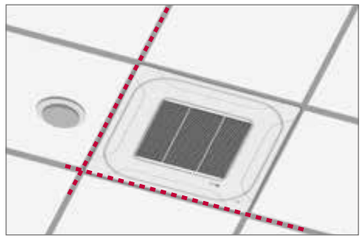
Key Features

- 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.

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)*					
									Single Split		Multi Split		Multi V	
						W	H	D	R32	R410A	R32	R410A	R32	R410A
4 Way	PT-QCHW0	Grill	Morning Fog (RAL 9001)	X	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	1.6-6.2
	PT-UQC	Grill	Morning Fog (RAL 9001)	X	3.0	700	22	700	2.5-5.0	2.5-5.0	1.5-5.3	1.5-5.3	1.6-6.2	1.6-6.2
	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	Grill	Morning Fog (RAL 9001)	X	4.7	1,100	28	690					2.8-7.1	2.8-7.1
1 Way	PT-UAHG0	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-TAHG0	Grill	White (RAL 9003)	O	4.8	1,480	34	500			2.6-3.5	2.6-3.5	5.6-7.1	5.6-7.1
	PT-UAHW0	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-TAHW0	Grill	White (RAL 9003)	X	4.5	1,420	34	500			2.6-3.5	2.6-3.5	5.6-7.1	5.6-7.1
	PT-UPHG0	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-TPHG0	Grill	White (RAL 9003)	O	4.9	1,480	34	500			2.6-3.5	2.6-3.5	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	Elevating Grille	Human Detection Sensor
PT-AAGW0	O	Optional	Optional	X	X	Optional
PT-AFGW0	O	Optional	Optional	Optional (Dust Sensor, Tact Switch)	X	Optional

Specification

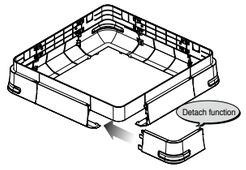
Model	Suction Type	Color (RAL)	Gloss	Weight (kg)	Dimension (mm)		
					W	H	D
PT-AAGW0	Grid	White (RAL 9003)	-	7.1	950	35	950
PT-AFGW0	Grid	White (RAL 9003)	-	7.5	950	35	950

Air Purification Kit

Model	Image	Model name	Dielectric Dust collecting filter	Photocatalytic Deodorizing filter	HVPS	Ionizer
Air cleaning kit		PTAHMP0	O	O	O	O
		PTAHTP0	O	O	O	O

Cassette Cover

Cover in case of exposed cassette installation.



Model Name

PTDCM / PTDCQ

Applied Products

4 Way Cassette (for chassis TQ, TR)

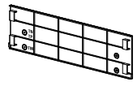
Key Features

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

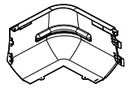
Included Parts

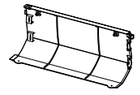
- Cover A, Cover B
- Screws
- Cover C, Cover D
- Installation Manual

Cover A (4 units)


Cover B (4 units)

Screw (32 units)


Cover C (4 units)


Cover D (4 units)

Installation Manual

CO_2 Sensor

CO_2 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

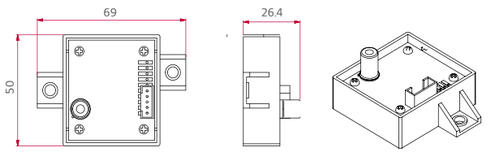
LZ-H050GXN0 / LZ-H080GXN0
LZ-H100GXN0 / LZ-H050GXH0
LZ-H080GXH0 / LZ-H100GXH0

Key Features

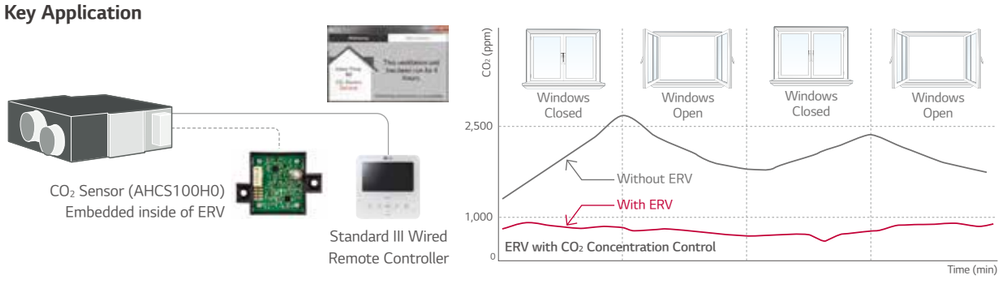
Specification
- Applied Model : ERV (Embeded), ERV DX (Option)
- Supply voltage : DV12V ± 5%
- Output : 0.6 ~ 4.4V (Linear output, 240 ~ 1,760 ppm CO_2)
- Accuracy : ± 10% (2 days after installation)

Description
- The product is especially designed to detect CO_2.
- This model requires Standard III Wired Remote Controller for display.

