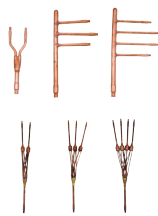









# PIPING ACCESSORIES

## Line-Up

SINGLE SPLIT	MULTI SPLIT	MULTI V	ETC
<b>Y Branch and Header Branch (Synchro)</b>  2 Units PMUB11A 3 Units PMUB111A 4 Units PMUB1111A	<b>Branch Distributor</b>  PMBD3620 PMBD3630 PMBD3640  <b>Y Branch and Branch Kit</b>  2 Units PMBL3620 PMBL5620 2 Units PMBL1203FO	<b>New Heat Recovery Unit</b>  PRHR022 PRHR032 PRHR042  <b>Y Branch and Header Branch</b> 	<b>Refrigerant Charging Kit</b>  PRAC1  <b>Stopper Valve</b>  PRVT120 PRVT780 PRVT980  <b>Drain Hose</b>  PHDHA05T PHDHA07T PHDHA05B PHDHA07B

## Mechanical Accessories Line up and Application

Model Name	SINGLE SPLIT	MULTI SPLIT	MULTI V	Remark
Y Branch and Header Branch (Synchro)	○	-	-	
Branch Distributor (MULTI)	-	○	-	MULTI F DX systems
Y Branch and Branch Kit (MULTI)	-	○	-	MULTI F DX systems
Heat Recovery Unit (MULTI V)	-	-	○	MULTI V IV Heat Recovery, MULTI V WATER IV Heat Recovery, MULTI V III Heat Recovery, MULTI V WATER II Heat Recovery, MULTI V SYNC II, MULTI V SYNC
Y Branch and Header Branch (MULTI V)	-	-	○	Various type of MULTI V Series

# Y BRANCH AND HEADER BRANCH (SYNCHRO)

Refrigerant distribution channel

2 Units

PMUB11A

3 Units

PMUB111A

4 Units

PMUB1111A



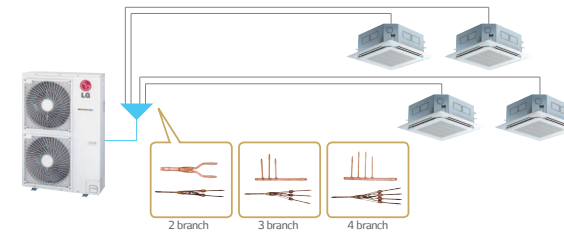
## Features

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

## Models Applied

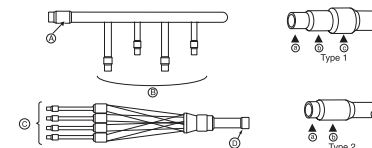
- H-inverter : 10.0 / 12.5 / 13.4kw
- Standard inverter : 12.5 / 14.0 / 15.0 / 20.0 / 25.0kw

## Application



## Accessory Model Name

Indoor Classification	Model Name	Capacity Ratio(%)
2 Units	PMUB11A	50.50 (1:1)
3 Units	PMUB111A	33.33.33 (1:1:1)
4 Units	PMUB1111A	25.25.25.25(1:1:1:1)



	a	b	c	Type
A	Ø15.88(5/8)	Ø19.05(3/4)	Ø25.4(1)	1
B	Ø9.52(3/8)	Ø12.7(1/2)	-	2
C	Ø6.35(1/4)	Ø9.52(3/8)	-	2
D	Ø9.52(3/8)	Ø12.7(1/2)	-	2

# BRANCH DISTRIBUTOR (DISTRIBUTOR BOX)

Effective way of distributing refrigerant

PMBD3620  
PMBD3630  
PMBD3640



## Features

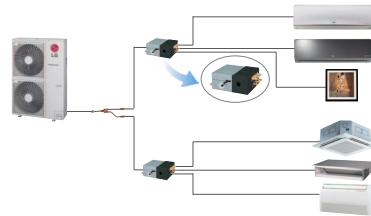
- Distribution of refrigerant to various indoor units
- 3 models (2, 3, 4 indoor units)
- Consists of LEVs inside it
- Controlling PCB inside the unit
- Internally insulated (prevents any chances of drainage)
- Flare joints for easy and clean installation
- Compact design (low height)
- Flexible installation

## Models Applied

- MULTI F DX systems (refer to PDB for applicable models)

## Parts Included

- BD (Branch Distributor) unit (1EA)
- Brackets (4EA)
- Screws (8EA)
- Installation Manual (1EA)



