

22/7 ENTERPRISE

DA Series Refrigerant Branch Piping Kit Installation Manual

A Future-Ready Indian company

This kit includes the following part:

Model Number	Gas Side Joint	Liquid Side Joint	Gas Side Insulat ion	Liquid Side Insula tion	Gas Side Reducer	Liquid Side Reducer
Pi-22T	*	*	1 pcs.	1 pcs.	O.D. Ø15.88 AD Ø19.05 O.D. Ø19.05 AD Ø22.22	Not Required
Pi-33T			1 pcs.	1 pcs.	O.D © 19.05 1.D © 22.22 O.D © 15.88 A.D © 19.05 O.D © 22.22 A.D © 25.4	Not Required
Pi-72T			1 pcs.	1 pcs.	O.D Ø 19.05	O.D Ø15.88 J.D Ø19.05
Pi-73T			1 pcs.	1 pcs.	OD Ø19.05 D Ø22.2 OD Ø25.4 D Ø28.58 OD Ø31.75 OD Ø31.75 OD Ø31.75 OD Ø31.75 OD Ø31.75	I.D Ø12.7 O.D Ø15.88



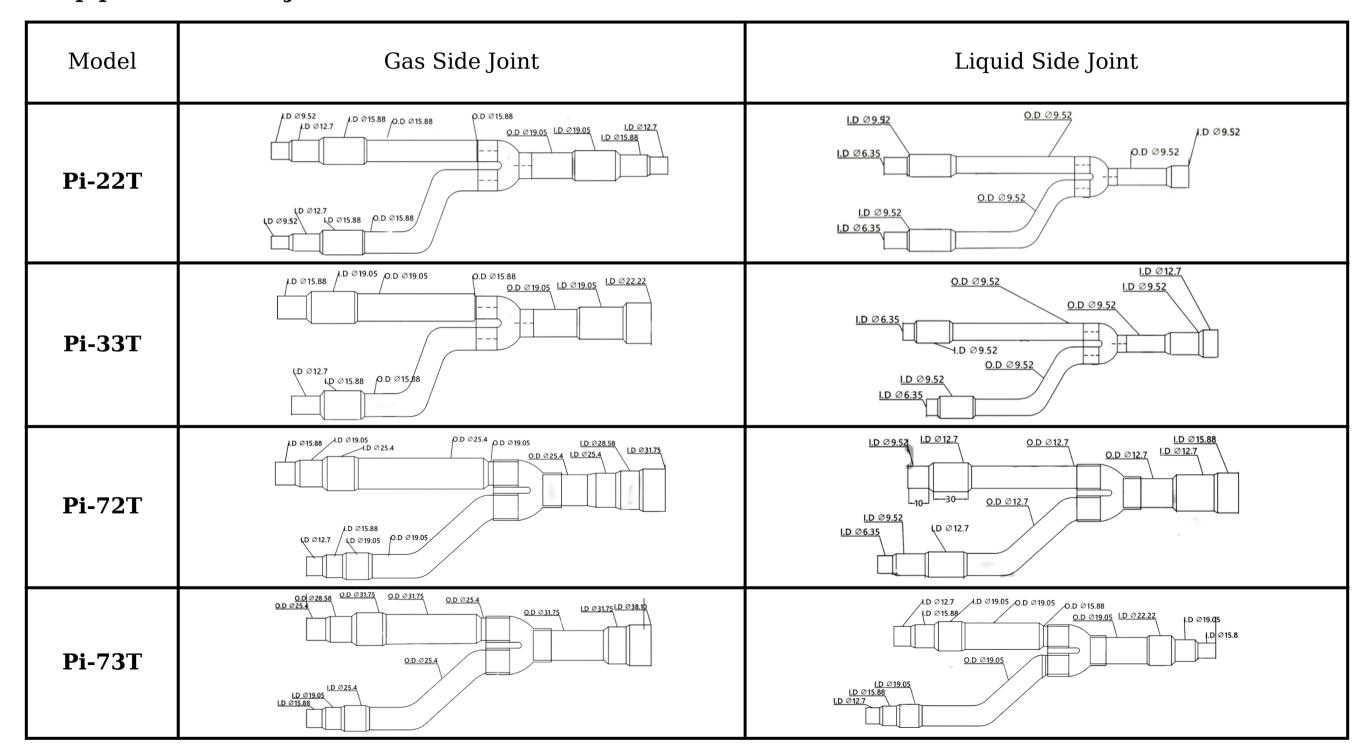
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Selection of the joints will be according to the installation manual of outdoor unit.