Dimensions (Unit : mm)



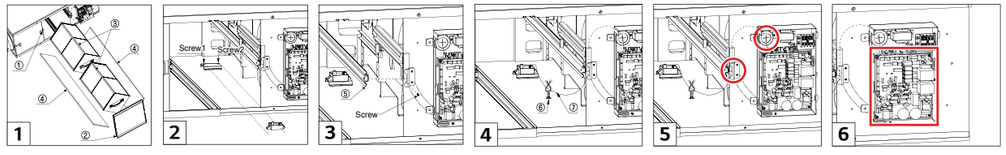
Key Application



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 CO_2 sensor cable (⑦).
5. Connect the wire terminal to the CN-CO_2 port of PCB.

※ Airflow can be controlled by concentration of CO_2, 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

PRLDNVS0

Applied Products

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

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
	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)

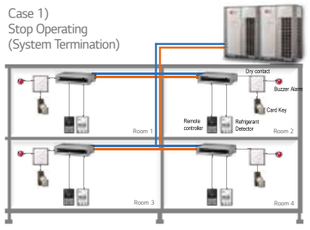
Included Parts

Sensor | Connecting Cable | Sensor Protective Cover

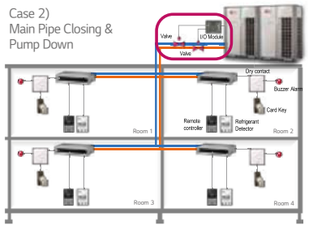
Key Application

Refrigerant Leakage Detector has three application methods.

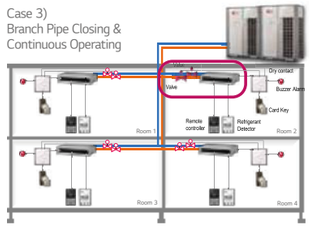
Case 1)
Stop Operating
(System Termination)



Case 2)
Main Pipe Closing &
Pump Down



Case 3)
Branch Pipe Closing &
Continuous Operating



Accessory Specification (To realize the case 2 application)

I/O Module PVDSMN000 | PRLDNVS0 (Refrigerant leak detector) | [Optional / Field Supply] Automatic Ball Valve[1] | 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

※ 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.

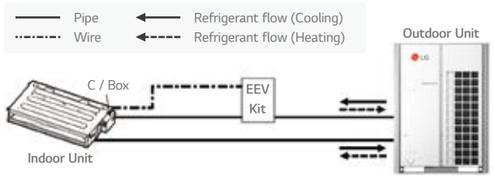
Model Name

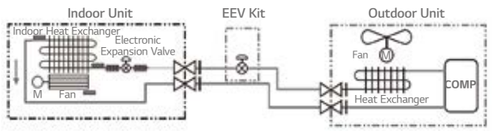
PRGK024A0

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
		TM	-
Duct	High Sensible	BG	-
		BR	-
		B8	-
	High Static	B8	-
	Middle Static	M1	○ (~5.6kW)
		M2	-
		M3	-
	Low Static	L1	○
		L2	-
		L3	-
Etc	Floor Standing	CE	○
		CF	-
	Convertible	VE	○
	Ceiling Suspended	V1	-
		V2	-
	Wall Mounted	SJ	○
		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.

Luxury Hotel

Villa

Executive office

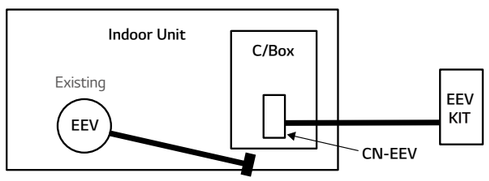
Meeting room

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.

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.



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

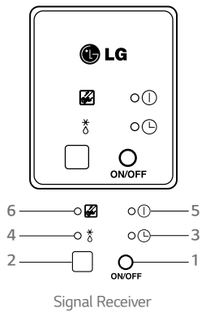
Multi V Indoors (Ceiling Concealed Duct, Floor Standing Units)

Key Features

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

Key Application

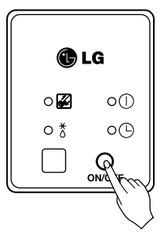
Note : Do not install both the IR Receiver and Wired Remote Controller. This may cause malfunctions.



Signal Receiver

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 controler.
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℃ and the fan speed is high.

Independent Power Module

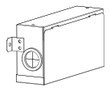
It closes EEV in indoor there is a power cut.

