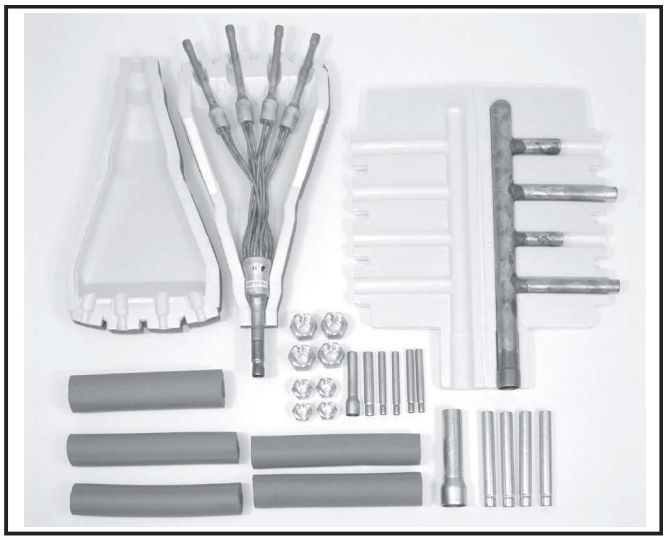
Photo



Descriptions

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

Applicable Models

- PUZ-ZM125,140VKA type
- PUZ-ZM125,140,200,250YKA type
- PUZ-M200,250YKA type

[R32 type]
for 25:25:25:25 Quadruple use

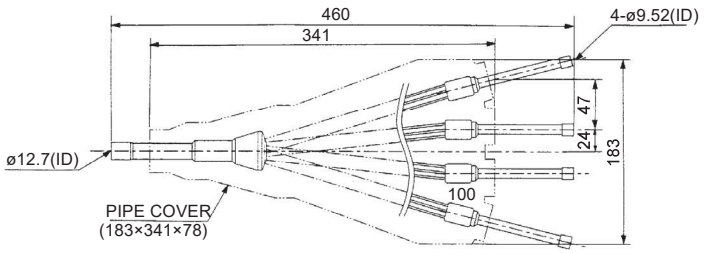
Specifications

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

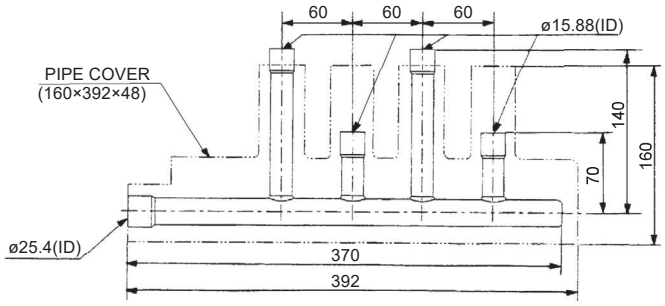
Dimensions

Unit: mm

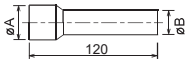
LIQUID PIPE



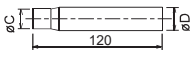
GAS PIPE



JOINT(Accessory)



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



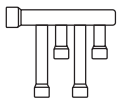
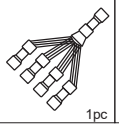
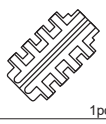
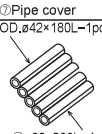
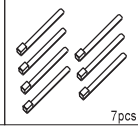
ØC(ID)	ØD(OD)	Amount
12.7	15.88	4
6.35	9.52	4
9.52	12.7	1
15.88	25.4	1
9.52	15.88	4

How to Use / How to Install

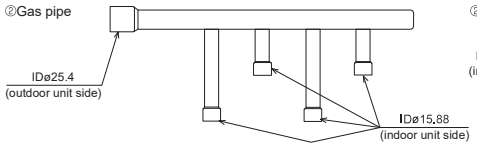
Packaged Air Conditioner Optional Parts Instruction Sheet for Simultaneous Quadruple Distributing Pipe exclusively used with Free Compo Multi-Units

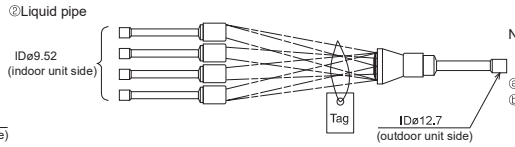
Model MSDF-1111R2-E [Indoor unit (quadruple) With same-capacity 25:25:25:25]

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

①Installation manual	②Gas pipe	③Liquid pipe	④Pipe cover (for gas pipe)	⑤Pipe cover (for liquid pipe)	⑥⑦Pipe cover	⑧Band	⑨Joint	⑩Flare nut
 1 sheet	 1pc	 1pc	 1pc	 2pcs	 ⑥OD.ø42×180L−1pc ⑦ø38×200L−4pcs	 7pcs	 Ⓐ ø9.52→ø6.35 • • • 4pcs Ⓑ ø12.7→ø9.52 • • • 1pc Ⓒ ø12.7→ø15.88 • • 1pc Ⓓ 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 R32 indoor unit.

