CZ-P4HPC2, CZ-P4HP2C2, CZ-P4HP1C2 (for R410A)

Header Tube Installation





• Size of connection joint on each part (shown are inside diameter of tubing)

ich
1/2
1/4
1/8
1
/8
/4
/8
/2
/8
/4

Check!

Confirm the parts supplied in the header tube set. The content shows as shown in the table below.

	Content
Part No.1	Header tube to gas side
Part No.2	Header tube to liquid side
Part No.3	Insulator for part No.1
Part No.4	Insulator for part No.2
Part No.5	Reducer(attached to P4HP2C2)
Part No.6	Reducer(attached to P4HP2C2)
Part No.7	Reducer(attached to P4HPC2)
Part No.8	Reducer(attached to P4HPC2)
Part No.9	Reducer(attacked to P4HP2C2)
Part No.10	Reducer(attached to P4HP1C2)
Part No.11	Reducer(attached to P4HP1C2)

Installation

• Be sure to handle the header tube in the correct direction as shown below.

<Horizontal use>

• Be sure to use the tube in the 15-degree to 30-degree tilt position. Regarding the branch tube of the indoor unit side, raise the tube correctly as shown in "Horizontal sideways use" and joint the tube sideways.

Horizontal sideways use



Horizontal upward use



To outdoor unit

7. Optional Parts

<Vertical use>



• Cut off the header tube by the pipe cutter according to meet the demand of the local tube size selected in consideration of the total amount of indoor units.

(It is not necessary to cut off the tube if it is identical to the tip of the size.)

NOTE

Do not forcibly cut off the tube to escape deformation. (If doing so, connection tube cannot be inserted.) When selecting the size, refer to "Installation Instructions" supplied with the outdoor unit.

- When using with 3 indoor units, cut off the tube and joint in the position fitted to the refrigerant tubing size at the side of 3 indoor units. When not to use some of the header tubes, leave as-is.
- When using with 5 to 8 indoor units, joint two header tubes as shown below.

In case of using header tube :

Tube cutting portion :



- After cutting off the tubing, carefully remove burrs from the cut cross section of the tube and make a smooth finish. (If there is any hollow on the tube, enlarge the opening port by a mechanical pipe expander.)
- Use the supplied reducer according to the tube size from the side of outdoor unit. In this case, braze it in the local field.
- Check that there is no foreign substance inside the branch tube.
- Use the supplied insulator for the insulation of the branch tube.
 (When using other than that, be sure to insulate it to tolerate the temperature of more than 120°C.)
- For the details, refer to "Installation Instructions".

Request for Replacement of Nitrogen When Brazing

If the replacement of nitrogen was not carried out when brazing the refrigerant tube of the outdoor unit and indoor unit, oxidized scale occurs and the motor valve and strainer become clogged.

This will cause malfunction. It is necessary to replace the air in the tube with the nitrogen gas when brazing the tube and prevent the trouble caused by the oxidized scale.