Model Name
PRIP0

Applied Products
Multi V Indoor Units

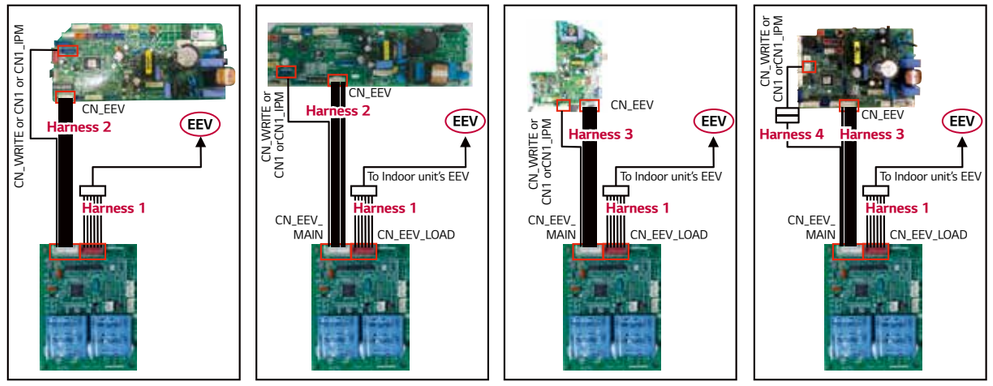
Key Features
- Independent Power Module is specially designed to close the Indoor EEV when power cut-off.
  - Supply Voltage : DC 12V ± 50%

Included Parts

Model	PRIP0			
Item	Independent Power Kit	Screw	Clamp (Tie Wrap)	(Other)
Q'ty	1	2	4	• Harness 1 (1 m) • Harness 2 (1 m) • Harness 3 (1 m) • Harness 4 (0.05 m) • Installation Manual • Insulator (PE, 2 EA)
Figure		M4 x 10		

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 kit (CN-EEV/LOAD) to the indoor unit's EEV, using harness 1.
④ Connect the independent power kit (CN-EEV/MAIN) to the indoor unit's PCB (CNEEV/CN_WRITE or CN1 or CN1_IPM), using harness 2 or 3, 4.
⑤ Supply the power.



DUCT / FS / CVT / FAU | CST / Console / Hydro Kit | Gen2 Wall Mounted / ARTCOOL | Gen4 Wall Mounted

* 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

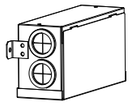
Applied Products
Wall Mounted, Art Cool Mirror, Art Cool Gallery

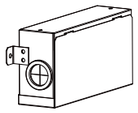
Model Name
PRARH1

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

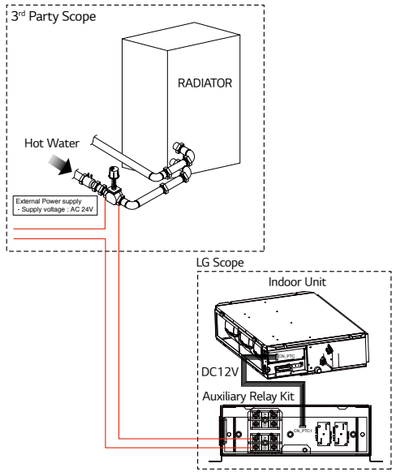
Key Features
- Provides two stages of auxiliary heat for indoor unit.
- Provides ability to use the two stage auxiliary heater as the primary or secondary heating source.

Included Parts

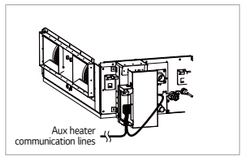
Model	PRARH1			
Item	Auxliary Heater Relay Kit	Screw	Insulation	Installation Manual
Q'ty	1	2	2	1
Figure				

