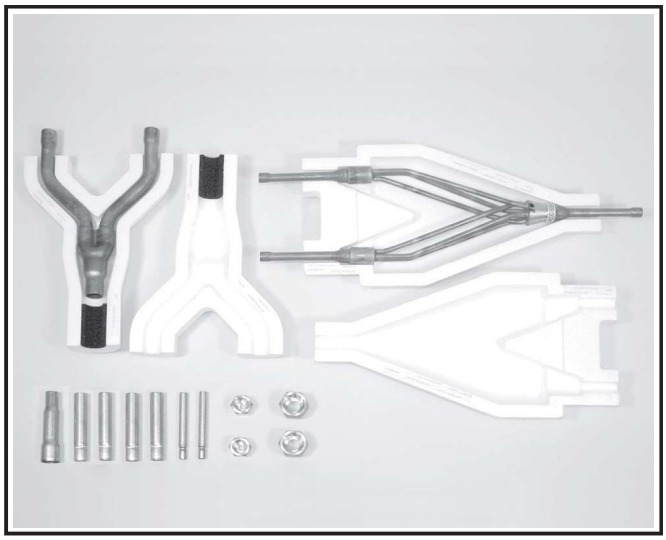
Photo



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]

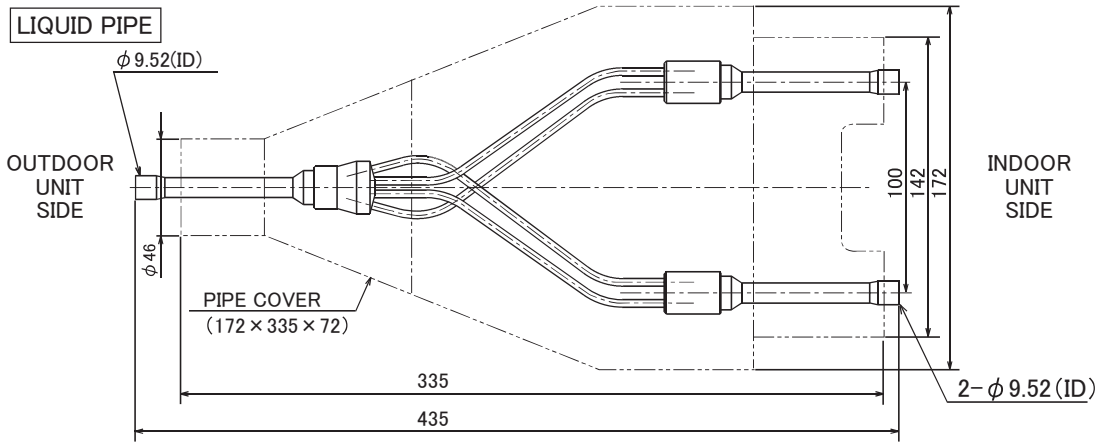
Specifications

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)

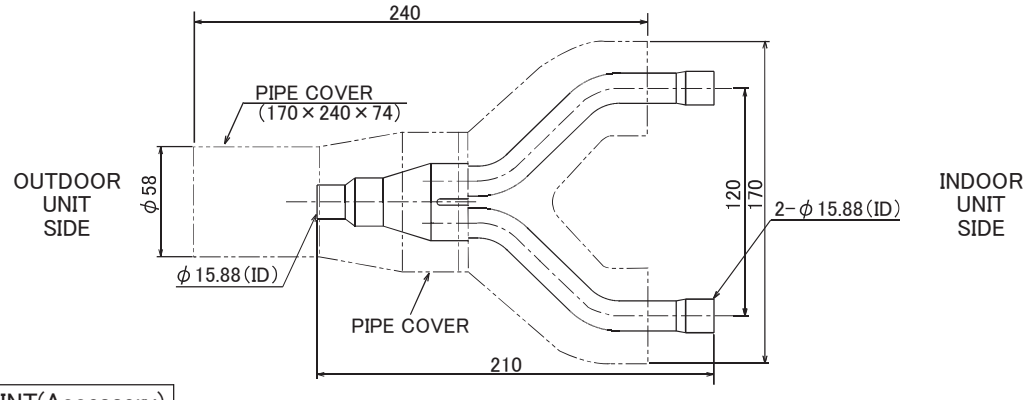
Dimensions

Unit: mm

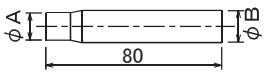
LIQUID PIPE



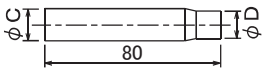
GAS PIPE



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

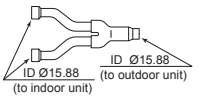
Make sure that you have all the following parts before installation.

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.

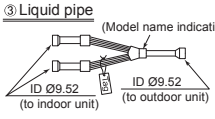
● See the following for the specifications of gas pipe ②, and liquid pipe ③,

■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

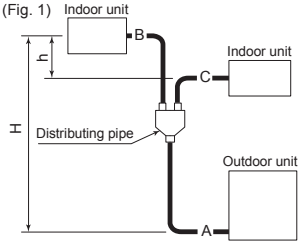
Pipe size and limit to refrigerant pipe

■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.

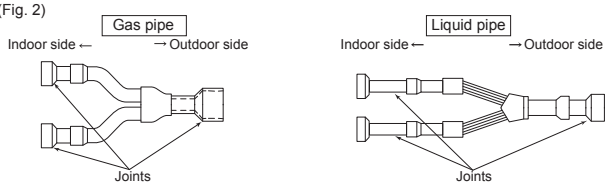
(Fig. 1)



Pipe connections

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

(Fig. 2)



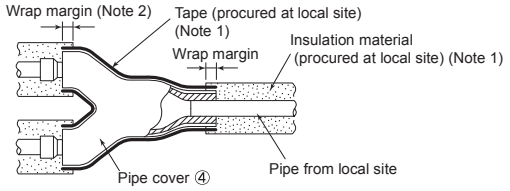
1. Perform work, taking care with the followings:
   - Be sure to check the combination pattern of indoor and outdoor units and joints to be used (Table 2).
   - Be sure to observe the limits to refrigerant pipe length and number of bends (Table 1).
   - Insert the refrigerant pipe (procured at local 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.