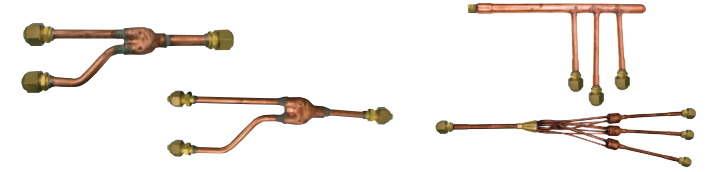
## Specifications

Model Name		PMBD3620	PMBD3630	PMBD3640
Connectable Indoor Units	Number of Indoor Units	1-2	1-3	1-4
Capacity	(Btu/hr)	5k/7k/9k/12k/18k/24k	5k/7k/9k/12k/18k/24k	5k/7k/9k/12k/18k/24k
Casing Colour		Paintingless	Paintingless	Paintingless
Power Source	ø/V/Hz	1/220-240/50	1/200-240/50	1/200-240/50
Power Consumption	(W)	10	10	10
Running Current	(A)	0.05	0.05	0.05
Dimensions	(W x H x D) (mm)	302x143x252	302x143x252	302x143x252
Packing Dimensions	(W x H x D) (mm)	422x202x300	422x202x300	422x202x300
Net Weight		4.8	4.9	5.0
Connecting Cable	Indoor Unit No. x mm <sup>2</sup>	4x0.75	4x0.75	4x0.75
	Outdoor Unit No. x mm <sup>2</sup>	4x0.75	4x0.75	4x0.75
Piping Connection (Outdoor Unit)	liquid (mm)	9.52	9.52	9.52
	Gas (mm)	19.05	19.05	19.05
Piping Connection (Indoor Unit)	Liquid (mm)	6.35x2	6.35x3	6.35x4
	Gas (mm)	9.52x2	9.52x3	9.52x4
Parts	Hanger (EA)	4	4	4
	Screw (EA)	8	8	8
	Manual (EA)	1	1	1

# Y BRANCH AND BRANCH KIT MULTI F DX

Refrigerant distribution channel

2 Units  
PMBL3620  
PMBL5620  
2 Units  
PMBL1203FO



## Features

- Y Branch and Branch kit make Multi F DX installation easier
- Y Branch and Branch kit for both gas and liquid are provided
- Insulation material is also provided for covering the branches

## Models Applied

- MULTI F DX systems (refer to PDB for applicable models)

## Application



## Parts Included

- Y Branch for gas side and liquid side (1 set)
- Installation manual (1EA)

## Accessory Model Name

Model Name	No. of Branch Distribution Units	Applicable Model	Specifications (Unit: mm)	
			Gas	Liquid
PMBL3620	2 units	Only 3ø, 36k Btu/h		
PMBL5620	2 units	1ø, 3ø		
PMBL1203FO	3 units	1ø, 3ø		

# HEAT RECOVERY UNIT

**New**

PRHR022  
PRHR032  
PRHR042



## Features

- Max. 32 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

## Models Applied

- MULTI V IV Heat Recovery
- MULTI V III Heat Recovery
- MULTI V SYNC II
- MULTI V SYNC
- MULTI V WATER IV Heat Recovery
- MULTI V WATER II Heat Recovery

## Specifications

Model Name		PRHR022	PRHR032	PRHR042		
Number of Branch	EA	2	3	4		
Maximum Connectable Capacity of Indoor Units (Per branch/unit)	kW	16/32	16/48	16/58		
Maximum Number of Connectable Indoor units per Branch	EA	8	8	8		
Nominal Input	Cooling	kW	0.026	0.040		
	Heating	kW	0.026	0.040		
Net. Weight	kg	18	20	22		
Dimensions (WxHxD)	mm	801x218x617	801x218x617	801x218x617		
Piping connections	Indoor Unit	Liquid	mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
		Gas	mm (inch)	15.88 (5/8)	422x202x300	422x202x300
	Outdoor Unit	Liquid	mm (inch)	9.52 (3/8)	15.88 (5/8)	15.88 (5/8)
		Low pressure	mm (inch)	22.2 (7/8)	28.58 (11/8)	28.58 (11/8)
High Pressure	mm (inch)	19.05 (3/4)	22.2 (7/8)	22.2 (7/8)		
Power Supply	ø /V/Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50		

## Parts Included

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

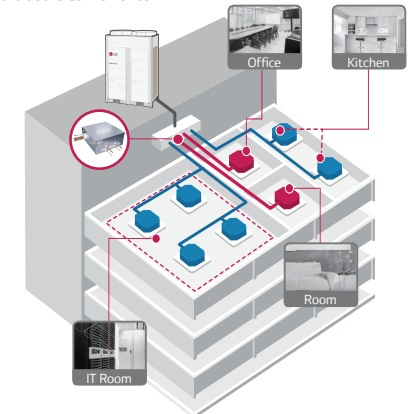
## Reducers for Indoor Unit and HR Unit

Model Name		Liquid pipe	High pressure	Low pressure
Indoor unit reducer				
HR unit reducer	PRHR022			
	PRHR032/ PRHR042			