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

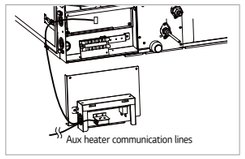
Key Application



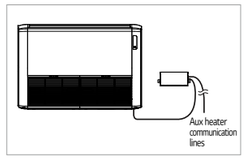
How to Install



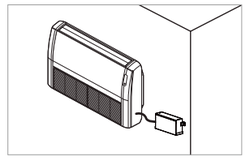
High Static Ducted



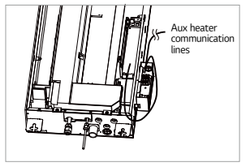
Low Static Ducted



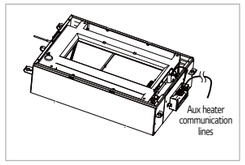
Ceiling Suspended



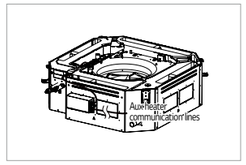
Wall Mounted



1 Way Cassette

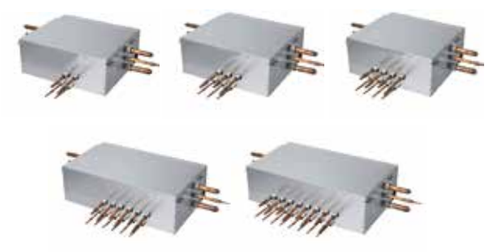


2 Way Cassette



4 Way Cassette

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

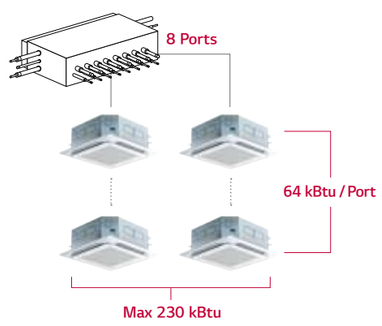
Multi V 5
Multi V IV
Multi V Water IV

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

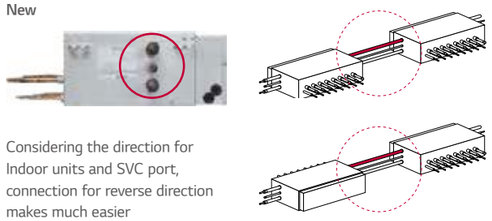
Maximum number of connectable indoor units :
64 IDUs / HR unit (in case of 8 ports model)



Flexible Connection

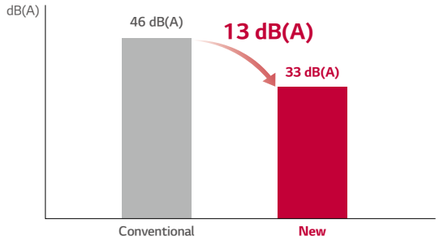
Series connection can be installed without pipes crossing.

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℃ DB / 19℃ WB, 35℃ DB / 24℃ WB
  (Heating) 20℃ DB / 15℃ WB, 7℃ DB / 6℃ WB
- Operating : cooling → heating switching operation

Included Parts

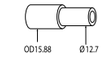
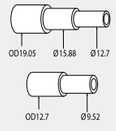
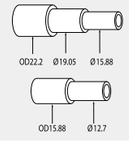
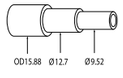
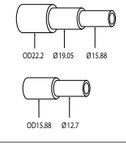
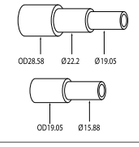
- HR unit (1EA)
- Hanging bolts M10 or M8 (4EA)
- Nut M8 or M10 (8EA)
- Washers M10 (8EA)
- Reducers

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

(Unit : mm)

Model		Liquid	High Pressure	Low Pressure
Indoor unit reducer				
HR unit reducer	PRHR023			
	PRHR033 PRHR043 PRHR063 PRHR083			

Y Branch and Header Branch

For refrigerant distribution of indoor units.

Model Name

Refer to specifications

Applied Products

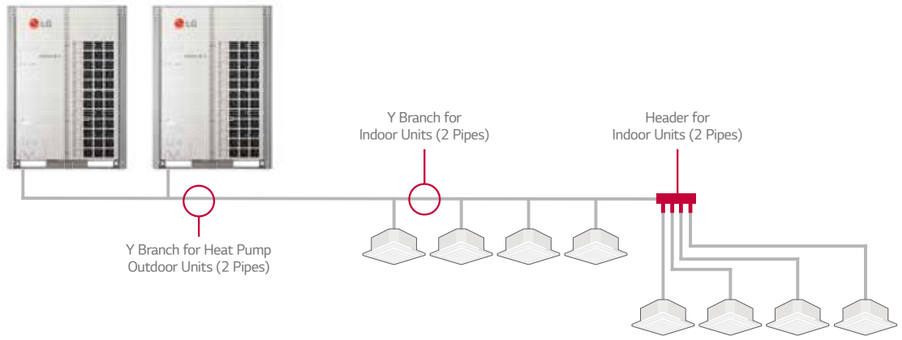
Multi V 5
Multi V IV
Multi V III, Multi V Plus II, Multi V Plus
Multi V S
Multi V Water IV
Multi V Water II
Multi V Water S

