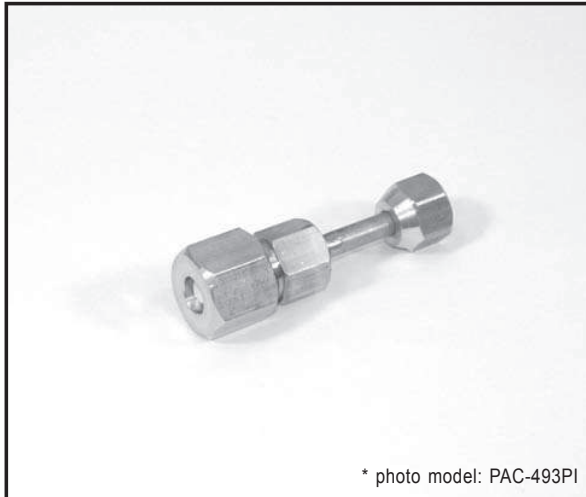




### Photo



\* photo model: PAC-493PI

### Descriptions

A part to connect refrigerant pipes of the different diameter.  
(Unit  $\phi 12.7 \rightarrow \phi 15.88$ )

### Applicable Models

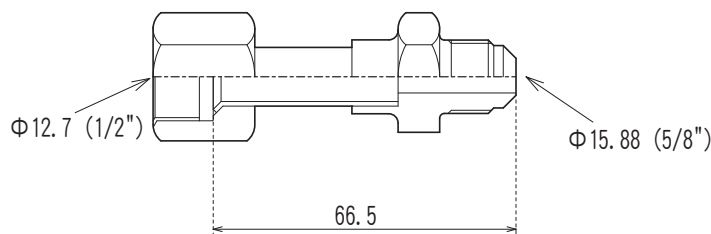
■ MXZ-4A71VA	■ MXZ-8A140VA
■ MXZ-4A80VA	■ PAC-AK30BC
■ MXZ-5A100VA	■ PAC-AK50BC

### Specifications

Pipe diameter	$\phi 12.7$
Pipe material	C 1220T - OL

### Dimensions

Unit : mm (inch)

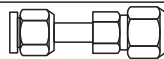


### How to Use / How to Install

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

Joint Pipe  
PAC-SG76RJ-E (unit side:  $\phi 9.52$  diameter, onsite pipe side:  $\phi 15.88$  diameter)  
PAC-493PI (unit side:  $\phi 6.32$  diameter, onsite pipe side:  $\phi 9.52$  diameter)  
MAC-A454JP-E (unit side:  $\phi 9.52$  diameter, onsite pipe side:  $\phi 12.7$  diameter)  
MAC-A455JP-E (unit side:  $\phi 12.7$  diameter, onsite pipe side:  $\phi 9.52$  diameter)  
MAC-A456JP-E (unit side:  $\phi 12.7$  diameter, onsite pipe side:  $\phi 15.88$  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.

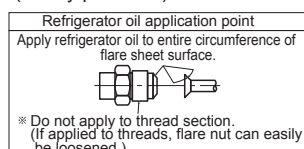
- 1) Apply flare processing to onsite pipes to adapt to R410A, according to the table on the right. Use optional accessory flare nut at this time.  
※ Check the installation manual attached to the outdoor unit for advisability on whether or not onsite (existing) pipes can be used.

Pipe diameter (mm)	B size (mm)	
	R410A flare tool	R22/R407C flare tool
$\phi 6.35$ (1/4")	0~0.5	1.0~1.5
$\phi 9.52$ (3/8")	0~0.5	1.0~1.5
$\phi 12.70$ (1/2")	0~0.5	1.0~1.5
$\phi 15.88$ (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
$\phi 6.35$	8.7~9.1	
$\phi 9.52$	12.8~13.2	
$\phi 12.70$	16.2~16.6	
$\phi 15.88$	19.3~19.7	

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



- 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)
$\phi 6.35$	14~18 (140~180)
$\phi 9.52$	34~42 (340~420)
$\phi 12.70$	49~61 (490~610)
$\phi 15.88$	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