



Photo



Descriptions

Removes minute dirt particles in the refrigerant pipe. Is used when replacing an air-conditioning unit. (for Liquid Pipe of ϕ 12.7)

Applicable Models

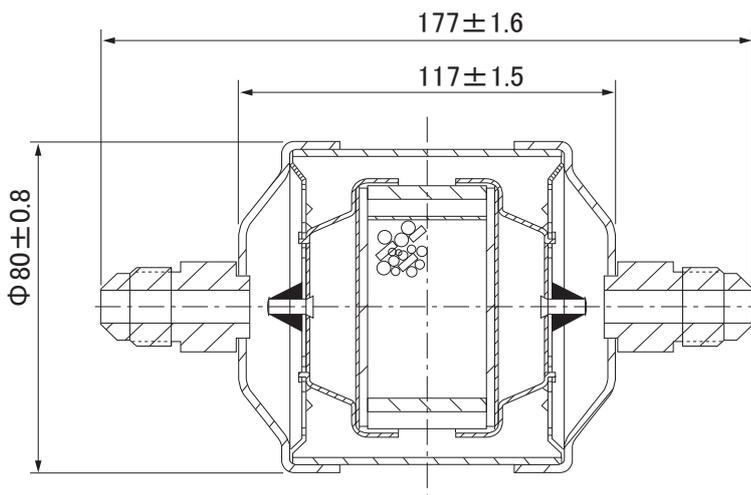
- PUAZ-ZRP250YKA3 ■ PUZ-ZM250YKA
- PUAZ-P250YKA3 ■ PUZ-M250YKA
- PUAZ-SHW230YKA2 [R32 type]
- [R410A type]

Specifications

Pipe size	Liquid side: ϕ 12.7 flare
Applicable refrigerant	R407C / R410A

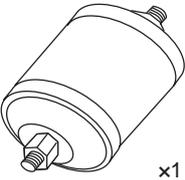
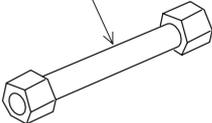
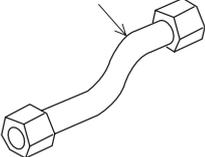
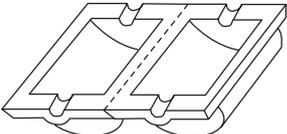
Dimensions

Unit: mm



How to Use / How to Install

Make sure that you have all the following parts.

①Filter dryer	②Connection pipe	③Heat insulator
 x1	With PAC-SG81DR-E (for $\phi 6.35$) or PAC-SG82DR-E (for $\phi 9.52$)  x1 or With PAC-SG85DR-E (for $\phi 12.7$)  x1	 x1

Installation Procedures (carefully read the following before installing)

- Cautions**
- 1) This optional part is used to remove moisture inside the refrigerant pipe and prevent fault of compressor. However, if there is excessive contamination inside the refrigerant cycle, such as a large amount of mixed moisture, etc., the dryer must be replaced after it is used during one season (the amount of allowable moisture absorption: 3-7 cc).
 - 2) Install the filter dryer to refrigerant pipe midway on liquid side, using flare connection.
 - 3) The filter dryer can be attached outside the unit. It can also be attached to the inside of unit only if the space for installation can be secured

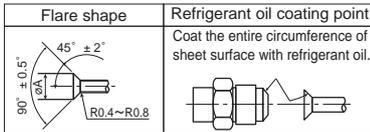
1 Preparations for Installation

- Refer to the installation manual of outdoor unit for the procedures of removing outdoor unit panel, refrigerant piping, vacuuming, etc.
- Removing panel
 - Remove the service panel and cover.
- Connecting pipes
 - When bending pipe, allow enough bending R (R100-150), and take care that the pipe is not folded.
 - Lay out the pipe so that it does not come into contact with the compressor. (Being in contact could cause abnormal sound or vibrations.)
 - Apply flare processing to the connection pipe procured at local site.
 - Thinly coat the flare sheet surface with refrigerant oil (procured at local site).

Pipe diameter (mm)	Dimension B (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
$\phi 12.7$ (1/2")	0 - 0.5	1.0 - 1.5

※Use the above table as a reference when processing the flare for refrigerant R410A using the conventional tool. Dimension B can be secured when using a copper pipe gauge for outgoing margin adjustment.