Key Features

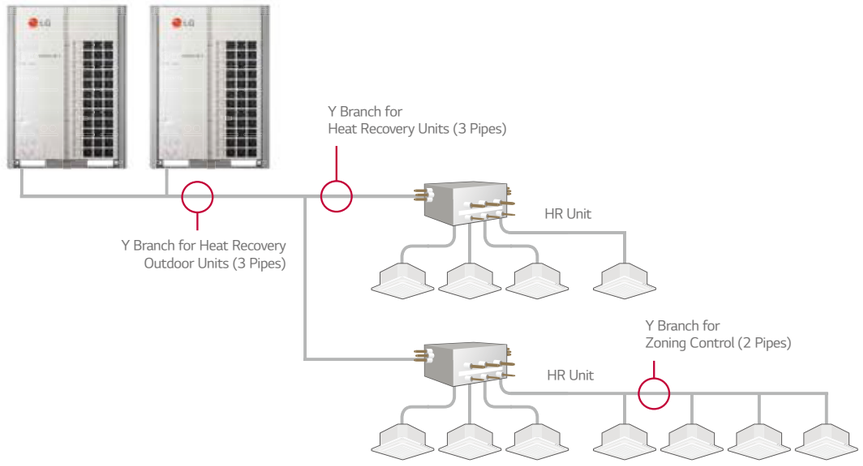
- Various Y Branch pipe of different capacities make MULTI V installation much easier.
- Y Branch and header branch for both gas and liquid are provided.
- Insulation material is also provided for covering the branches.

Key Application

Heat Pump System



Heat Recovery System

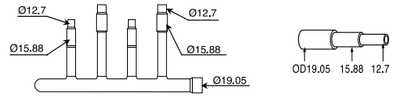
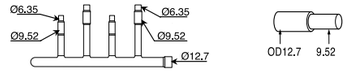
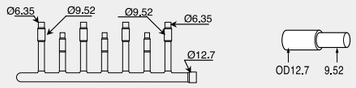
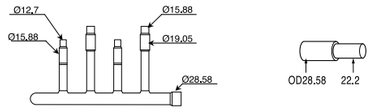
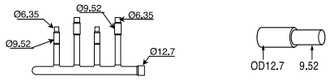
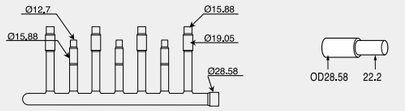
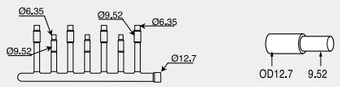
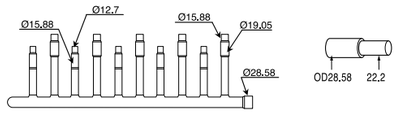
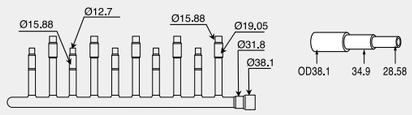


Specification

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

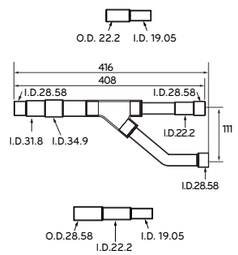
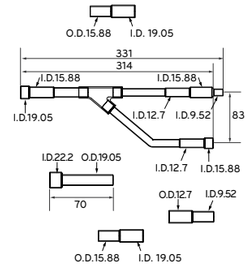
Y Branch pipe for connection of outdoor units.

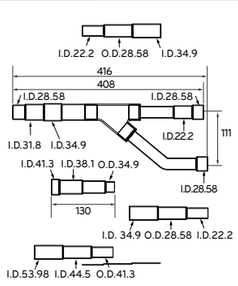
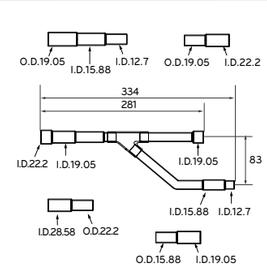
Specification

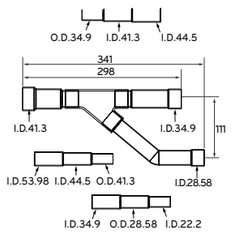
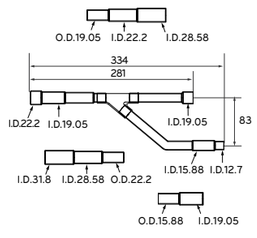
Heat Pump

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

(Unit : mm)

2 Outdoor Units		
Model	High Pressure Gas Pipe	Liquid Pipe
ARCNN21		

3 Outdoor Units		
Model	High Pressure Gas Pipe	Liquid Pipe
ARCNN31		

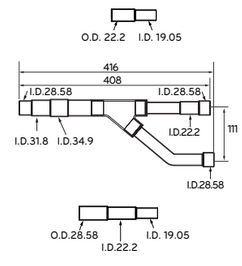
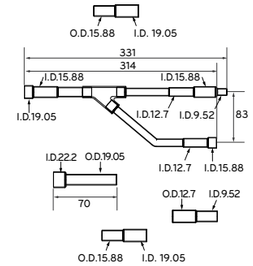
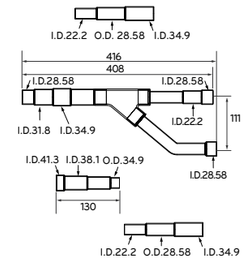
4 Outdoor Units		
Model	High Pressure Gas Pipe	Liquid Pipe
ARCNN41		

