

SEPARATION TUBE KIT

INSTALLATION MANUAL

For authorized service personnel only.

PART NO. 9371636290-02



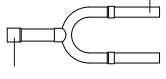
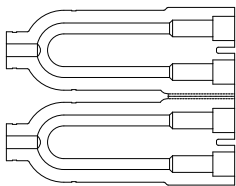
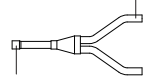
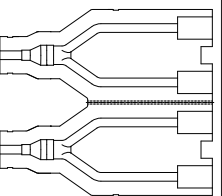
1. SAFETY PRECAUTIONS

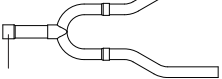
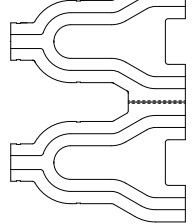
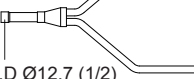
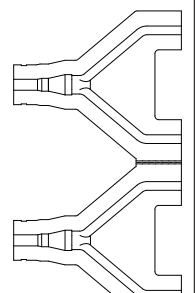
⚠ CAUTION

- This manual describes the "Installation Specifications for Separation Tube Kits". For the "RB unit", refer to the Installation manual supplied with the RB 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 RB 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 Operating Manual (supplied with the indoor unit).
- Hand this Installation manual, together with the Operating Manual, to the customer. Request the customer to keep them on hand.

2. ABOUT THIS UNIT

2.1. Parts list

	Gas side		Liquid side		Reducer
	Gas pipe	Insulation	Liquid pipe	Insulation	
UTP-EX060A (For 2-port merging)	mm (in.) O.D Ø15.88 (5/8)  I.D Ø19.05 (3/4)		mm (in.) O.D Ø9.52 (3/8)  I.D Ø9.52 (3/8)		mm (in.) O.D Ø19.05 (3/4) I.D Ø15.88 (5/8) 1 piece
	1 piece	1 piece	1 piece	1 piece	Cable tie
					 6 pieces

	Gas side		Liquid side		Cable tie
	Gas pipe	Insulation	Liquid pipe	Insulation	
UTP-EX096A (For 4-port merging)	mm (in.) O.D Ø19.05 (3/4)  I.D Ø22.22 (7/8)		mm (in.) O.D Ø9.52 (3/8)  I.D Ø12.7 (1/2)		 1 piece
	1 piece	1 piece	1 piece	1 piece	

3. SELECTION PROCEDURE

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

4. INSTALLATION PROCEDURE

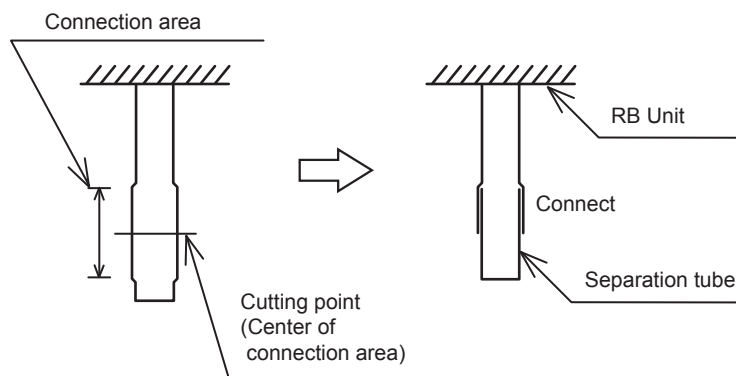
⚠ CAUTION

- Do not mistake the direction of connection.
- Please do not install it in outdoor.
- For the restrictions of connection pipe, please follow the Installation manual of RB unit.

(1) Cut the indoor side pipe of the RB unit with a pipe cutter.

Liquid pipe : $\phi 6.35$ (1/4") $\rightarrow$ $\phi 9.52$ (3/8")

Gas pipe : $\phi 12.7$ (1/2") $\rightarrow$ $\phi 15.88$ (5/8")



NOTE: Insert the separation tube firmly until it touches the RB unit pipe.

