

# VRV-WII Series

Please be sure to read before installation and follow the instructions carefully when performing installation work.

1P155866-1A

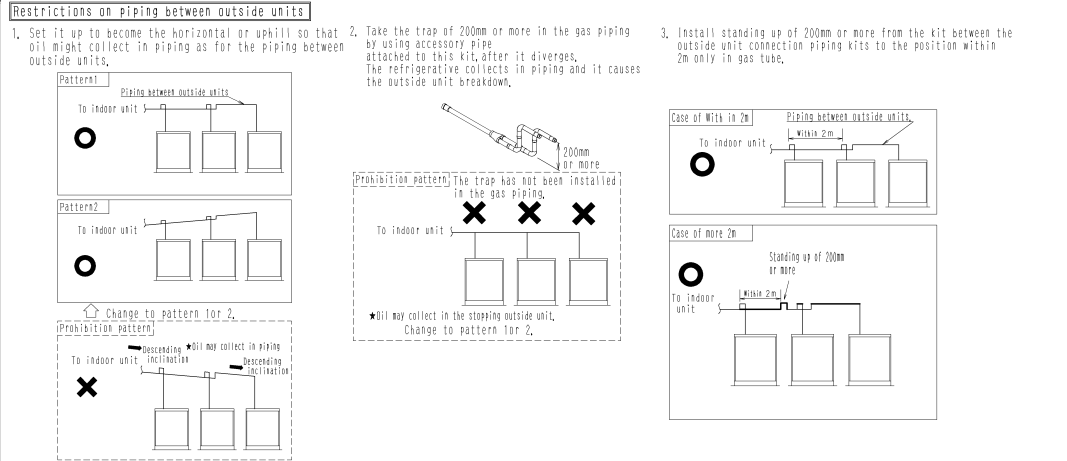
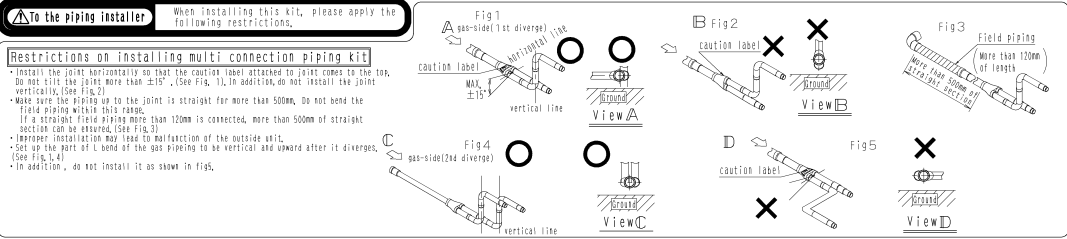
## Outside unit Multi Connection Piping Kit Installation Manual

BHFP22MA56・84

Kit name	SHAPE						
	Gas-side joint	Liquid-side joint	Gas-side reducer	Gas-side accessory pipe	Liquid-side reducer	Insulating tape for gas pipe	Insulating tape for liquid pipe
BHFP22P56							
BHFP22P84							
Quantity	2pc	2pc	1pc	2pc	2pc	1pc	1pc

**Caution**

- Please be sure to read this manual before installation and follow the instruction carefully when performing installation work.
- See the outside unit's installation manual for outside unit installation.
- Installation of interconnecting piping between the outside and indoor units, REFNET joint or REFNET header will be needed separately.



### BHFP22MA56 Installation Instructions

**Caution** There are some restrictions on the interconnecting piping between the outside units. See the installation manual attached to the outside units and make sure to carry out proper piping. If the piping restrictions are not observed, it may result in breakdown of the unit.

**Connecting pipe sizes and location of cutting the joint**

Main pipe (units:mm)		Pipe between the Outside unit Multi Connection Piping kit and the outside unit (units:mm)	
Pipe size (O.D. x min. thickness (temp. grade))	Gas pipe	Liquid pipe	Gas pipe
φ28, 6X0, 99(10H)	φ15, 3X0, 89(0)	φ15, 3X0, 89(0)	φ15, 3X0, 89(0)

**Cutting procedure**

- Use pipe cutter for cutting.
- Cut near the center of the connection area.

## 1 Installation examples Procedure for upper connection

### 1-1 Connection of gas and liquid pipes

Please be sure to read **Restrictions on installing multi connection piping kit** and **Restriction on piping between outside units.**

- Connect the gas and liquid pipes as shown in the figure at the right. (When connecting the pipes, first connect the gas-side joint, the gas-side accessory pipe and the gas-side reducer, the liquid-side joint and the liquid-side reducer.)
- See the caution section in the installation manual attached to the outside unit for brazing pipes and connecting pipes with flare nuts.
- Install the joint in such a way that the attached face of the caution label becomes horizontal (See the View A).

### 2 The work after the kit is connected

**Connection of piping between the outside unit and the indoor unit**

**Air tight test**

**Insulation of joints**

- Fit the insulation to the reducer and temporarily keep it in place with tape.
- Fit the insulation to the joint and temporarily keep it in place with tape without leaving a gap between the insulation mating faces. (See the figure at the right.)
- Seal the seam between the insulation and the field supply piping insulation with the field supply tape.
- Wrap the tape around the insulation attached to the joint without leaving a gap.

### BHFP22MA84 Installation Instructions

**Caution** There are some restrictions on the interconnecting piping between the outside units. See the installation manual attached to the outside units and make sure to carry out proper piping. If the piping restrictions are not observed, it may result in breakdown of the unit.

**Connecting pipe sizes and location of cutting the joint**

Main pipe (units:mm)		Pipe between the Outside unit Multi Connection Piping kit and the outside unit (units:mm)	
Pipe size (O.D. x min. thickness (temp. grade))	Gas pipe	Liquid pipe	Gas pipe
φ34, 9X1, 21(10H)	φ15, 3X0, 89(10H)	φ15, 3X0, 89(10H)	φ15, 3X0, 89(10H)

**Cutting procedure**

- Use pipe cutter for cutting.
- Cut near the center of the connection area.

## 1 Installation examples Procedure for upper connection

### 1-1 Connection of gas and liquid pipes

Please be sure to read **Restrictions on installing multi connection piping kit** and **Restriction on piping between outside units.**

- Connect the gas and liquid pipes as shown in the figure at the right. (When connecting the pipes, first connect the gas-side joint, the gas-side accessory pipe, and the gas-side reducer, the liquid-side joint and the liquid-side reducer.)
- See the caution section in the installation manual attached to the outside unit for brazing pipes and connecting pipes with flare nuts.
- Install the joint in such a way that the attached face of the caution label becomes horizontal (See the View A).

### 2 The work after the kit is connected

**Connection of piping between the outside unit and the indoor unit**

**Air tight test**

**Insulation of joints**

- Fit the insulation to the reducer and temporarily keep it in place with tape.
- Fit the insulation to the joint and temporarily keep it in place with tape without leaving a gap between the insulation mating faces. (See the figure at the right.)
- Seal the seam between the insulation and the field supply piping insulation with the field supply tape.
- Wrap the tape around the insulation attached to the joint without leaving a gap.