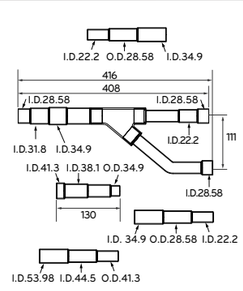
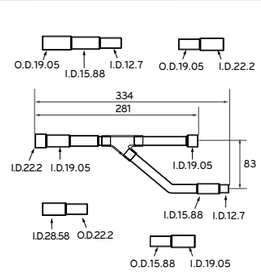
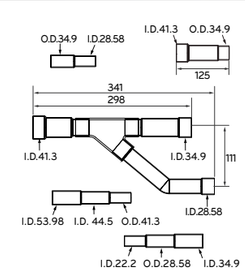
Specification

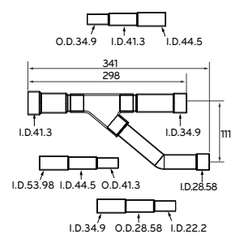
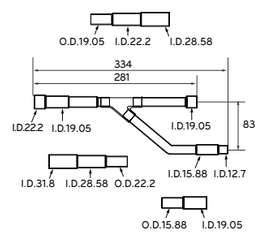
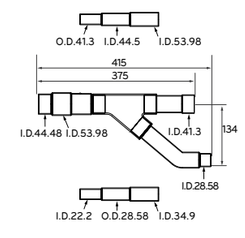
Heat Recovery

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)

2 Outdoor Units			
Model	High Pressure Gas Pipe	Liquid Pipe	Low Pressure Gas pipe
ARCNB21			

3 Outdoor Units			
Model	High Pressure Gas Pipe	Liquid Pipe	Low Pressure Gas pipe
ARCNB31			

4 Outdoor Units			
Model	High Pressure Gas Pipe	Liquid Pipe	Low Pressure Gas pipe
ARCNB41			

Piping Accessories

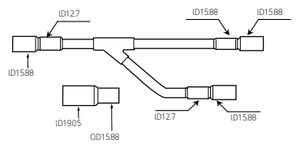
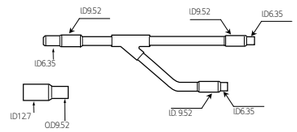
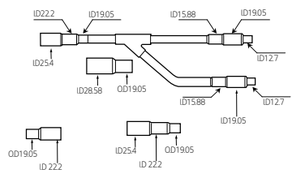
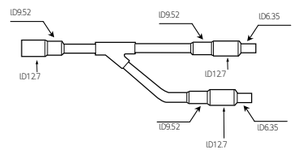
Y Branch pipe for connection of outdoor units.

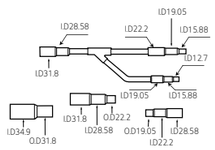
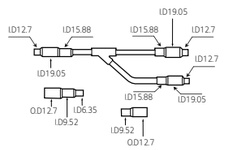
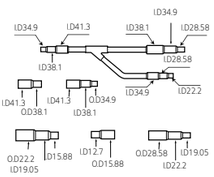
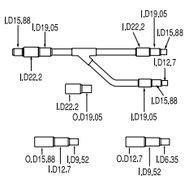
Specification

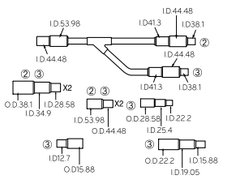
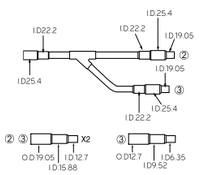
Heat Pump, Heat Recovery Zone Control

