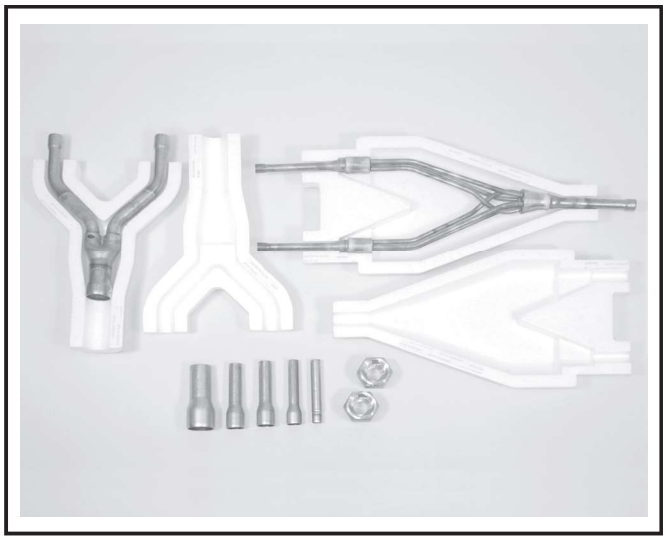
Distribution Pipe

MSDD-50WR2-E

Photo



Descriptions

Branch pipe for Multi-System Twin type Twin use. (50:50)

Applicable Models

■ PUZ-ZM200,250YKA type
■ PUZ-M200,250YKA type
for Twin 50:50 use
[R32 type]

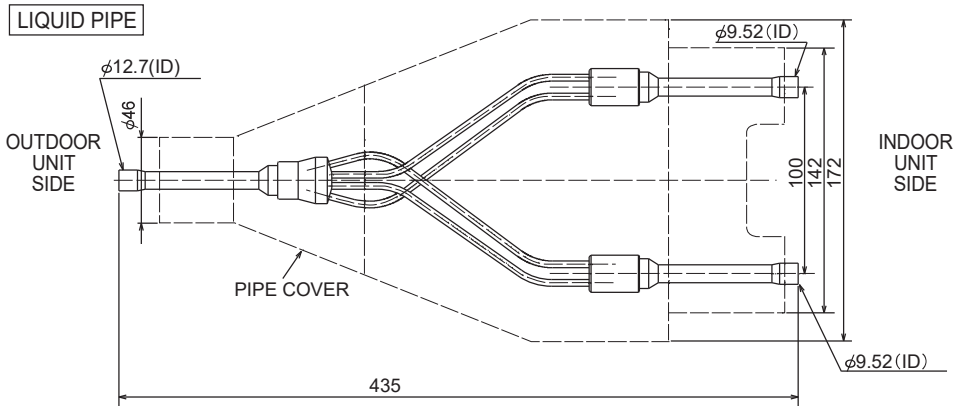
Specifications

Main body	Distribution ratio	Outdoor unit capacity is divided into two (50:50)
	Number of distribution pipes	1 each for liquid pipe and gas pipe
	Pipe material	Phosphate deoxidized copper C1220T-OL (JIS H3300)
Accessory	Pipe cover	Styrofoam molding (for liquid pipe and gas pipe)
	Joint	5 joints (4 types)

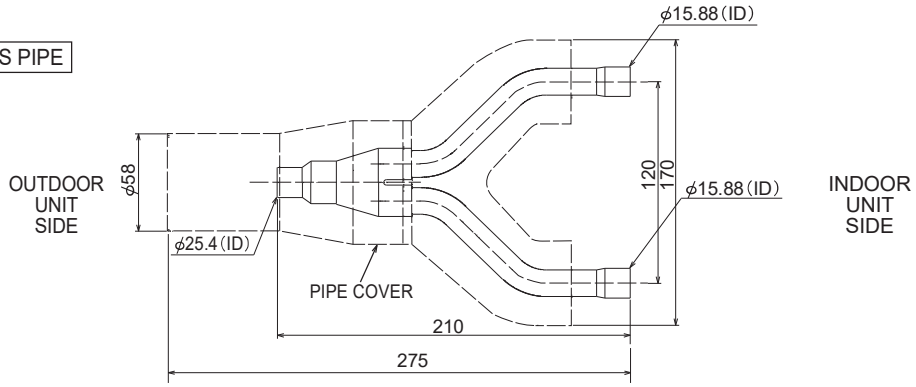
Dimensions

Unit: mm

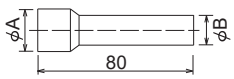
LIQUID PIPE



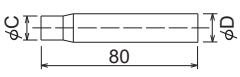
GAS PIPE



JOINT(Accessory)



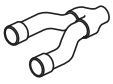
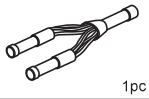
ØA(ID)	ØB(OD)	Amount
28.6	25.4	1
15.88	12.7	1
19.05	15.88	2