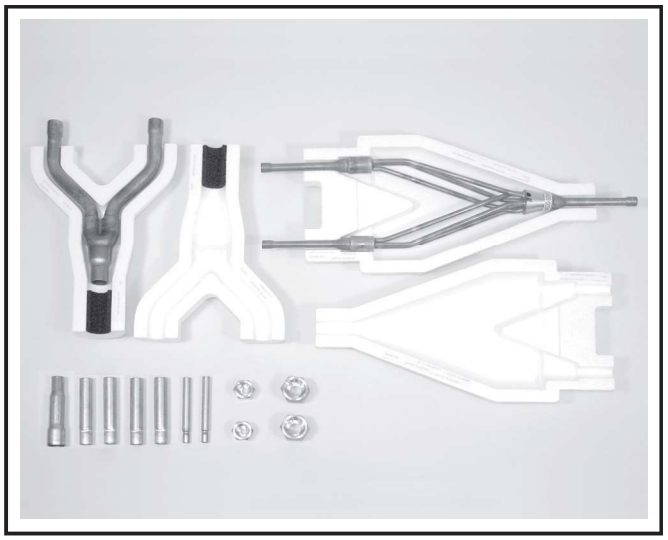
Please install contents other than this description on the main part of a product with an attached installation description, and use them as it.

Distribution Pipe

MSDD-50TR-E

* model change from MSDD-50SR-E

Photo



Descriptions

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

Applicable Models

- PUHZ-ZRP71VHA2
- PUHZ-ZRP100VKA3
- PUHZ-ZRP125VKA3
- PUHZ-ZRP140VKA3
- PUHZ-ZRP100YKA3
- PUHZ-ZRP125YKA3
- PUHZ-ZRP140YKA3
- PUHZ-P100VKA
- PUHZ-P125VKA
- PUHZ-P140VKA
- PUHZ-P100YKA
- PUHZ-P125YKA
- PUHZ-P140YKA
- PUHZ-SHW112VHA
- PUHZ-SHW112YHA
- PUHZ-SHW140YHA

[R410A type]

- for Twin 50:50 use

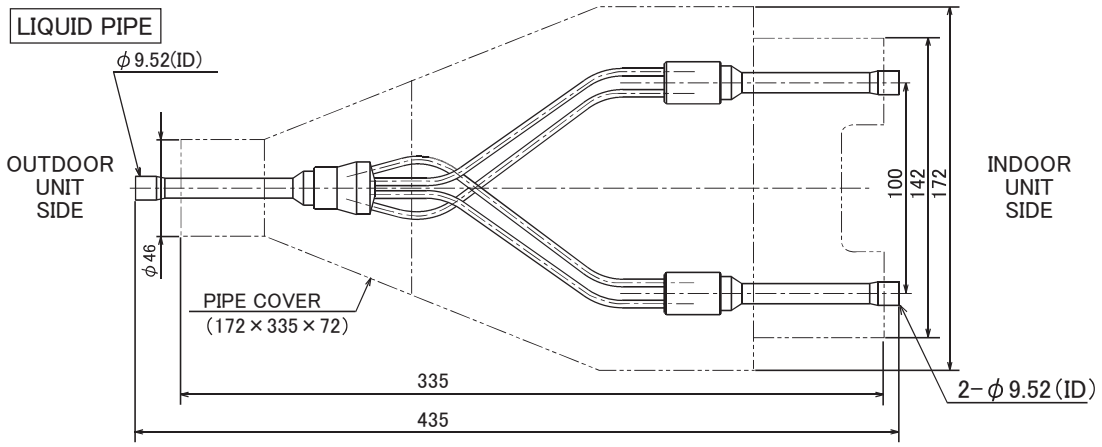
Specifications

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)

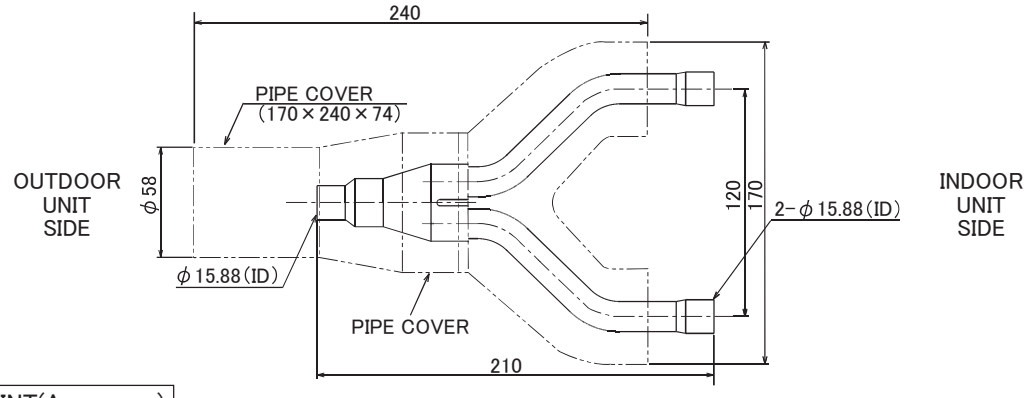
Dimensions

Unit: mm

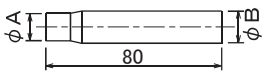
LIQUID PIPE



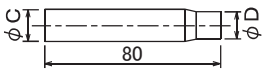
GAS PIPE



JOINT(Accessory)



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

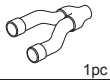
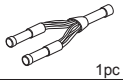


ØC(ID)	ØD(OD)	Amount
19.05	15.88	1

How to Use / How to Install

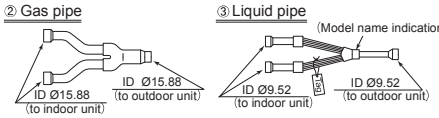
Package Air-conditioner Optional Parts Instruction Sheet for Simultaneous Twin Distributing Pipe

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	⑦Flare 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 R410A indoor unit.

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

■MSDD-50TR



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

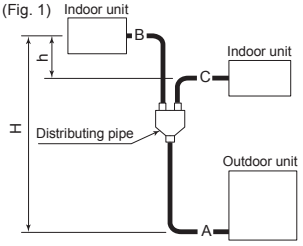
Pipe size and limit to refrigerant pipe

■For R410A (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						
71(3Hp)	Ø15.88 (5/8)	35, 50 Ø9.52(3/8) Ø12.7(1/2) 60,71 Ø15.88(5/8)	Ø9.52 (3/8)	35, 50 Ø6.35(1/4) 60,71 Ø9.52(3/8)	—	50m or less	|B−C| = 8m or less	H = 30m or less	h = 1m or less	15 or less
100,125,140 (4,5,6Hp)						75m 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.