Outer diameter of copper pipe (mm)	Processing size of flare portion ϕA (mm)
$\phi 6.35$	8.7 - 9.1
$\phi 9.52$	12.8 - 13.2
$\phi 12.7$	16.2 - 16.6

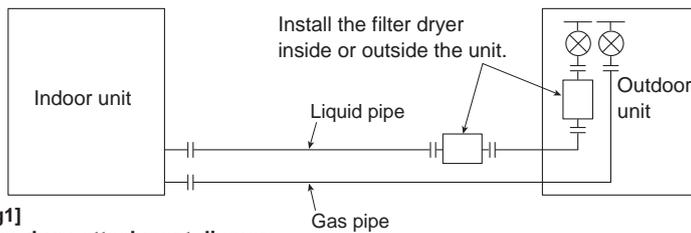


Outer diameter of copper pipe (mm)	〈Appropriate tightening force with torque wrench〉	
	Tightening force N.m (kgf-cm)	
$\phi 6.35$	14 - 18 (140 - 180)	
$\phi 9.52$	34 - 42 (340 - 420)	
$\phi 12.7$	49 - 61 (490 - 610)	

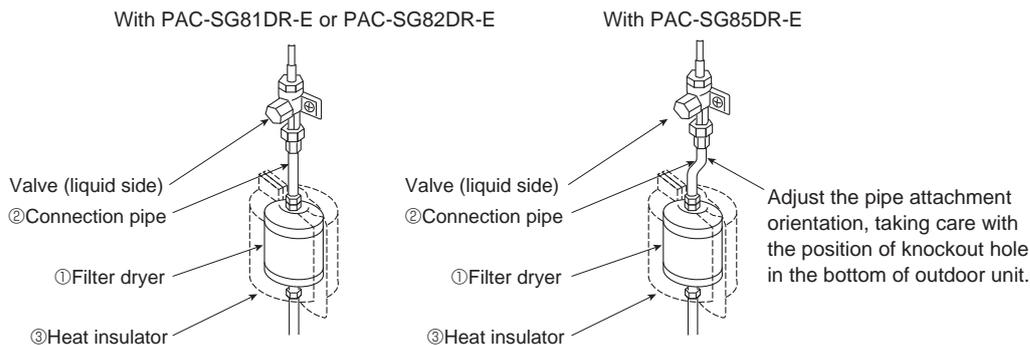
2 Installing Filter Dryer

Be sure to attach the filter dryer on the liquid pipe (narrower one)

- When installing the filter dryer inside the unit, refer to Fig. 1 or Fig. 2 according to the space in unit and install it. If there is no space for the dryer to be installed in unit, install it outside the unit (see Fig. 3).

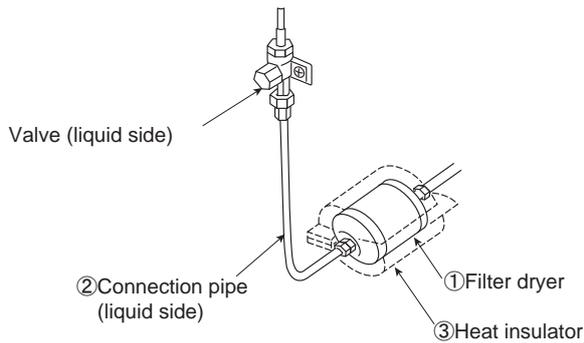


[Fig. 1]
Filter dryer attachment diagram (installing in unit)



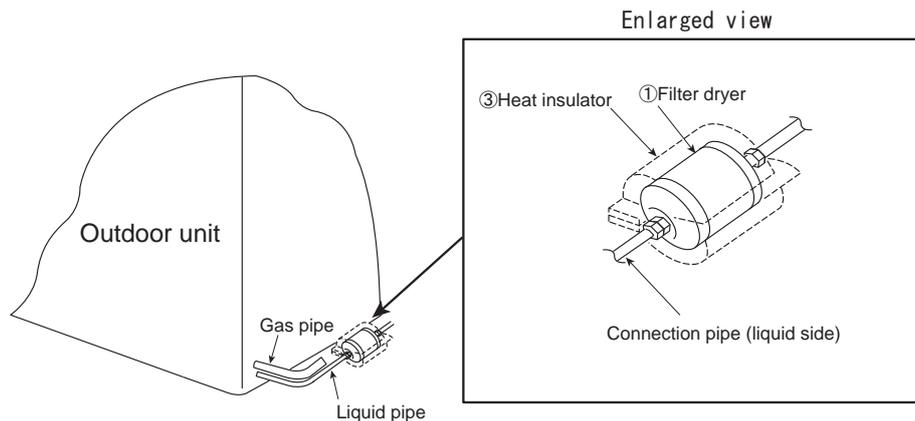
OPTIONAL PARTS

【Fig2】Filter dryer attachment diagram (horizontal attachment in unit)



- ii) When installing the filter dryer outside the unit, attach it to any position of extended pipe.
Procure the connection pipe at local site.

【Fig3】Filter dryer attachment diagram (attachment outside unit)



- iii) Heat insulation (to prevent dripping)
- After attaching the filter dryer, wrap the heat insulator around the dryer.
 - ※Tape the seam of heat insulator so that no gap is produced.
 - Also wrap heat insulator around other pipes.

3 The attachment of filter dryer is now complete.
Reattach the service panels, etc. to the original position.

4 Test Run

- i) Perform test run according to the installation manual of unit, and be sure to execute gas leakage check and operation check.