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		

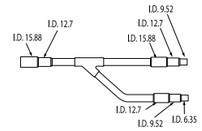
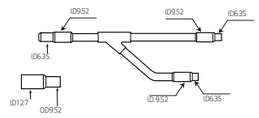
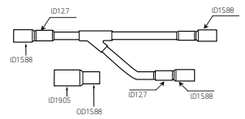
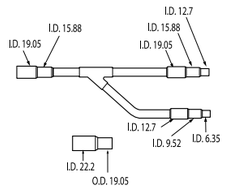
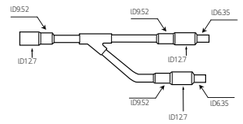
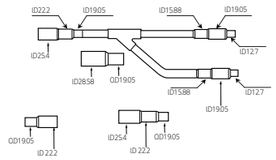
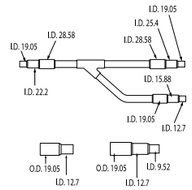
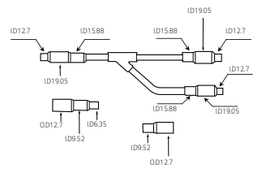
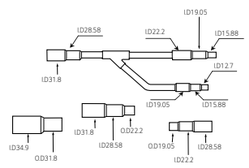
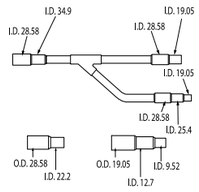
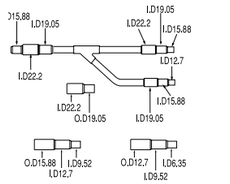
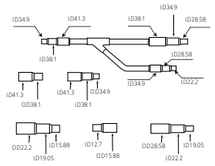
Model	Gas Pipe	Liquid Pipe
ARBLN23220		

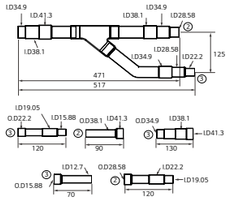
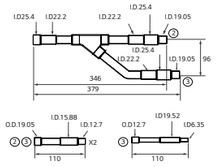
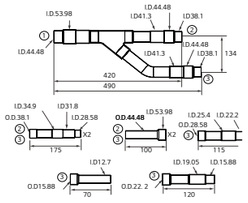
Specification

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

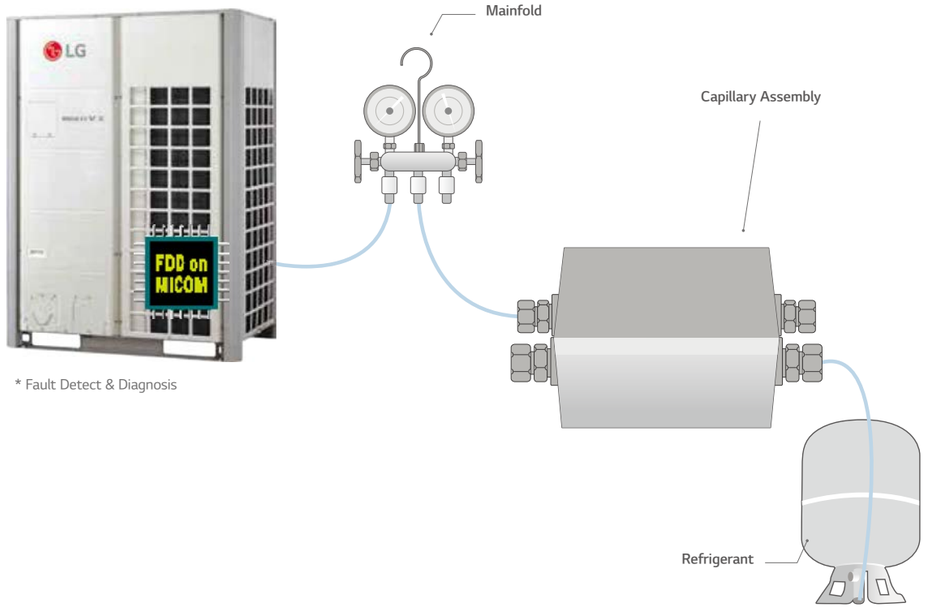
Applied Products

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.

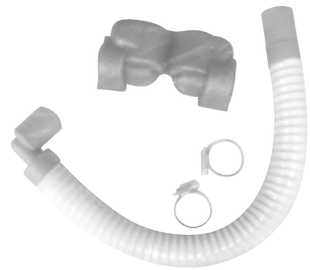
Key Application



* Fault Detect & Diagnosis

Drain Hose

Easy drain installation.



Model Name

PHDHA05T
PHDHA07T
PHDHA05B
PHDHA07B

Applied Products

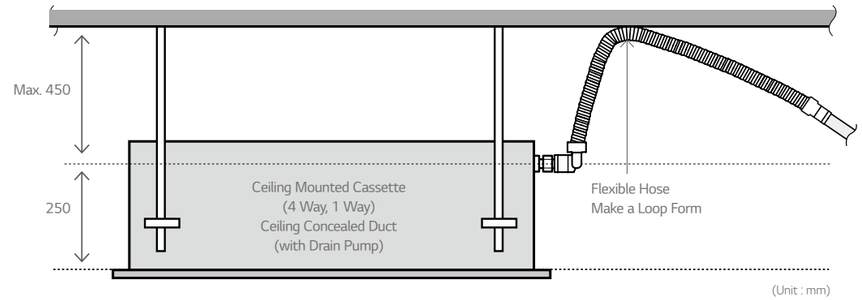
Multi V Indoor units

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

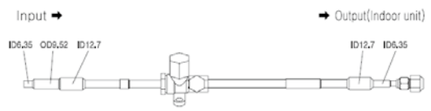
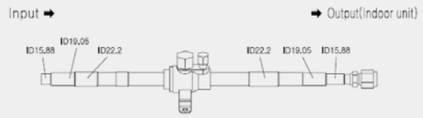
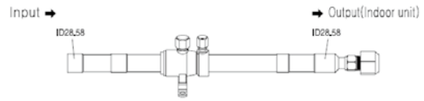
Model Name