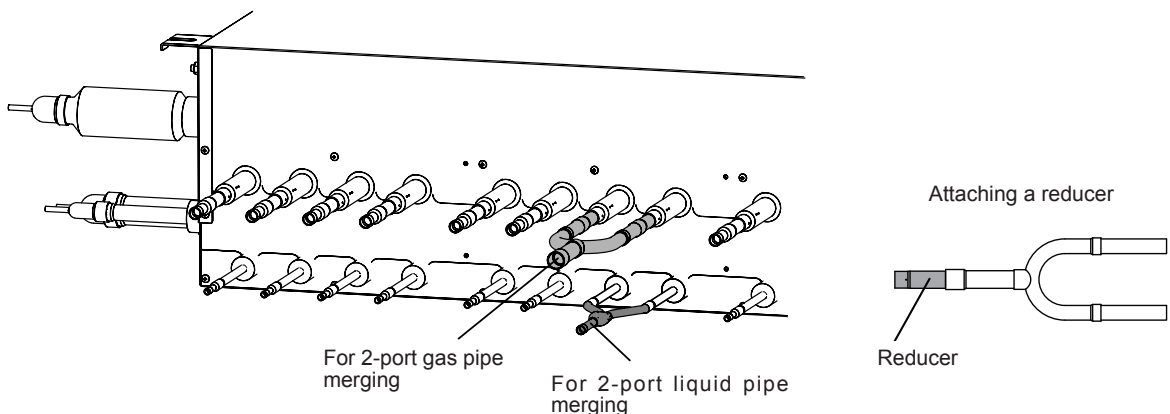
⚠ CAUTION

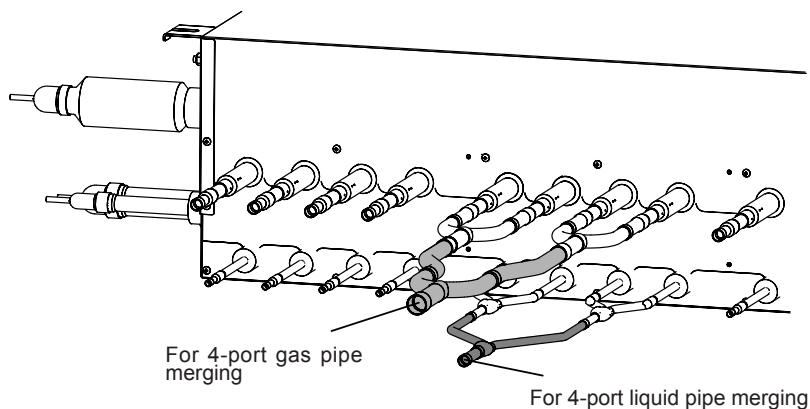
- Use a pipe cutter to cut the pipe. When removing burrs after pipe cutting, make sure that loose particles do not get into the pipe.

(2) Connecting the separation tube kit.

⚠ CAUTION

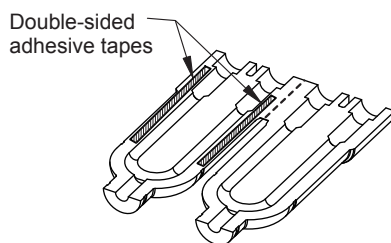
- Refer to the RB Unit Installation Manual for the list of RB unit separation tube kits that can be used for branch merging.
- If the pipe diameter of the separation tube kit does not match that of the mating pipe, use a reducer (included in the package).
- To connect an indoor unit with a capacity exceeding 18.0kW, two sets of UTP-EX060A and one set of UTP-EX096A are required.





