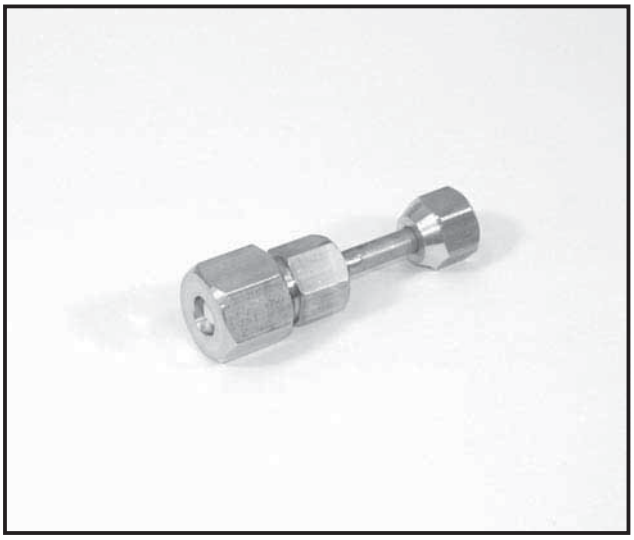
Joint Pipe Unit ϕ6.35 → Pipe ϕ9.52 PAC-493PI

Photo



Descriptions

A part to connect refrigerant pipes of the different diameter. (Unit ϕ6.35 → ϕ9.52)

Applicable Models

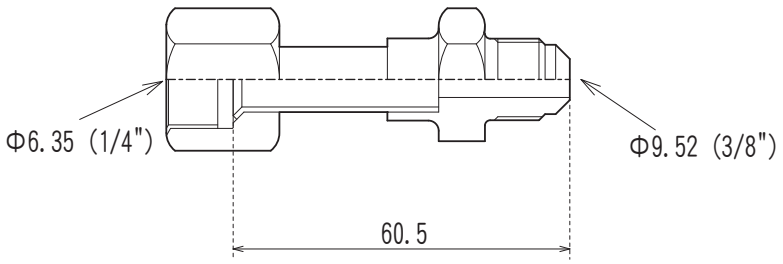
- MXZ-4A80VA
- MXZ-5A100VA
- MXZ-8A140VA
- PAC-AK30BC
- PAC-AK50BC

Specifications

Pipe diameter	Φ 6.35
Pipe material	C 1220T - OL

Dimensions

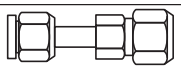
Unit : mm (inch)



How to Use / How to Install

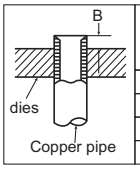
Make sure that you have all the following parts, in addition to this manual in this box:

Joint Pipe
- PAC-SG76RJ-E (unit side: Φ9.52 diameter, onsite pipe side: Φ15.88 diameter)
- PAC-493PI (unit side: Φ6.32 diameter, onsite pipe side: Φ9.52 diameter)
- MAC-A454JP-E (unit side: Φ9.52 diameter, onsite pipe side: Φ12.7 diameter)
- MAC-A455JP-E (unit side: Φ12.7 diameter, onsite pipe side: Φ9.52 diameter)
- MAC-A456JP-E (unit side: Φ12.7 diameter, onsite pipe side: Φ15.88 diameter)

Unit side  Onsite piping side

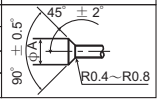
Installation procedure
(carefully read the following before installing.)
This optional part is used to connect indoor/outdoor unit to onsite pipes of different diameters.
※When installing this optional part, be sure to read "Refrigerant pipe connection" in the installation manual attached to outdoor unit.

1) Apply flare processing to onsite pipes to adapt to R410A, according to the table on the right.Use optional accessory flare nut at this time.
※Check the installation manual attached to the outdoor unit for advisability on whether or not onsite (existing) pipes can be used.

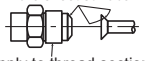


Pipe diameter (mm)	B size (mm)	
	R410A flare tool	R22/R407C flare tool
	Clutch type	
φ 6.35 (1/4")	0~0.5	1.0~1.5
φ 9.52 (3/8")	0~0.5	1.0~1.5
φ12.70 (1/2")	0~0.5	1.0~1.5
φ15.88 (5/8")	0~0.5	1.0~1.5

※When flare processing for refrigerant R410A is applied using current tool, refer to the table above. B size can be secured using copper pipe gauge for margin adjustment.

Outer diameter of copper pipe (mm)	Processing size of flare section (mm)	Flare shape
φ6.35	8.7~9.1	
φ9.52	12.8~13.2	
φ12.70	16.2~16.6	
φ15.88	19.3~19.7	

2) Remove caps (both ends) for protection against mixing of foreign materials from optional part, and thinly apply refrigerat or oil (locally procured) on flare surface.

Refrigerator oil application point
Apply refrigerator oil to entire circumference of flare sheet surface.  ※ Do not apply to thread section. (If applied to threads, flare nut can easily be loosened.)

3) Securely tighten flare nut using torque wrench according to the table on the right.

〈Proper tightening torque using torque wrench〉

Outer diameter of copper pipe (mm)	Tightening torque N・m (kgf・cm)
φ6.35	14~18(140~180)
φ9.52	34~42(340~420)
φ12.70	49~61(490~610)
φ15.88	68~82(680~820)

4) After refrigerant pipe is connected, be sure to perform gas leakage inspection for onsite connection pipes (including this optional part) and indoor/outdoor unit.

5) Heat insulation is necessary for this optional part: Wrap heat insulator (locally procured) around the onsite pipes and also the optional part (for dewdrop dripping prevention).

6) Perform test run according to the installation manual of the unit, making sure to also perform operation check.

OPTIONAL PARTS