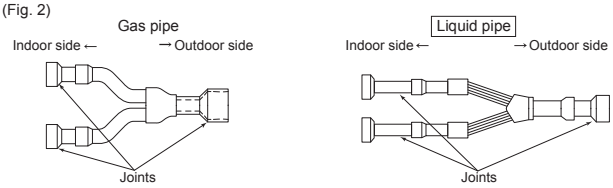
(Fig. 1)



Pipe connections

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

(Fig. 2)



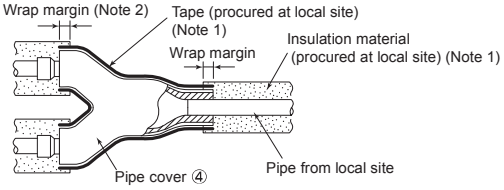
1. Perform work, taking care with the followings:
   - Be sure to check the combination pattern of indoor and outdoor units and joints to be used (Table 2).
   - Be sure to observe the limits to refrigerant pipe length and number of bends (Table 1).
   - Insert the refrigerant pipe (procured at local 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 R410A (Table 2)

Outdoor unit	Indoor unit	Joint to be used
71(3Hp)	35+35 (1.6+1.6)	ⒷOuter Ø15.88−inner Ø12.7 [indoor gas pipe side], ⒶOuter Ø9.52−inner Ø6.35 [indoor liquid pipe side]
		ⒹOuter Ø15.88−inner Ø9.52 [indoor gas pipe side], ⒶOuter Ø9.52−inner Ø6.35 [indoor liquid pipe side]
100(4Hp)	50+50 (2+2)	ⒷOuter Ø15.88−inner Ø12.7 [indoor gas pipe side], ⒶOuter Ø9.52−inner Ø6.35 [indoor liquid pipe side]
125(5Hp)	60+60 (2.5+2.5)	No joint is necessary.
140(6Hp)	71+71 (3+3)	

※ Installation positions in brackets ( ).

Heat insulation work

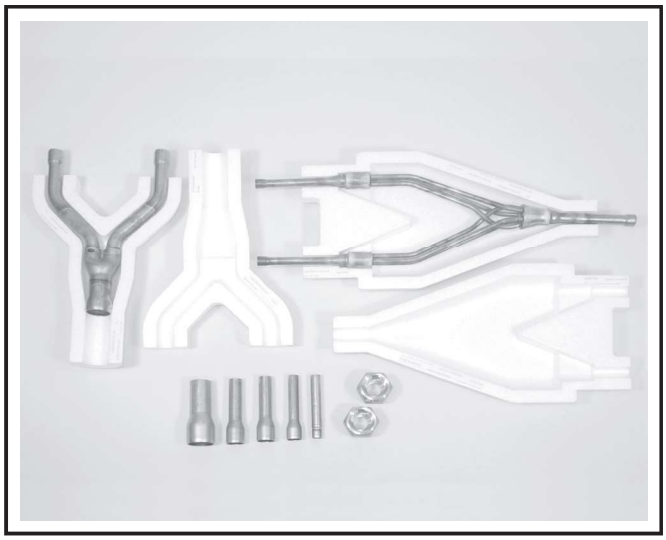


Notes:
1. Cover the entire refrigerant pipe (procured at local site) with heat insulation material. When using generally available heat insulation material, heat-resistant insulation material (at least 12 mm thick).
2. Pipe covers ④ and ⑤ will shrink slightly at high temperatures: Provide wrap margins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

Photo



Descriptions

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

Applicable Models

■ PUHZ-ZRP200,250YKA3
■ PUHZ-P200,250YKA3
for Twin 50:50 use
[R410A type]

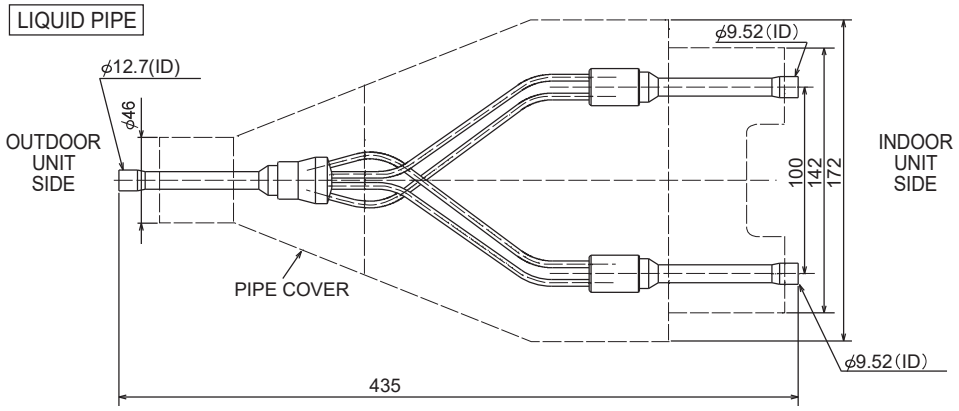
Specifications

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)

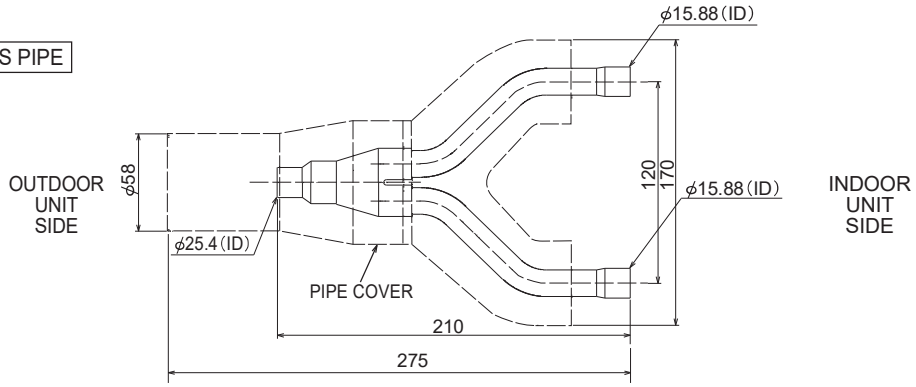
Dimensions

Unit: mm

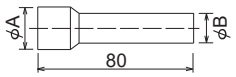
LIQUID PIPE



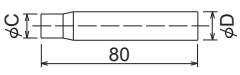
GAS PIPE



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

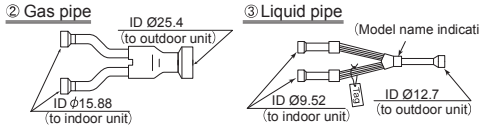
Package Air-conditioner Optional Parts Instruction Sheet for Simultaneous Twin Distributing Pipe

Make sure that you have all the following parts in packing box 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	Ø12.7→Ø 9.52 ····· 1pc Ø12.7→Ø 15.88 ····· 1pc Ø15.88→Ø19.05 ····· 2pcs Ø25.4→Ø28.6 ····· 1pc	5/8F····2pcs For R410A indoor unit.