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

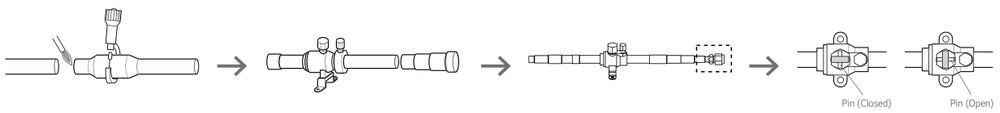
Key Features

- 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

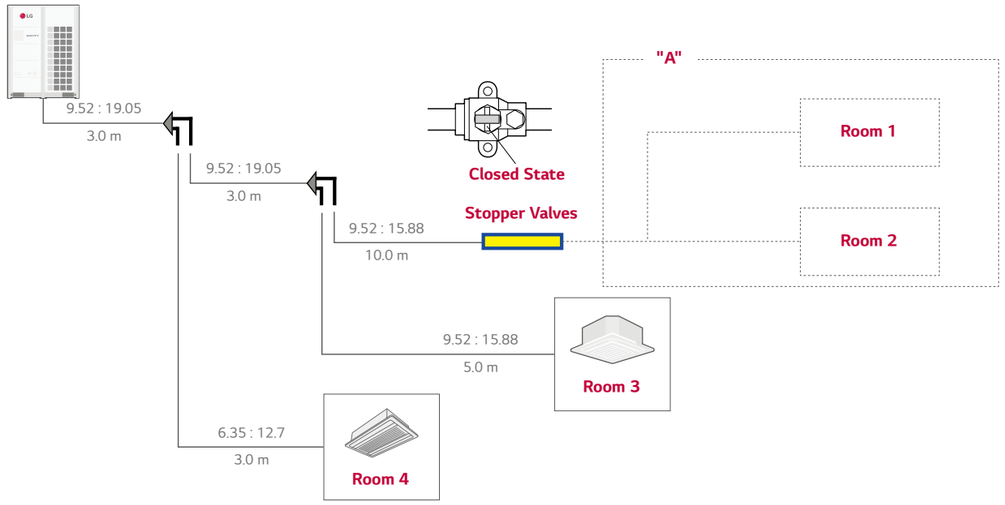
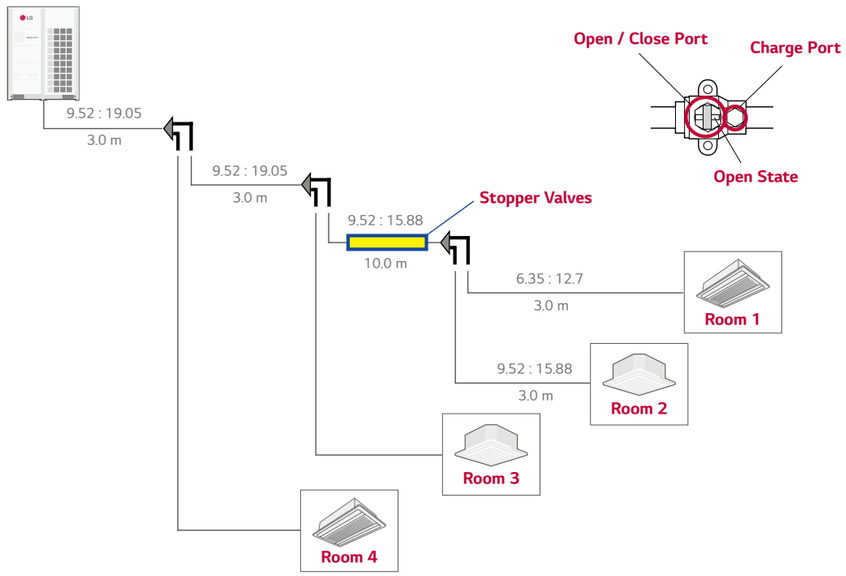


1. Cut the inlet side of the connector, and weld the pipe
2. If installing additional indoor units, the outlet side connector should be cut according to installation pipe.
3. When installing a stopper valve, the flare part should be facing towards additional indoor unit.
4. When installing an additional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