

HEADER INSTALLATION MANUAL

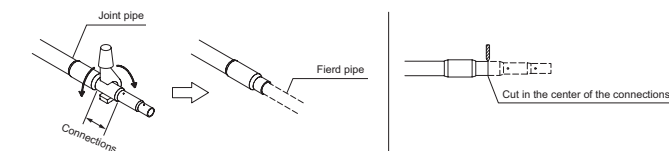
(PART NO. 9371636061-04)

- This manual describes the "Installation Specifications for Header Sets". For the "outdoor unit", refer to the Installation manual supplied with the outdoor unit, and for the "indoor unit", refer to the Installation manual supplied with the indoor unit.
- Please read this Installation manual 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 manual 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 manual, together with the Operation manual, to the customer. Request the customer to keep them on hand.

1 PARTS LIST

Kit Name	Description	Unit: mm (in.)
UTR-H1808L	Gas Pipe	Expander
	Liquid Pipe	Closed Pipe
	Insulation	Binder
	Large 1 pcs	Reducer
	Small 1 pcs	Reducer
UTR-H1806L	Gas Pipe	Expander
	Liquid Pipe	Closed Pipe
	Insulation	Binder
	Large 1 pcs	Reducer
	Small 1 pcs	Reducer
UTR-H0908L	Gas Pipe	Expander
	Liquid Pipe	Closed Pipe
	Insulation	Binder
	Large 1 pcs	Reducer
	Small 1 pcs	Reducer
UTR-H0906L	Gas Pipe	Expander
	Liquid Pipe	Closed Pipe
	Insulation	Binder
	Large 1 pcs	Reducer
	Small 1 pcs	Reducer

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.



- Use expanders as necessary.



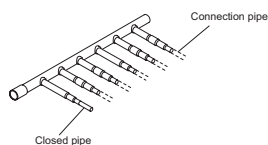
CAUTION

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

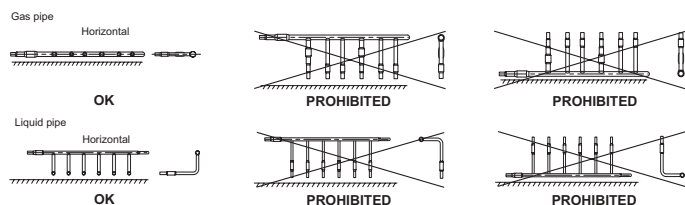
3. To connect pipe joints from the indoor unit, do so in the following order: 1, 2, 3 ...



4. Install the supplied closed pipes to the header outlets that will remain unused.



5. Place the Header horizontally so that the refrigerant separates evenly. They cannot be used vertically.



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SELECTION PROCEDURE

For details on the selection of the Header, refer to the Installation manual supplied with the outdoor unit or the DESIGN & TECHNICAL MANUAL.

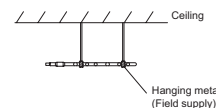
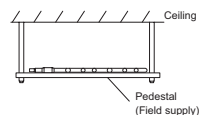
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INSTALLATION PROCEDURE

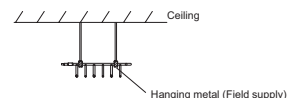
1. The following table shows the sizes of the inlet and outlet pipes of the Header.

Kit Name	Description	Unit: mm (in.)
UTR-H1808L	Gas Pipe	Expander
	Liquid Pipe	Reducer
	DETAIL A	DETAIL B
	DETAIL A	DETAIL B
UTR-H1806L	Gas Pipe	Expander
	Liquid Pipe	Reducer
	DETAIL A	DETAIL B
	DETAIL A	DETAIL B
UTR-H0908L	Gas Pipe	Expander
	Liquid Pipe	Reducer
	DETAIL A	DETAIL B
	DETAIL A	DETAIL B
UTR-H0906L	Gas Pipe	Expander
	Liquid Pipe	Reducer
	DETAIL A	DETAIL B
	DETAIL A	DETAIL B

- Header support
Gas side header
After insulating the header, place it on a pedestal (field supply) or support it with a hanging metal (field supply).

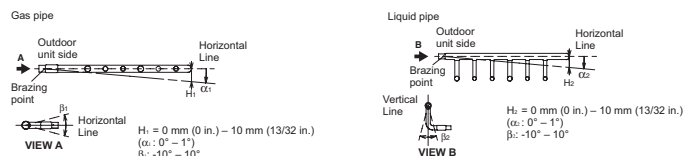


- Liquid side header
After insulating the header, support it with a hanging metal (field supply).



CAUTION

Place the header horizontally as shown below. Unless it is placed horizontally, it will not separate the refrigerant evenly, which will cause a reduction in performance. Use a level to make sure it is placed horizontally.



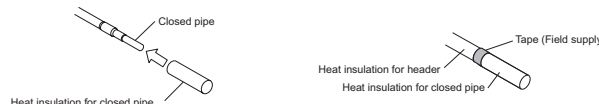
- During piping work, apply nitrogen gas while brazing the pipes. If pipes are brazed without applying nitrogen gas, it will create a large amount of oxidation film, which will cause a critical malfunction.
- To prevent moisture or foreign matter from entering during work, do not leave the piping open.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

6. 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 5 locations.
- Use tape (field supply) 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.



- Use the supplied heat insulation to also insulate the closed pipes.
- Use tape (field supply) to seal the seam so that there will be no gap at the junction between the closed pipe heat insulation and the header heat insulation.



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.