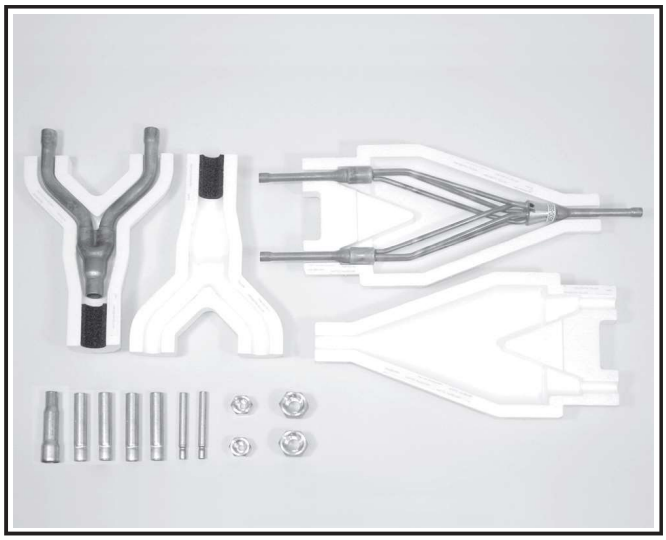
Photo



Descriptions

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

Applicable Models

■ PUZ-ZM71VHA type
■ PUZ-ZM100,125,140VKA type
■ PUZ-ZM100,125,140YKA type
■ PUZ-M100,125,140VKA type
■ PUZ-M100,125,140YKA type
[R32 type]

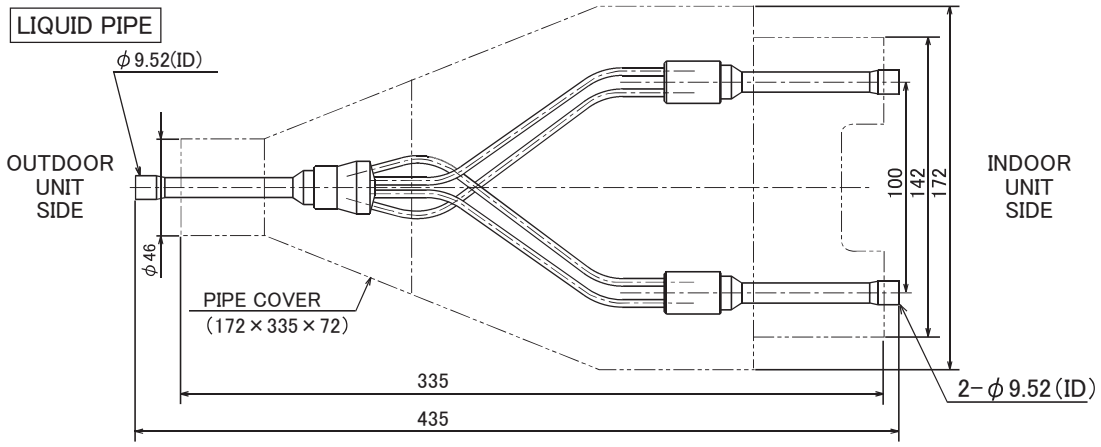
Specifications

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 (1 each for liquid pipe and gas pipe)
	Joint	7 joints (4 types)

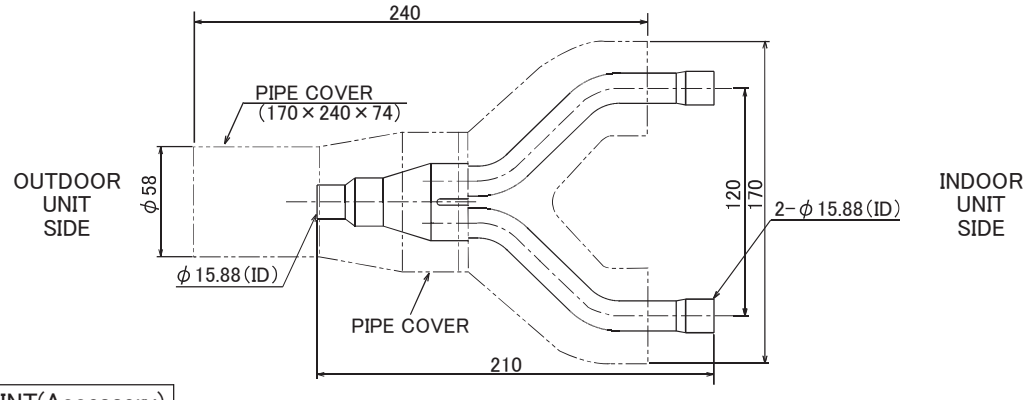
Dimensions

Unit: mm

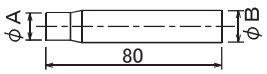
LIQUID PIPE



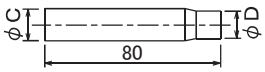
GAS PIPE



JOINT(Accessory)