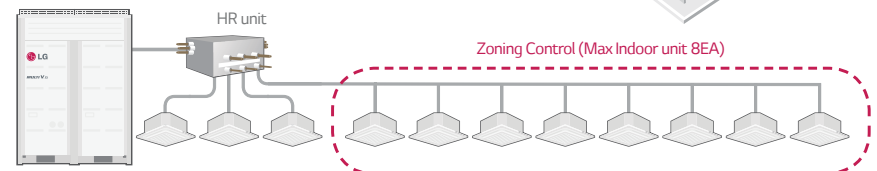
## Convenient Free Zoning

MULTI V III Heat recovery provides flexible control over individual zones for the user's convenience.

- Individual Control
  - Perfect individual control over spaces ventilation needed
- Zone Control
  - Max. of 8 indoor units can be connected for one branch
  - Max. of 32 indoor units can be connected for one HR unit
  - Same operational model can be operated by indoor units with zone control function installed
- Combination of Individual and Zoning Installations
  - Flexible piping design
- Save Product and Installation Cost



[Zoning Control]



# Y BRANCH AND HEADER BRANCH (*MULTI V*<sup>TM</sup>)

For refrigerant distribution of indoor units



Y Branch

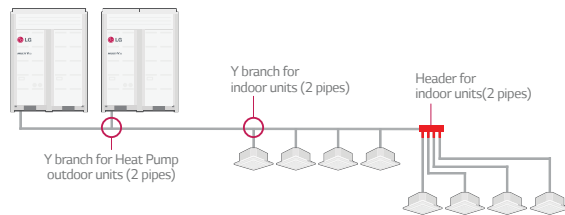
Header Branch

## Features

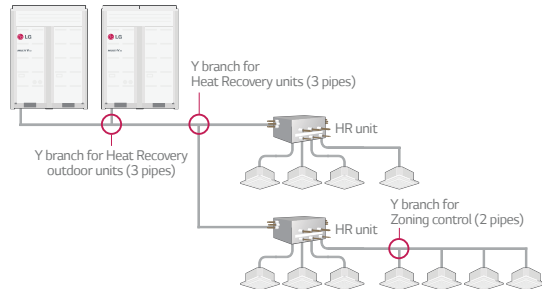
- Various Y Branch pipe of different capacities make MULTI V installation much easier.
- Y Branch and header branch for both gas and liquid are provided.
- Insulation material is also provided for covering the branches.

## Piping Diagram

### Heat Pump system



### Heat Recovery system



## Models Applied

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

## Details of Model Name

Header Branch

• R410A

(Unit: mm)

Model Name	Gas Pipe	Liquid Pipe
4 Branch / ARBL054		
7 Branch / ARBL057		
4 Branch / ARBL104		
7 Branch / ARBL107		
10 Branch / ARBL1010		
10 Branch / ARBL2010		

# PIPING ACCESSORIES

Y Branch pipe for connection of outdoor units

[Heat Pump]

• R410A / MULTI V IV, MULTI V III, MULTI V WATER IV, MULTI V WATER II

(Unit: mm)

2 Outdoor Units		
Model Name	Low Pressure Gas pipe	Liquid pipe
ARCNN21		

3 Outdoor Units		
Model Name	Low Pressure Gas pipe	Liquid pipe
ARCNN31		

4 Outdoor Units		
Model Name	Low Pressure Gas pipe	Liquid pipe
ARCNN41		

[Heat Recovery]

• R410A / 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 Name	Low Pressure Gas pipe	Liquid pipe	High Pressure Gas pipe
ARCNB21			

2 Outdoor Units			
Model Name	Low Pressure Gas pipe	Liquid pipe	High Pressure Gas pipe
ARCNB31			

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

# PIPING ACCESSORIES

Y Branch pipe for connection of indoor units

[Heat Pump, Heat Recovery zone control]

• **R410A** / 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 Name	Gas pipe	Liquid pipe
ARBLN01621		
ARBLN03321		

• **R410A** / 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 Name	Gas pipe	Liquid pipe
ARBLN07121		
ARBLN14521		

• **R410A** / 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 Name	Gas pipe	Liquid pipe
ARBLN23220		

[Heat Recovery]

• **R410A** / 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 Name	Low Pressure Gas pipe	Liquid pipe	High Pressure Gas pipe
ARBLB01621			
ARBLB03321			
ARBLB07121			
ARBLB14521			

• **R410A** / 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 Name	Low Pressure Gas pipe	Liquid pipe	High Pressure Gas pipe
ARBLB23220			