• The gas pipe ② and liquid pipe ③ are specified as shown below.



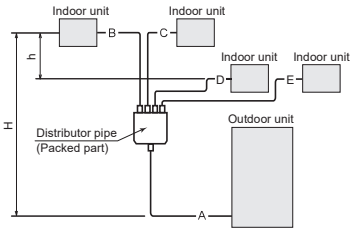


Note:
The following items must be obtained locally in addition to the packed parts.
ⓐ Heat insulating sealing tape
ⓑ Extension pipe for refrigerant pipe

2 Pipe size and refrigerant pipe limits

<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						
125,140	ø15.88 <5/8>	ø9.52 <3/8>	ø9.52 <3/8>	ø6.35 <1/4>	Refer to the instruction manual of the outdoor unit.					
200	ø25.4 <1>	ø12.7 <1/2>	ø9.52 <3/8>	ø6.35 <1/4>						
250	ø25.4 <1>	ø15.88 <5/8>	ø12.7 <1/2>	ø9.52 <3/8>						



Note 1: The number of bends in the refrigerant pipes is respectively 8 or less in the range of <A+B><A+C><A+D><A+E>.
•See the installation manual provided with the main unit for details on charge-less pipe length and refrigerant additional charge amount.

3 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 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 joint(s) 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).

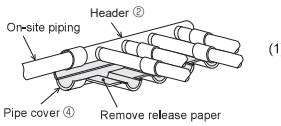
Combination pattern of indoor and outdoor units and joints to be used:

<Table 2>

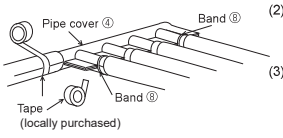
Outdoor unit	Indoor unit	Joint to be used
125,140	35+35+35+35	Ⓕ Outerø25.4−innerø15.88[outdoor gas pipe side]×1, Ⓖ Outerø15.88−innerø9.52[indoor gas pipe side]×4, Ⓑ Outerø12.7−innerø9.52[outdoor liquid pipe side]×1, Ⓐ Outerø9.52−innerø6.35[indoor liquid pipe side]×4
200	50+50+50+50	Ⓓ Outerø15.88−innerø12.7[indoor gas pipe side]×4, Ⓐ Outerø9.52−innerø6.35[indoor liquid pipe side]×4, Ⓑ Outerø12.7−innerø9.52[outdoor gas pipe side]×1
250	60+60+60+60	No Joint is necessary

4 Heat insulation work

Gas pipe

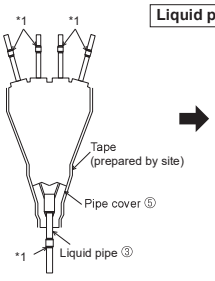


(1)After assembling header ② into pipe cover ④ remove the release paper from inside pipe cover ④ and wrap header ② with pipe cover ④.

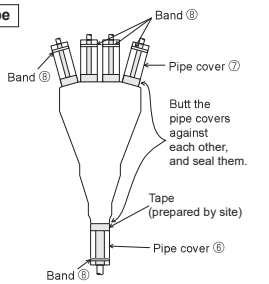


(2)Clamp both ends of the indoor branch connection of pipe cover ④ with band ⑧ as shown above. Cut off the excess length of the band.
(3)Tightly seal the joints of the pipe cover with tape (locally purchased). (Incomplete sealing can result in dew condensation.)

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 heat insulating sealing tape (obtain locally).



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

Notes:
1. Cut the excessive part of each pipe cover.
2. Securely cover the joint areas (*1) of the refrigerant pipe (obtained locally) to the gas pipes ② and liquid pipe ③ with the pipe covers.
3. Cover the entire refrigerant pipe (obtained locally) with heat insulating material. 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.