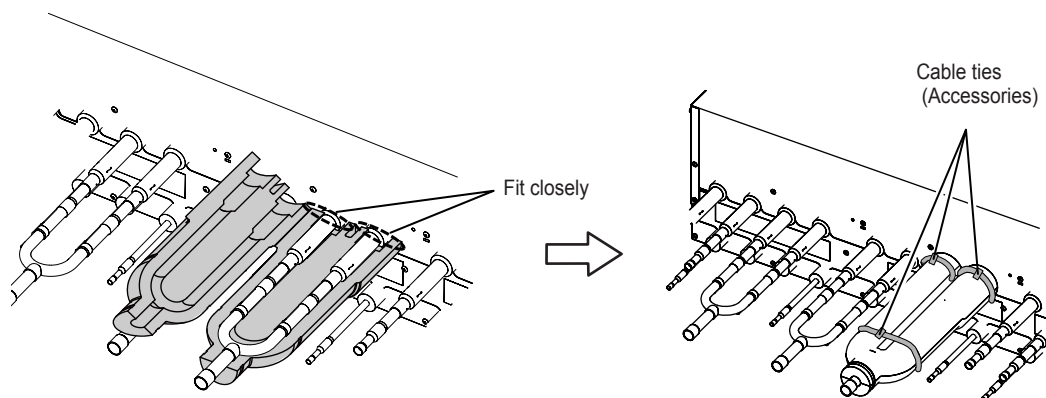
(3) Installing insulation (common to 2-port and 4-port and also to liquid and gas piping)

- ① Remove the protective sheet from the double-sided adhesive tape attached to the separation tube insulation.

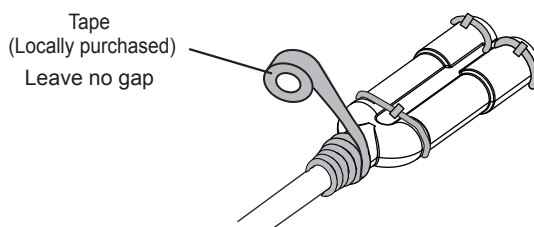


- ② Fit the separation tube insulation on both sides of the separation tube, and fix the groove and the overlap between the separation tube insulation and the unit insulation with cable ties (available as accessories).

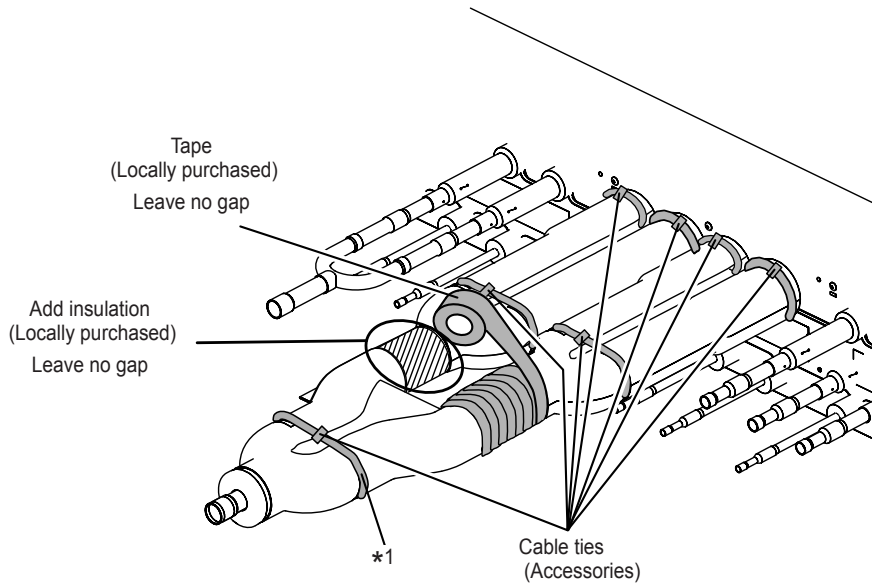
Make sure that the ends of the separation tube insulation closely fit the RB unit.



- ③ Apply a sealing tape (locally purchased) so as to leave no gap between the separation tube insulation and the on-site piping insulation.



- ④ Fit additional insulation (locally purchased) to close any gap between the 2-port and the 4-port separation tube insulations, and seal the joints over with a sealing tape (locally purchased). (4-port type only)



*1 : Cable tie installation is not necessary on the separation tube insulation for 4-port liquid pipe merging.

CAUTION

- Be sure to install the heat insulation on liquid pipes and gas pipes. Unless they are thermally insulated, water condensation can cause accidents or reduction in performance.
- After installing the heat insulation, if you worry about possible condensation due to the high humidity of installation position, please use locally procured heat insulation to reinforce insulation.

(4) Refer to the Installation Manual provided with the RB unit for wiring connection and on-site settings.