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

■MSDD-50WR



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

Pipe size and limit to refrigerant pipe

■For R407C fixed speed models (Table 1-1)

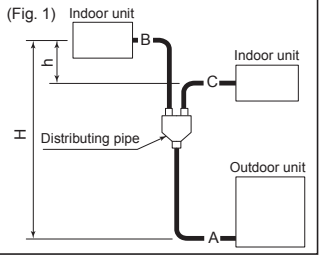
Outdoor unit capacity	Pipe size (mm)				Actual pipe length (m)			Height Difference (m)		Note 1 Number of bends
	Gas pipe side		Liquid pipe side		Indoor-Outdoor	A+B+C=	Indoor-Indoor	Indoor-Outdoor	Indoor-Indoor	
	Outdoor unit side	Indoor unit side	Outdoor unit side	Indoor unit side						
200(8Hp)	ϕ25.4 (1)	Ø19.05 (3/4)	Ø12.7 (1/2)	Ø9.52 (3/8)	A + B = A + C = 50m or less	70m or less	| B−C | = 8m or less	H = 40m or less	h = 1m or less	15 or less
250(10Hp)	ϕ28.6 (1-1/8)									

■For R410A Power Inverter models (Table 1-2)

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						
200(8Hp)	Ø25.4 (1)	Ø15.88(5/8)	Ø9.52 (3/8)	Ø9.52(3/8)	A + B = A + C = 80m or less	100 m or less (ZRP200/250) 70 m or less (P200/250)	| B−C | = 8m or less	H = 30m or less	h = 1m or less	15 or less
250(10Hp)	Ø25.4 (1) Ø28.6 (1-1/8)		Ø12.7 (1/2)							

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.

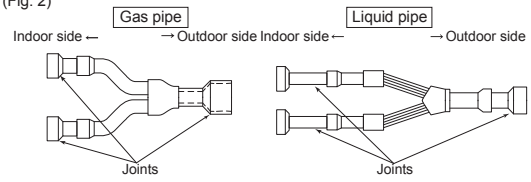
(Fig. 1)



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 2-1, 2-2).
   - · Be sure to observe the limits to refrigerant pipe length and number of bends (Table 1-1, 1-2).
   - ·Insert the refrigerant pipe (procured at local site) and joint ⑥into 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 ⑥will be necessary depending on the capability of model used: See (Table 2), and connect the joints as shown in (Fig. 2-1, 2-2).
   - ·Do not bend or widen the distributing pipe (liquid pipe).

■For R407C fixed speed (Table 2-1)

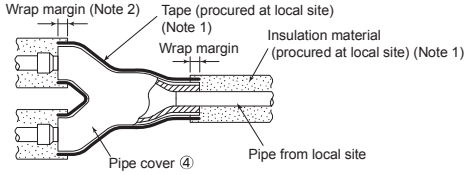
Outdoor unit	Indoor unit	Joint to be used
200(8Hp)	100+100 (4+4)	Outer Ø15.88−inner Ø19.05 [indoor gas pipe side]
250(10Hp)	125+125 (5+5)	Outer Ø25.4−inner Ø28.6 [outdoor gas pipe side]

※Installation positions in brackets ( ).

■For R410A Power Inverter (Table 2-2)

Outdoor unit	Indoor unit	Joint to be used
200(8Hp)	100+100 (4+4)	Outer Ø12.7−inner Ø9.52 [outdoor liquid pipe side]
250(10Hp)	125+125 (5+5)	HA:Outer Ø25.4−inner Ø28.6 [outdoor gas pipe side] HA2,KA:No joint necessary

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
2. insulation material (at least 12 mm thick).
   Pipe covers ④ and ⑤ will shrink slightly at high temperatures: Provide wrap margins with insulation material.

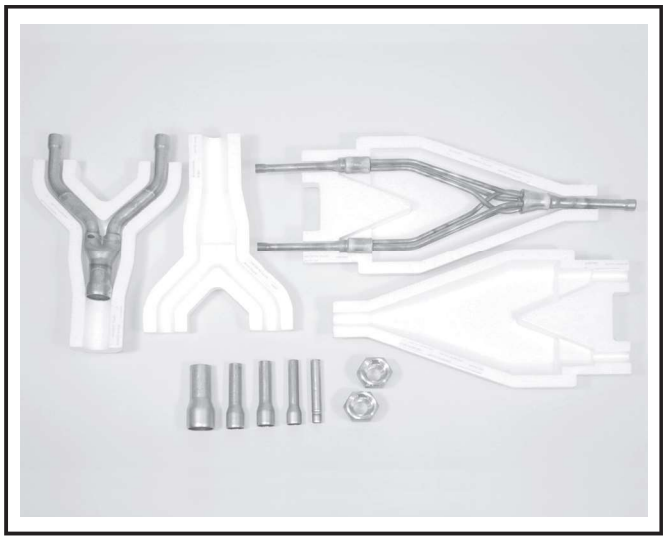
- ·Fit gas pipe ② into pipe covers ④, and then seal the mated portion of pipe covers ④ using heat insulation seal tape (procured at local site).
- ·Process liquid pipe ③ in the same way.

