

INSTALLATION INSTRUCTION

Branching Header (For R410A and R32)

Please read “Safety Cautions” described in the Installation Manual of the Air Conditioner.

- Check the following parts in the package.
- For piping material and size of the refrigerant pipes, refer to the Installation Manual of the Air Conditioner.

MODEL:
Branching Header
RBM-HY1043FE
RBM-HY1083FE

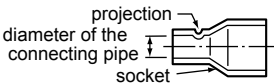
* There is a case that the gas pipe is named different name by each series. If it is called “HP/LP Gas pipe”, please use the parts for Discharge gas side.

PARTS

NOTE : 1. All dimensions are in millimeters. In the following tables, () indicates diameter of the indicated position, and others indicate diameter of the connecting pipe.

2. Please connect pipe to the side with a projection of the socket. (⑦⑩ : without projection)

3. The branching pipe suction of gas side and discharge gas side are classified with the name label. when you connect the branching pipe, please confirm the name label so as not to make a mistake.

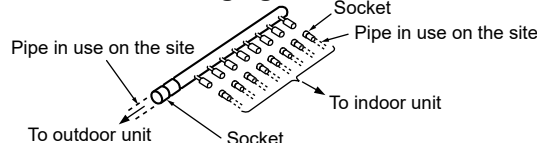


NAME	MODEL	RBM-HY1043FE	RBM-HY1083FE
Suction gas side		1pc	1pc
Discharge gas side		1pc	1pc
Liquid side		1pc	1pc
Heat insulator (suction gas side/ discharge gas side/liquid side)		1pc each	1pc each
Socket	No.	No.	No.
Suction gas side	⑭	⑭	⑭
	⑦⑩	⑦⑩	⑦⑩
	⑱	⑱	⑱
Discharge gas side	⑮	⑮	⑮
	⑱	⑱	⑱
	⑭	⑭	⑭
Liquid side	⑯	⑯	⑯
	⑱	⑱	⑱
Outlet sealed pipe at suction gas side		(ø15.9) 1pc	(ø15.9) 3pcs
Outlet sealed pipe at discharge gas side		(ø15.9) 3pcs	(ø15.9) 7pcs
Outlet sealed pipe at liquid side		(ø9.5) 1pc	(ø9.5) 3pcs
Header sealed pipe at liquid side		(ø15.9) 1pc	(ø15.9) 1pc

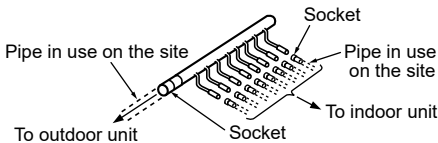
CONNECTING METHOD

- Select and install the socket that matches the diameter of a pipe to be connected to the indoor unit.
- The branching pipe suction gas side and discharge gas side are classified with the name label. Please confirm the name label so as not to make a mistake.

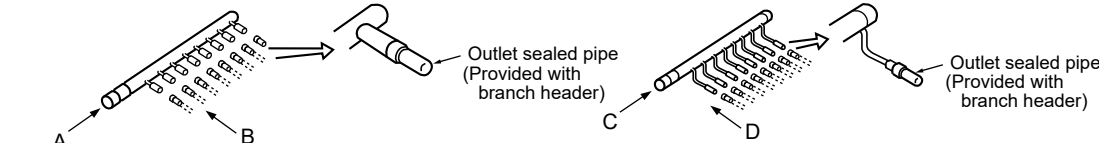
<Suction/Discharge gas side>



<Liquid side>

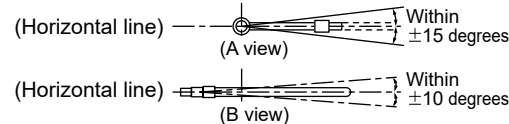


- If the number of indoor units to be connected is fewer than the maximum number of units that can be connected to the branching header, attach a sealed pipe to the unused connectors.



- Install the branching header so that it branches horizontally.

<Suction/Discharge gas side>



<Liquid side>



When arranging the branching header at the liquid side, attach a header sealed pipe on the sealing side of the header as shown in the figure at right. Be sure to install the branch pipe downward. Horizontal viewed from D point should be within ± 10 degrees same as view B.

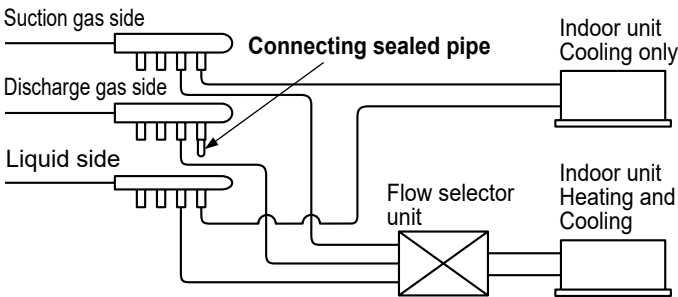
- Supporting branching header
After applying the insulation, set the hanging metals as support. (in use on the site).

NOTE :

1. Install the branching header so that it branches horizontally. It cannot be used in a vertical position.
2. Do not use T-type pipe for the branching section.

Example of the connection method to indoor unit

- When connecting cooling only indoor unit, attach a sealed pipe to the unused connectors of the branching pipe of discharge gas side.



◆ REQUIREMENT ◆

Condensation may occur on the heat insulator according to the atmosphere inside of the ceiling. If the inside of the ceiling is subject to high temperature and high humidity, please add the glass wool (16 to 20 kg/m³, 10mm thick or more) on the heat insulator described above for the perfect heat insulation.