

REFRIGERANT BRANCH KIT [SEPARATION TUBE] INSTALLATION INSTRUCTION SHEET

(PART NO. 9379275019)

- This manual describes the "Installation Specifications for Separation Tube Kits". For the "outdoor unit", refer to the Installation Instruction Sheet supplied with the outdoor unit, and for the "indoor unit", refer to the Installation Instruction Sheet supplied with the indoor unit.
- Please read this Installation Instruction Sheet thoroughly prior to installation, and perform the installation work in accordance with the instructions.
- Before performing the installation work, thoroughly read the "Safety Precautions" in the Installation Instruction Sheet supplied with the outdoor unit, and work accordingly.
- After installing the unit, perform a test run to make sure the unit operates normally. Then, explain to the customer how to operate and maintain the unit in accordance with the Operation Manual (supplied with the indoor unit).
- Hand this Installation Instruction Sheet, together with the Operation Manual, to the customer. Request the customer to keep them on hand.

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SELECTION PROCEDURE

For details on the selection of the separation tube kits, refer to the Installation Manual supplied with the outdoor unit or the DESIGN & TECHNICAL DATA.

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INSTALLATION PROCEDURE

1. The following table shows the sizes of the inlet and outlet pipes of the separation tubes.

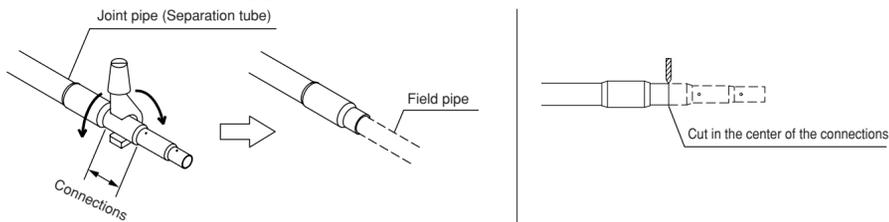
KIT NAME	Gas Pipe	Liquid Pipe	Reducer/Expander
UTR-BP567X			
UTR-BP180X			
UTR-BP090X			

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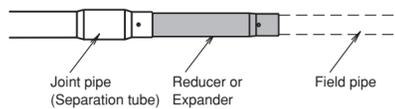
PARTS LIST

KIT NAME	Description				
	Gas Pipe	Liquid Pipe	Reducer/Expander	Insulation	Binder
UTR-BP567X			 1 pcs	 Large 1 pcs Small 1 pcs	 Large 2 pcs Small 2 pcs
			 1 pcs		
			 1 pcs		
			 1 pcs		
UTR-BP180X			 1 pcs	 Large 1 pcs Small 1 pcs	 4 pcs
			 1 pcs		
			 1 pcs		
UTR-BP090X			 Large 1 pcs Small 1 pcs	 Large 1 pcs Small 1 pcs	 4 pcs
			 1 pcs		

2. Select the connections with the pipe diameters that match the selected pipe sizes from the separation tubes, and cut them with a pipe cutter.



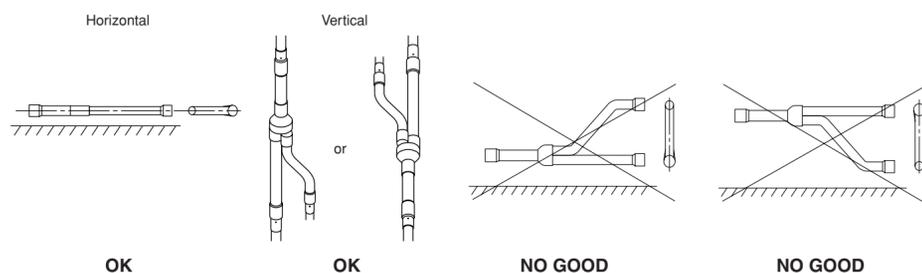
When the pipe size of the separation tube itself does not match, or when piping sizes differ even if it cuts the pipe, use attached Reducer or attached Expander.



CAUTION

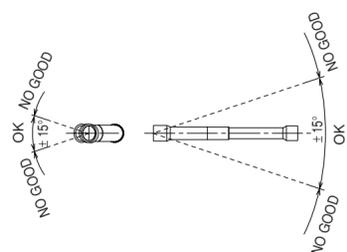
Use a pipe cutter to cut a pipe. Point the pipe downward while deburring so that cutting chips will not enter inside the pipe.

3. Place the separation tubes horizontally or vertically so that the refrigerant separates evenly.



CAUTION

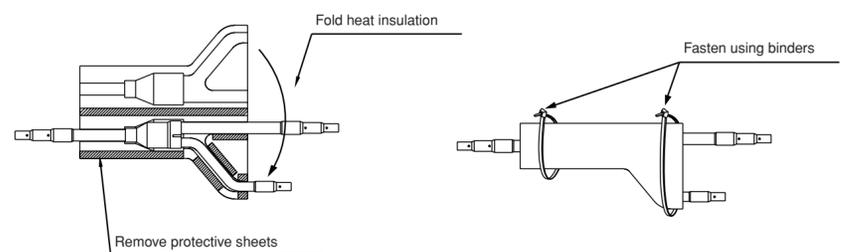
If it is placed horizontally, keep it within $\pm 15^\circ$. Otherwise, it will not separate the refrigerant evenly, causing a reduction in performance.



- During piping work, apply nitrogen gas while brazing the pipes. If pipes are brazed without applying nitrogen gas, it will create a large amount of oxidation film, which will cause a critical malfunction.
- To prevent moisture or foreign matter from entering during work, do not leave the piping open.
- Refer to the Installation Manual supplied with the outdoor unit for airtightness test and evacuation procedures.

4. After brazing the pipes, use the supplied insulation to insulate them.

- Remove the protective sheet from the double-stick tape that is affixed to the heat insulation.
- Fold the heat insulation and use binders to secure the 2 locations.
- Use tape (locally procured) to seal the seam so that there will be no gap at the junction between the aforementioned heat insulation and the heat insulation on the local piping.



CAUTION

As with the gas pipes, fully insulate the liquid pipes. Unless they are thermally insulated, water condensation can cause accidents or reduction in performance.