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

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]

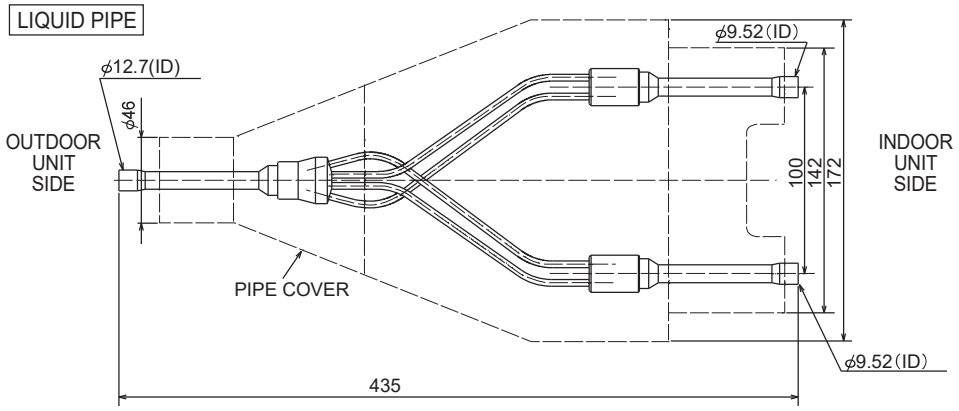
Specifications

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)

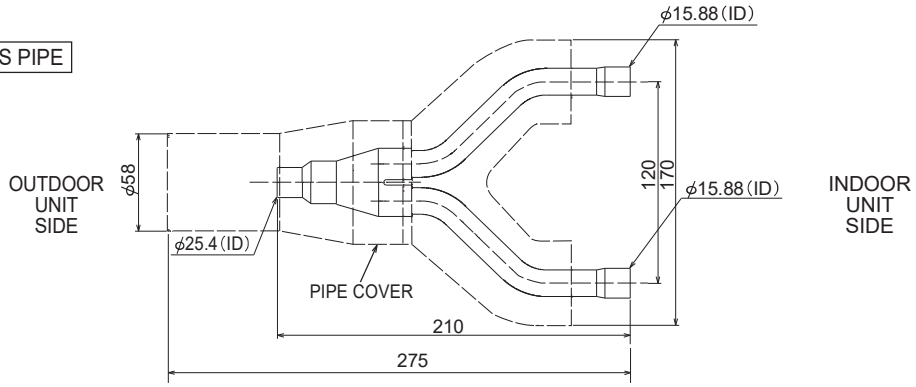
Dimensions

Unit: mm

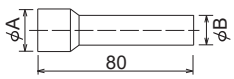
LIQUID PIPE



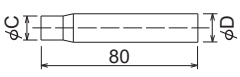
GAS PIPE



JOINT(Accessory)



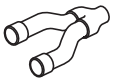
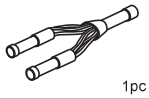
ØA(ID)	ØB(OD)	Amount
28.6	25.4	1
15.88	12.7	1
19.05	15.88	2



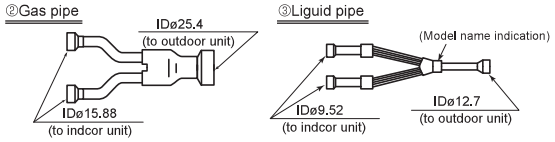
ØC(ID)	ØD(OD)	Amount
9.52	12.7	1

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.



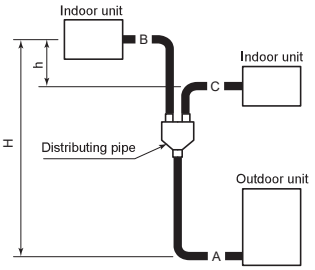
Note:
The following items must be obtained locally in addition to the packed parts.
ⓐ Heat insulating seallng tape
ⓑ Extension pipe for refrigerant pipe

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>

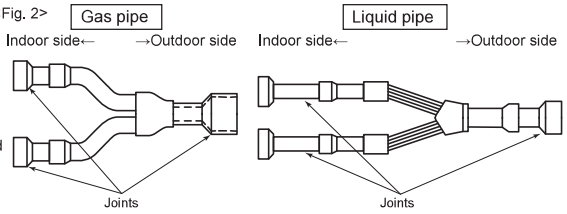


Note 1: Limit the number of bends for refrigerant pipes to 8 in each of the <A+B> and <A+C> ranges.
•See the installation manual provided with the main unit for details on charge-less pipe length and refrigerant additional charge amount.

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>

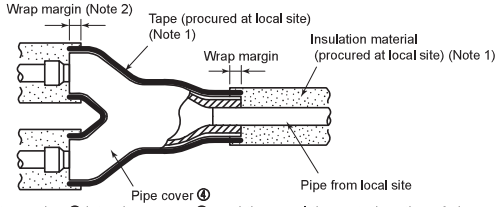


■For R32 power inverter <Table 2>

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



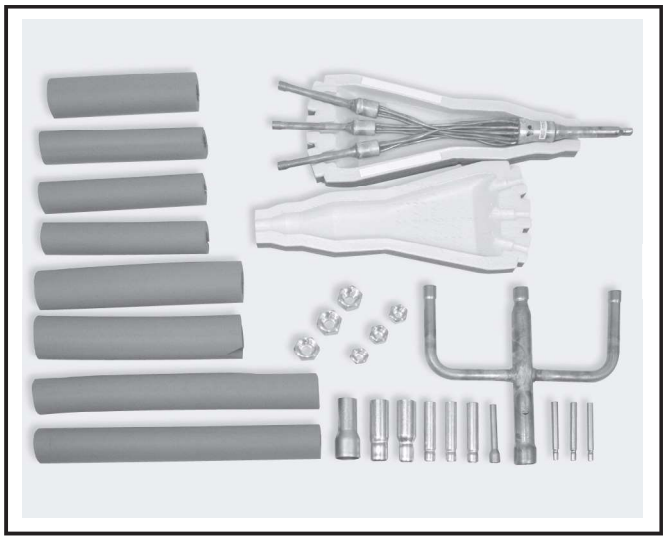
Notes:
1. Cover the entire refrigerant pipe (procured at local site) with heat insulation material. When using generally available heat insulation material, heat-resistant insulation material (at least 12 mm thick).
2. Pipe covers ④ and ⑤ will shrink slightly at high temperatures: Provide wrap margins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

Distribution Pipe

Photo



Descriptions

3-branch pipe for Multi-System Triple use. (33:33:33)

Applicable Models

- PUZ-ZM100,125,140VKA type
- PUZ-ZM100,125,140,200,250YKA type
- PUZ-M140VKA type
- PUZ-M140,200,250YKA type

for 33:33:33 Triple use
[R32 type]

