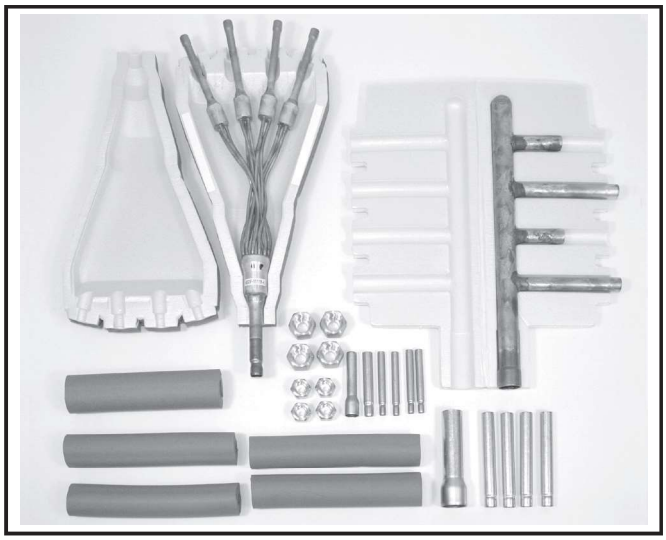
Photo



Descriptions

4-branch pipe for Multi-System Quadruple use. (25:25:25:25)

Applicable Models

- PUHZ-ZRP125VKA3
- PUHZ-ZRP140VKA3
- PUHZ-ZRP125YKA3
- PUHZ-ZRP140YKA3
- PUHZ-ZRP200YKA3
- PUHZ-ZRP250YKA3
- PUHZ-P200YKA3
- PUHZ-P250YKA3

[R410A type]
for 25:25:25:25 Quadruple use

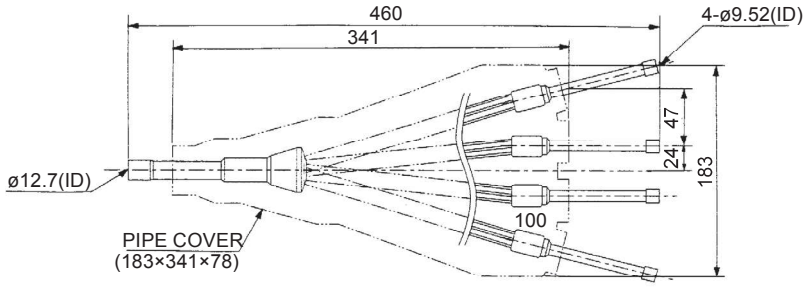
Specifications

Main body	Distribution ratio	Outdoor unit capacity is divided into four (25:25:25:25)
	Number of distribution pipes	1 each for liquid pipe and gas pipe
	Pipe material	Phosphate deoxidized copper C1220T-OL (JIS H3300)
Accessory	Pipe cover	Polyethylene foam molding (for liquid pipe) EPT sponge rubber type (for gas pipe)
	Joint	15 joints (7 types)
	Band	7 bands

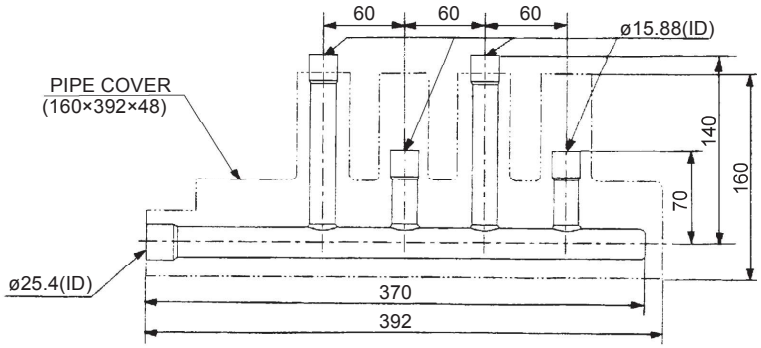
Dimensions

Unit: mm

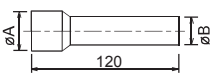
LIQUID PIPE



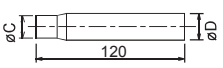
GAS PIPE



JOINT(Accessory)