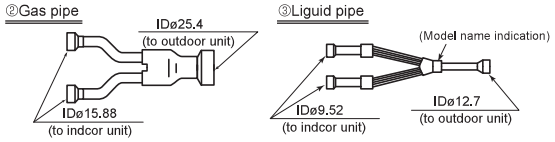
ØC(ID)	ØD(OD)	Amount
9.52	12.7	1

How to Use / How to Install

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

①Instruction sheet	②Gas pipe	③Liquid pipe	④Pipe cover (for gas pipe)	⑤Pipe cover (for liquid pipe)	⑥Joint pipe	⑦Flare nut
 1 sheet	 1pc	 1pc	 1pc	 1pc	 Ⓓ ø12.7→ø9.52 • • • 1pc Ⓔ ø12.7→ø15.88 • • 1pc Ⓕ ø15.88→ø19.05• •2pcs Ⓖ ø25.4→ø28.6 • • • 1pc	 Ⓒ5/8F• • •2pcs For R32 indoor unit.

• See the following for the specifications of gas pipe ②,and liquid pipe ③.



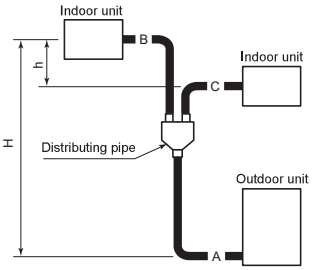
Note:
The following items must be obtained locally in addition to the packed parts.
ⓐ Heat insulating seallng tape
ⓑ Extension pipe for refrigerant pipe

2 Pipe size and limit to refrigerant pipe

■For R32 power inverter <Table 1>

Outdoor unit capacity	Pipe size (mm)				Actual pipe length (m)			Difference of elevation (m)		Note 1 Number of bends
	Gas pipe side		Liquid pipe side		Indoor-Outdoor	A+B+C=	Indoor-Indoor	Indoor-Outdoor	Indoor-Indoor	
	Outdoor unit side	Indoor unit side	Outdoor unit side	Indoor unit side						
200	ø25.4 <1>	35, 50 ø12.7<1/2> 60～125 ø15.88<5/8>	ø9.52 <3/8>	35, 50 ø6.35<1/4> 60～125 ø9.52<3/8>	Refer to the instruction manual of the outdoor unit.					
250			ø12.7 <1/2>							

<Fig. 1>

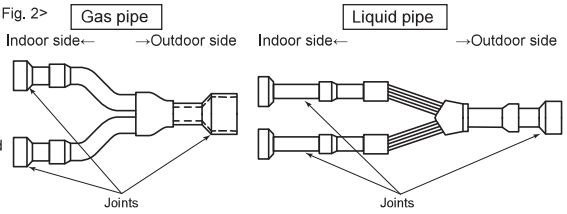


Note 1: Limit the number of bends for refrigerant pipes to 8 in each of the <A+B> and <A+C> ranges.
•See the installation manual provided with the main unit for details on charge-less pipe length and refrigerant additional charge amount.

3 Pipe connections

1. Perform work, taking care with the following:
   • Be sure to check the combination pattern of indoor and outdoor units and joints to be used <Table 2>.
   • 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 Ⓑ 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.
2. Pipe connections
   • The provided joint(s) Ⓑ will be necessary depending on the capability of model used: See <Table 2>, and connect the joints as shown in <Fig. 2>.
   • Do not bend or widen the distributing pipe (liquid pipe).

Combination pattern of indoor and outdoor units and joints to be used:
<Fig. 2>

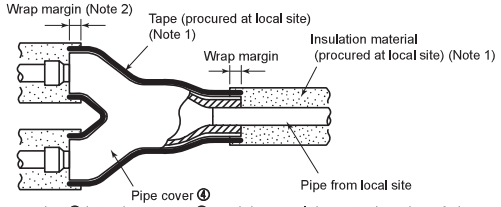


■For R32 power inverter <Table 2>

Outdoor unit	Indoor unit	Joint to be used
200	100+100	Ⓓ Outerø12.7−innerø9.52[outdoor liquid pipe side]
250	125+125	No joint is necessary

Note 1: Installation positions in brackets [ ].

4 Heat insulation work



Notes:
1. Cover the entire refrigerant pipe (procured at local site) with heat insulation material. When using generally available heat insulation material, heat-resistant insulation material (at least 12 mm thick).
2. Pipe covers ④ and ⑤ will shrink slightly at high temperatures: Provide wrap margins with insulation material.

• Fit gas pipe ② into pipe covers ④, and then seal the mated portion of pipe cover ④ using heat insulation seal tape (procured at local site).
• Process liquid pipe ③ in the same way.

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