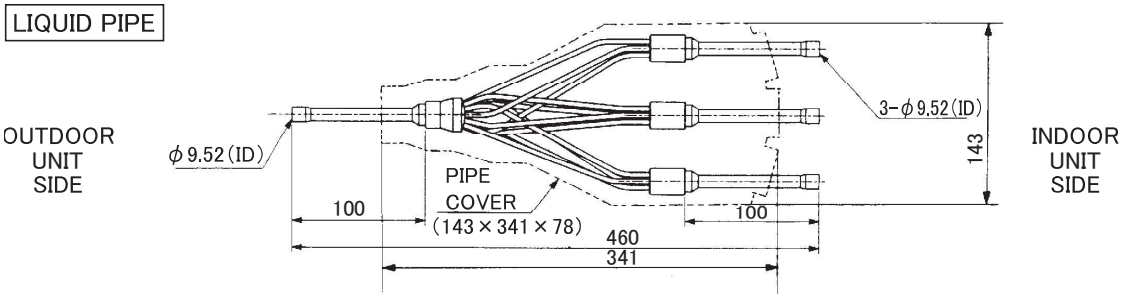
Specifications

Main body	Distribution ratio	Outdoor unit capacity is divided into three (33:33:33)
	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	10 joints (6 types)

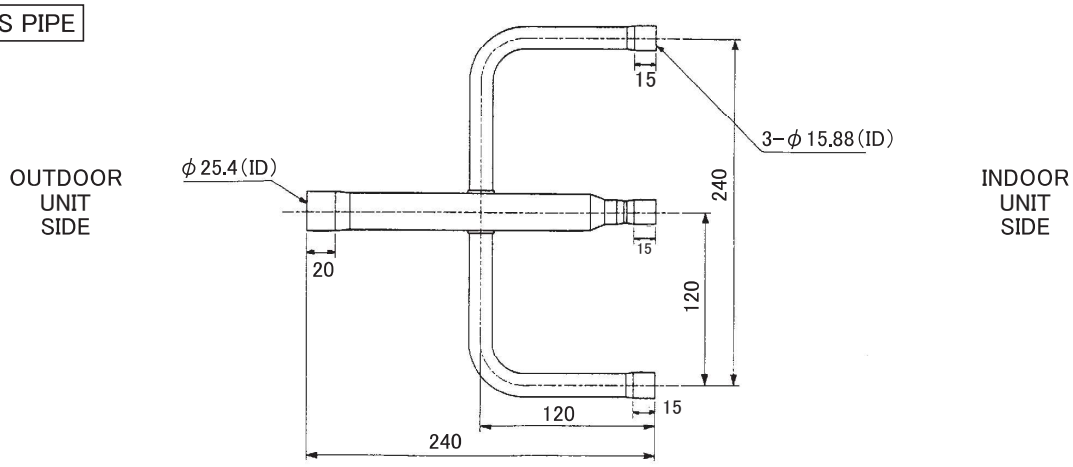
Dimensions

Unit: mm

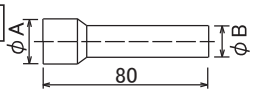
LIQUID PIPE



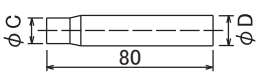
GAS PIPE



JOINT(Accessary)



ØA(ID)	ØB(OD)	Amount
12.7	9.52	1
28.6	25.4	1



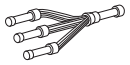
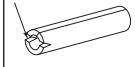
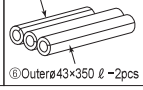
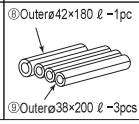
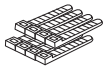
ØC(ID)	ØD(OD)	Amount
12.7	15.88	3
19.05	25.4	1
6.35	9.52	3
15.88	25.4	1

How to Use / How to Install

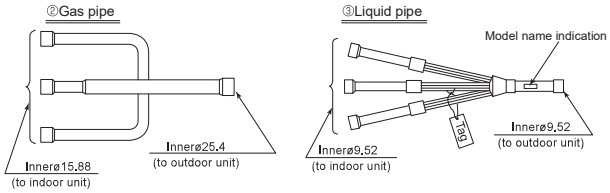
Packaged Air Conditioner Optional Parts Instruction Sheet for Simultaneous Triple Distributing Pipe exclusively used with Free Compo Multi-Units

MSDT-111R3-E [Indoor unit same-capacity triple 33:33:33]

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

①Instruction sheet	②Gas pipe	③Liquid pipe	④Pipe cover (for gas pipe)	⑤⑥Pipe cover (for gas pipe)	⑦Pipe cover (for liquid pipe)	⑧⑨Pipe cover	⑩Band	⑪Joint	⑫ Flare nut
 1 sheet	 1pc	 1pc	 With V cut 1pc	 ⑤Outerø50×250 ℓ −1pc ⑥Outerø43×350 ℓ −2pcs	 2pcs	 ⑧Outerø42×180 ℓ −1pc ⑨Outerø38×200 ℓ −3pcs	 8pcs	 See Table 1.	 ⓐ1/4F• • 3pcs ⓑ1/2F• • 3pcs 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 sealing tape
ⓑ Extension pipe for refrigerant pipe

Joint specifications and provided numbers <Table 1>

Sizes of joint pipe ends (mm)	Numbers provided
Ⓐ Outerø9.52−Innerø6.35	3
Ⓑ Outerø9.52−Innerø12.7	1
Ⓒ Outerø15.88−Innerø12.7	3
Ⓓ Outerø25.4−Innerø19.05	1
Ⓔ Outerø25.4−Innerø15.88	1
Ⓕ Outerø25.4−Innerø28.6	1
Ⓖ Outerø15.88−Innerø9.52	3

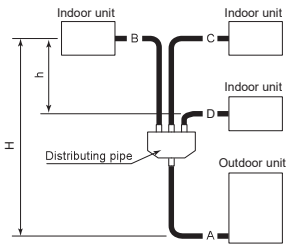
2 Pipe size and limit to refrigerant pipe

<Table 2>

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+D=	Indoor-Indoor	Indoor-Outdoor	Indoor-Indoor	
	Outdoor unit side	Indoor unit side	Outdoor unit side	Indoor unit side						
100	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.					
125, 140		ø12.7 <1/2>								
200	ø25.4 <1>	ø15.88 <5/8>	ø9.52 <3/8>	ø9.52 <3/8>						
250			ø12.7 <1/2>							