ØA(ID)	ØB(OD)	Amount
6.35	9.52	2
9.52	15.88	2
12.7	15.88	2



ØC(ID)	ØD(OD)	Amount
19.05	15.88	1

How to Use / How to Install

Package Air-conditioner Optional Parts Instruction Sheet for Simultaneous Twin Distributing Pipe

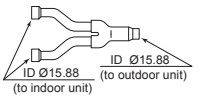
Make sure that you have all the following parts before installation.

① Instruction sheet	② Gas pipe	③ Liquid pipe	④ Pipe cover (for gas pipe)	⑤ Pipe cover (for liquid pipe)	⑥ Joint pipe	⑦ Flare nut
This sheet 1 sheet	1pc	1pc	1pc	1pc	Ⓐ φ9.52→ φ6.35····2pcs Ⓑφ15.88→φ12.7·····2pcs Ⓒφ15.88→φ19.05····1pc Ⓓφ15.88→φ9.52·····2pcs	1/4F····2pcs 1/2F····2pcs For R32 indoor unit.

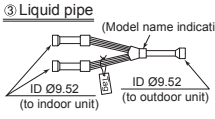
● See the following for the specifications of gas pipe ②, and liquid pipe ③,

■MSDD-50TR2

② Gas pipe



③ Liquid pipe



※ Procure the following at local site in addition to the above
· Tape for heat insulator sealing
· Extended pipe for refrigerant pipe

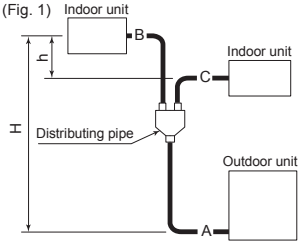
Pipe size and limit to refrigerant pipe

■For R32 power inverter (Table 1)

Outdoor unit capacity	Pipe size (mm)				Actual pipe length (m)			Height Difference (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						
ZM71	Ø15.88 (5/8)	M35, 50 Ø12.7(1/2)	Ø9.52 (3/8)	M35, 50 Ø6.35(1/4)	–	55m or less	|B – C| = 8m or less	H = 30m or less	h = 1m or less	15 or less
ZM100-140		M60, 71 Ø15.88(5/8)		M60, 71 Ø9.52(3/8)		100m or less				

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 chargeless pipe length and refrigerant additional charge amount.

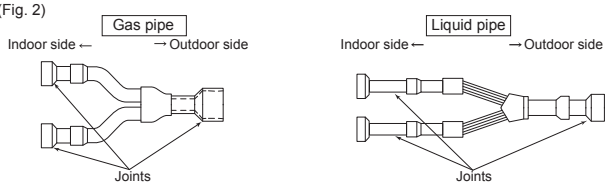
(Fig. 1)



Pipe connections

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

(Fig. 2)



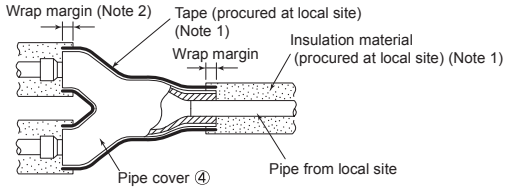
1. Perform work, taking care with the followings:
   - Be sure to check the combination pattern of indoor and outdoor units and joints to be used (Table 2).
   - Be sure to observe the limits to refrigerant pipe length and number of bends (Table 1).
   - Insert the refrigerant pipe (procured at local site) and joint ⑥ 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 ③after checking it.
2. Pipe connections
   - The provided joints ⑥ 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).

■For R32 power inverter <Table 2>

Outdoor unit	Indoor unit	Joint to be used
ZM71	35+35	ⒷOuter Ø15.88 – inner Ø12.7 [indoor gas pipe side], ⒶOuter Ø9.52 – inner Ø6.35 [indoor liquid pipe side]
ZM100	50+50	ⒷOuter Ø15.88 – inner Ø12.7 [indoor gas pipe side], ⒶOuter Ø9.52 – inner Ø6.35 [indoor liquid pipe side]
ZM125	60+60	No joint is necessary.
ZM140	71+71	

Note: Installation positions in brackets [ ].

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 covers 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.