ØA(ID)	ØB(OD)	Amount
28.6	25.4	1
15.88	12.7	1

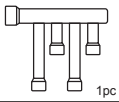
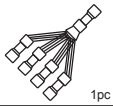
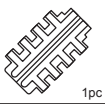
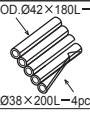
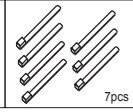


ØC(ID)	ØD(OD)	Amount
12.7	15.88	4
6.35	9.52	4
9.52	12.7	1
15.88	25.4	1
9.52	15.88	4

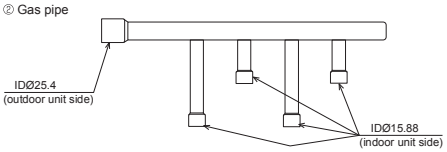
How to Use / How to Install

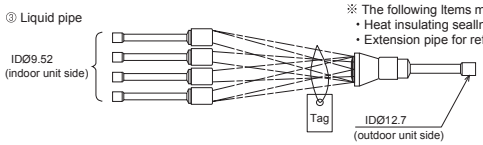
Package Air-conditioner Optional Parts Instruction Sheet for Simultaneous Quadruple Distributing Pipe exclusively used with Free Compo Multi-Units

Make sure that you have all the following parts in packing box before beginning installation:

① Installation manual	② Gas pipe	③ Liquid pipe	④ Pipe cover (gas pipe)	⑤ Pipe covers (liquid pipe)	⑥⑦ Pipe cover	⑧ Band	⑨ Joint	⑩ Flare nut
 This sheet 1 sheet	 1pc	 1pc	 1pc	 2pcs	 ⑥OD.Ø42×180L−1pc ⑦Ø38×200L−4pcs	 7pcs	 Ø9.52→Ø6.35····· 4pcs Ø12.7→Ø9.52····· 1pcs Ø12.7→Ø15.88····· 1pcs Ø15.88→Ø12.7····· 4pcs Ø25.4→Ø28.6····· 1pc Ø25.4→Ø15.88····· 1pc Ø15.88→Ø9.52····· 4pcs	 1/4F·····4pcs 1/2F·····4pcs For R410A indoor unit.

● the gas pipe ② and liquid pipe ③ are specified as shown below.





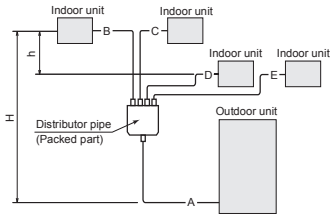
※ The following Items must be obtained locally in addition to the packed parts.
- Heat insulating seallng tape.
- Extension pipe for refrigerant pipe.

Pipe size and refrigerant pipe limits.

■For R410A inverter

<Table 1>

Outdoor unit capacity	Pipe size (mm)				Actual pipe length (m)			Difference of elevation (m)		Note 1
	Gas pipe side		Liquid pipe side		Indoor-Outdoor	A+B+C+D=	Indoor-Indoor	Indoor-Outdoor	Indoor-Indoor	Number of bends
	Outdoor unit side	Indoor unit side	Outdoor unit side	Indoor unit side						
(ZR)P200	ø25.4 <1>	ø12.7 <1/2>	ø9.52 <3/8>	ø6.35 <1/4>	A + B = A + C = A + D = A + E = 100m or less	100m or less	B−C = B−E = C−D = C−E = D−E = 8m or less	H = 30m or less	h = 1m or less	15 or less
(ZR)P250	ø25.4 <1>	ø15.88 <5/8>	ø12.7 <1/2>	ø9.52 <3/8>						
ZRP125,140 ZM125,140	ø15.88 <5/8>	ø9.52 <3/8>	ø9.52 <3/8>	ø6.35 <1/4>	-	75m or less				



Note 1: The number of bends in the refrigerant pipes is respectlvely 8 or less in the range of 〈A＋B〉 〈A＋C〉 〈A＋D〉 〈A＋E〉.