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

<Fig. 1>



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 3>, pipe size <Table 1> and joint ⑪.
   • Be sure to observe the limits to refrigerant pipe length and number of bends <Table 2>.
   • Insert the refrigerant pipe (procured at local site) and joint ⑪ 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 ⑪ will be necessary depending on the capability of model used: See <Table 3>, 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:

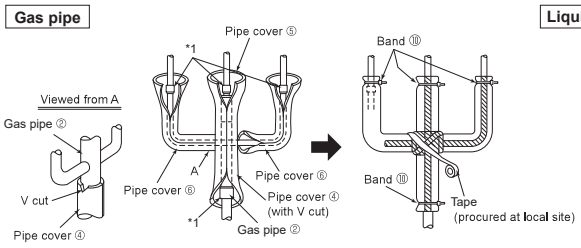
<Table 3>

Outdoor unit	Indoor unit	Joint to be used
100	35+35+35	Ⓔ Outerø25.4−innerø15.88[outdoor gas pipe side]×1, Ⓖ Outerø15.88−innerø9.52[indoor gas pipe side]×3, Ⓐ Outerø9.52−innerø6.35[indoor liquid pipe side]×3
125,140	50+50+50	Ⓔ Outerø25.4−innerø15.88[outdoor gas pipe side]×1 , Ⓒ Outerø15.88−innerø12.7[indoor gas pipe side]×3, Ⓐ Outerø9.52−innerø6.35[indoor liquid pipe side]×3
200	60+60+60	No Joint is necessary
250	71+71+71	Ⓑ Outerø9.52−innerø12.7[outdoor liquid pipe side]×1

Note 1: Installation positions in brackets [ ].

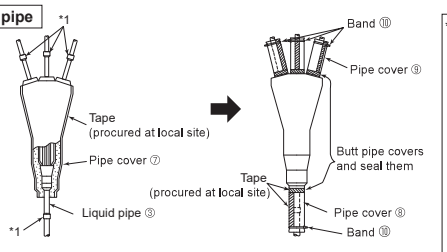
4 Heat insulation work

Gas pipe



(1)Wind pipe cover ④, ⑤ and ⑥ round gas pipe ② so that there is no gap. Securely fit the V-cut portions of pipe cover ④ into the roots of pipe on both sides to install the pipe cover.
(2)Completely seal the openings of pipe cover ④, ⑤ and ⑥ using heat insulation seal tape (procured at local site). Wind seal tape round the pipe crossing portion in a crossed way so that there is no gap.
(3)Use band ⑩ to tighten the ends of each pipe cover.

Liquid pipe



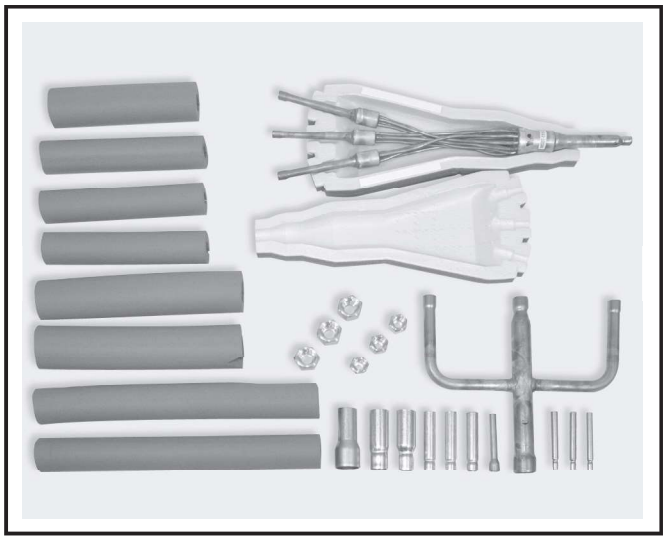
(1)Fit liquid pipe ③ into 2 pipe cover ⑦, and then seal the mated portion of pipe cover ⑦ using heat insulation seal tape (procured at local site).
(2)Fit pipe cover ⑧ and ⑨ into liquid pipe ③, and then securely seal the mated portion of pipe cover ⑦ using heat insulation seal tape (procured at local site).
(3)Use band ⑩ to tighten the ends of each pipe cover.

*1 Notes:
1. Cut off any surplus pipe cover to make appropriate length.
2. Use pipe covers to completely cover the connection portions of refrigerant pipe (procured at local site), gas pipe ② and liquid pipe ③.
3. Cover the entire refrigerant pipe (procured at local site) with heat insulation material. When using generally available heat insulation material, make sure it is heat-resistant insulation material (at least 12 mm thick).

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

Distribution Pipe

Photo



Descriptions

3-branch pipe for Multi-System Triple use. (33:33:33)

Applicable Models

- PUHZ-ZRP100VKA3
- PUHZ-ZRP125VKA3
- PUHZ-ZRP140VKA3
- PUHZ-ZRP100YKA3
- PUHZ-ZRP125YKA3
- PUHZ-ZRP140YKA3
- PUHZ-ZRP200YKA3
- PUHZ-ZRP250YKA3
- PUHZ-P140VKA
- PUHZ-P140YKA
- PUHZ-P200YKA3
- PUHZ-P250YKA3

for 33:33:33 Triple use
[R410A type]

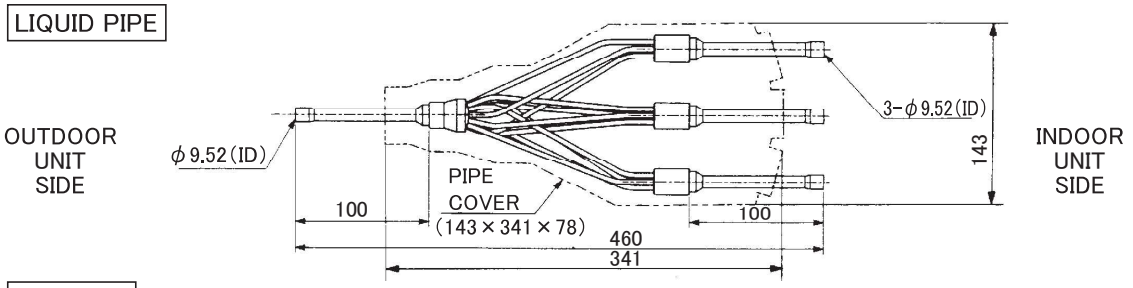
Specifications

Main body	Distribution ratio	Outdoor unit capacity is divided into three (33:33:33)
	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	13 joints (7 types)