Installation Procedure:

1. The pipe size of each joint is shown as below.





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2. According to selection procedure, cut the pipe with a pipe cutter for use.

For example: Pi-22T

Gas Side Joint

Field Pipe $\Phi \ 19.1 \ \text{or} \ \Phi \ 15.9$ Outlet 1

To next joint or indoor unit

Field Pipe $\Phi \ 15.9 \ \text{or} \ \Phi \ 12.7$ Field Pipe

To outdoor unit $\Phi \ 22.2 \ \text{or} \ \Phi \ 19.1$

Please note for the size of outlet 1 is Φ 22.2 or the size of outlet 2 is Φ 19.1

To next joint or indoor unit

Outlet 1

Field Pipe

Outlet 2 Φ 9.5 or Φ 6.4

Field Pipe

 Φ 12.7 or Φ 9.5

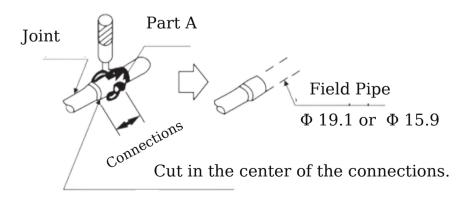
Liquid Side Joints

For the size of inlet is Φ 9.5 or the size of outlet 1 is Φ 9.5, the size of outlet 2 is Φ 9.5.

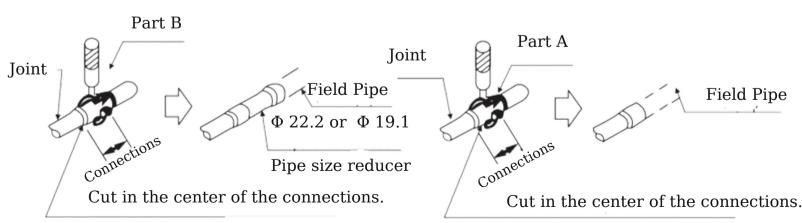
--Cut the pipe with a pipe cutter.

For the size of inlet is Φ 19.1 or the size of outlet 1 is Φ 19.1, the size of outlet 2 is Φ 15.9.

--Cut the pipe with a pipe cutter.



Cut in the center of the part A and connect a field pipe.



To outdoor unit

Cut in the center of the part B, and use pipe size reducer and connect a field pipe.

Cut in the center of the part A and connect a field pipe.



• Our joints undergo nitrogen purging, ensuring a dirt- and bur-free surface for an exceptionally smooth brazing process.

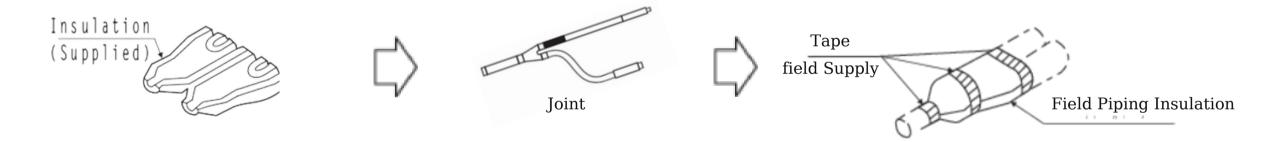
Note: Make sure to flow nitrogen gas through the pipe when brazing process is carried out.

• We use certified 2% silver brazing rods, ensuring our joints remain leakproof, even under 5.2 MPa pressure testing in our in-house facility.

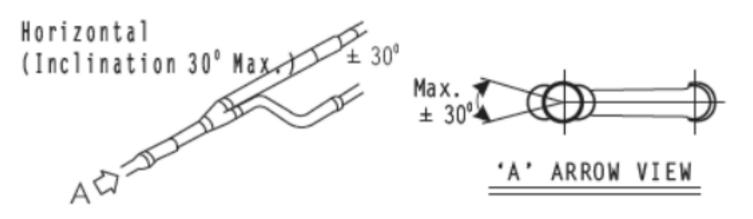
3.Insulation of Joint - Be certain to insulate the joints.

Note: The piping insulation must be strengthened according to the installation environment. Otherwise, condensation may form on the surface of the insulation.

--For both gas side and liquid side: Ensure the insulation matches the joint, then tightly wrap the field-supplied tape from the center without gaps on the insulation's matching surface. Seal the joint between the insulation and field piping with the tape.



Installation Precautions: Install the joint so that it is branched vertically or horizontally.



Note: Don't apply any extra pressure.

Vertica

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