Pipe connections

1. Perform work, taking care with the following:
   - Be sure to check the combination pattern of indoor and outdoor units, joints to be used 〈Table 2〉, pipe size and joint used ⑨.
   - Be sure to observe the limits to refrigerant pipe length and number of bends 〈Table 1〉.
   - Insert the refrigerant pipe (procured at local site) and joint ⑨ into the expanded pipe portions of distributing pipe (this product) until they stop, and then connect them using anti-oxidization soldering.
   - There is no restriction on the orientation of distributing pipe (this product)during installation.
   - Take care that no foreign object, such as dust, enters during pipe connecting work.
   - Remove the tag of liquid pipe ③ after checking it.
2. Pipe connections
   - The provided joints ⑨ will be necessary depending on the capability of model used: See 〈Table 2〉, and connect the refrigerant piping.
   - Do not bend or widen the distributing pipe (liquid pipe).

Combination pattern of indoor and outdoor units and joints to be used:

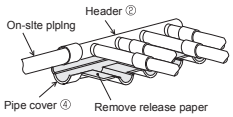
■For R410A inverter

<Table 2>

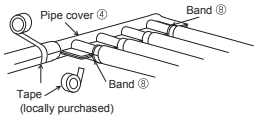
Outdoor unit	Indoor unit	Joint to be used
(ZR)P200	50+50+50+50	Ⓓ Outerø15.88−innerø12.7[indoor gas pipe side]×4, Ⓐ Outerø9.52−innerø6.35[indoor liquid pipe side]×4, Ⓑ Outerø12.7−innerø9.52[outdoor gas pipe side]×1
(ZR)P250	60+60+60+60	No Joint is necessary
ZRP125,140	35+35+35+35	Ⓕ Outerø25.4−innerø15.88[outdoor gas pipe side]×1, Ⓒ Outerø15.88−innerø9.52[indoor gas pipe side]×4, Ⓑ Outerø12.7−innerø9.52[outdoor liquid pipe side]×1, Ⓐ Outerø9.52−innerø6.35[indoor liquid pipe side]×4

Heat insulation work

Gas pipe

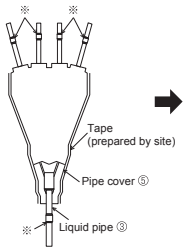


(1) After assembling header ② into pipe cover ④ remove the release paper from inside pipe cover ④ and wrap header ② with pipe cover ④.

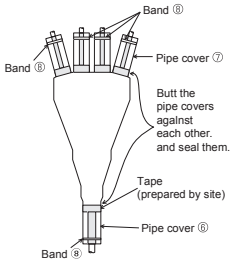


(2) Clamp both ends of the Indoor branch connection of pipe cover ④ with band ⑧ as shown above. Cut off the excess length of the band.
(3) Tightly seal the joints of the pipe cover with tape (locally purchased).(Incomplete sealing can result in dew condensation.)

Liquid pipe



(1) Install the liquid pipe ③ while aligning it with the pipe cover ⑤ (2 pcs).Seal the joint ares of the pipe cover ⑤ with hest Insulating sealing tape (obtalnlocally).



(1) As shown above, install the liquid pipe ③ on the pipe cover ⑧ and ⑦, and securely seal with heat Insulating seal- ing tape (obtain locally).
(3) Fasten the end of each pipe cover with band ⑧

Notes:
1. Cut the excesslve part of each pipe cover
2. Securely cover the joint areas (※) of the refrlgerant pipe (obtained locally) to the gas pipes ② and llquid pipe ③ with the pipe covers.
3. Cover the entire refrigerant pipe (obtained locally) with heat insulating materal.if commercial heat insulating material is used, it must be 12mm or thicker.

Please install contents other than this description on the main part of a product with an attached installation description, and use them as it.