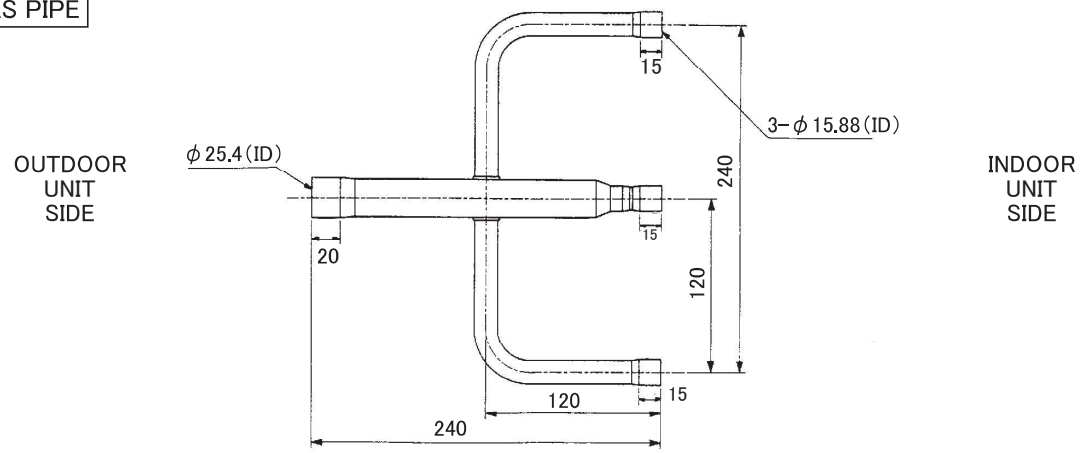
Dimensions

Unit: mm

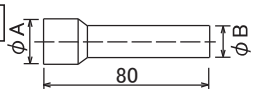
LIQUID PIPE



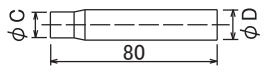
GAS PIPE



JOINT(Accessary)



ØA(ID)	ØB(OD)	Amount
12.7	9.52	1
28.6	25.4	1

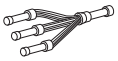
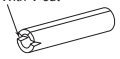
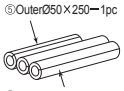
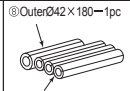


ØC(ID)	ØD(OD)	Amount
12.7	15.88	3
19.05	25.4	1
6.35	9.52	3
15.88	25.4	1
9.52	15.88	3

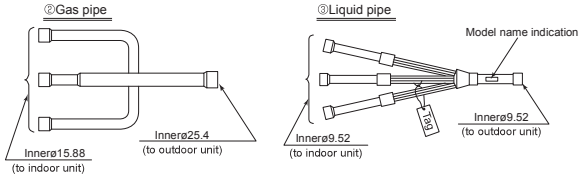
How to Use / How to Install

Package Air-conditioner Optional Parts Instruction Sheet for Simultaneous Triple 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 Instruction sheet	② Gas pipe	③ Liquid pipe	④ Pipe cover (for gas pipe)	⑤⑥ Pipe covers (for gas pipe)	⑦ Pipe cover (for liquid pipe)	⑧⑨ Pipe covers	⑩ Bands	⑪ Joint	⑫ Flare nut
 This sheet 1 sheet	 1pc	 1pc	 1pc		 2pcs		 8pcs	 See Table 1.	 For R410A 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 sealing tape
ⓑ Extension pipe for refrigerant pipe

Joint specifications and provided numbers <Table 1>

Sizes of joint pipe ends (mm)	Numbers provided
Ⓐ Outerø9.52−Innerø6.35	3
Ⓑ Outerø9.52−Innerø12.7	1
Ⓒ Outerø15.88−Innerø12.7	3
Ⓓ Outerø25.4−Innerø19.05	1
Ⓔ Outerø25.4−Innerø15.88	1
Ⓕ Outerø25.4−Innerø28.6	1
Ⓖ Outerø15.88−Innerø9.52	3

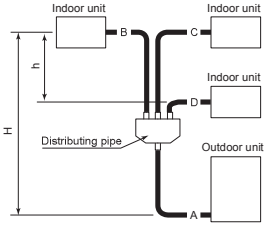
Pipe size and limit to refrigerant pipe

■For R410A inverter <Table 2>

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						
ZRP100	ø15.88 <5/8>	ø9.52 <3/8>	ø9.52 <3/8>	ø6.35 <1/4>	−	75m or less	|B−C| = 8m or less	H = 30m or less	h = 1m or less	15 or less
(ZR)P125, 140		ø12.7 <1/2>								
(ZR)P200	ø25.4 <1>	ø15.88 <5/8>	ø9.52 <3/8>	ø9.52 <3/8>	A + B = A + C = A + D = 100m or less	100m or less				
(ZR)P250			ø12.7 <1/2>							

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

<Fig. 1>



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 3>, pipe size <Table 1> and joint ⑪.
   • Be sure to observe the limits to refrigerant pipe length and number of bends <Table 2>.
   • Insert the refrigerant pipe (procured at local site) and joint ⑪ 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 ⑪ will be necessary depending on the capability of model used: See <Table 3>, 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 3>

Outdoor unit	Indoor unit	Joint to be used
ZRP100	35+35+35	Ⓒ Outerø25.4−innerø15.88[outdoor gas pipe side]×1, Ⓖ Outerø15.88−innerø9.52[indoor gas pipe side]×3, Ⓐ Outerø9.52−innerø6.35[indoor liquid pipe side]×3
(ZR)P125,140	50+50+50	Ⓒ Outerø25.4−innerø15.88[outdoor gas pipe side]×1 , Ⓒ Outerø15.88−innerø12.7[indoor gas pipe side]×3, Ⓐ Outerø9.52−innerø6.35[indoor liquid pipe side]×3
(ZR)P200	60+60+60	No Joint is necessary
(ZR)P250	71+71+71	Ⓑ Outerø9.52−innerø12.7[outdoor liquid pipe side]×1

Note 1: Installation positions in brackets [ ].