

Installation of copper-aluminum connecting pipe

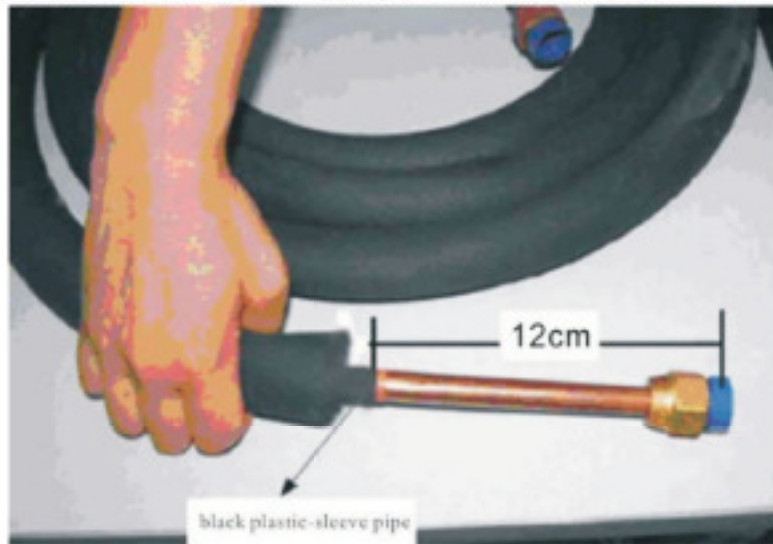
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1. Notices about installation

1.1 the judgement measures for copper-aluminum connecting pipe

frist: connecting pipe with pure-copper is heavier than that made of copper and aluminum in same length and same diameter. So in same condition, the lower weight's is copper-aluminum. This is one way of judgement, And then need to use another way to judge.

second: please move-up the heat-preservation pipe with 12cm , if you can see one black plastic-sleeve, then it is the copper-aluminum connecting pipe, if not, then it is a pure copper pipe. As shown in picture 1 and 2:



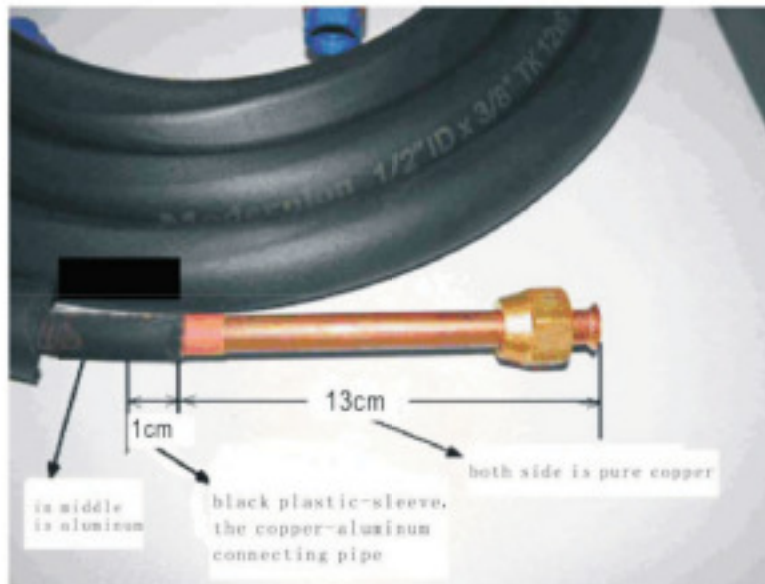
Picture 1 copper-aluminum pipe (with black plastic-sleeve pipe)



Picture 2 neat copper pipe (no black plastic-sleeve pipe)

1.2 constitutor with copper-aluminum

As shown in picture 3: both side is pure copper, and in middle is aluminum



Picture 3 constitutor with copper-aluminum

1.3 Crankling request of copper-aluminum pipe

1.3.1 Before installation ,you need to open out the pipe, please attention three steps,as follows :

Step 1: open out the pipe from slowly the farthest periphery of circle-pipe.



Step2 : During the process of opening out pipes, please use well-proportioned power, do not exert too much .at the same time ,the rate must be slowly.





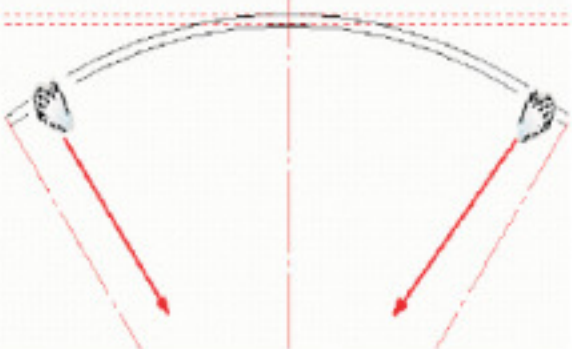

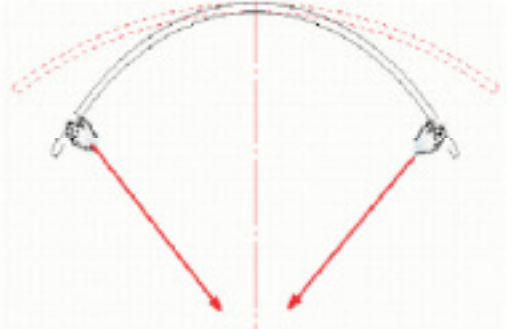
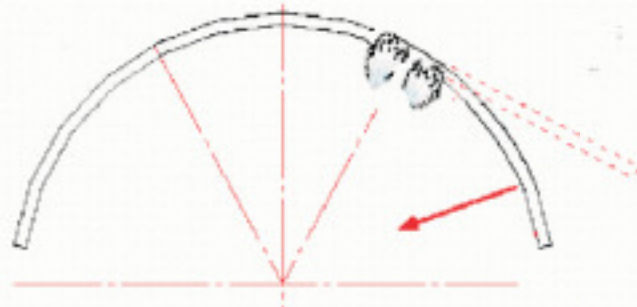
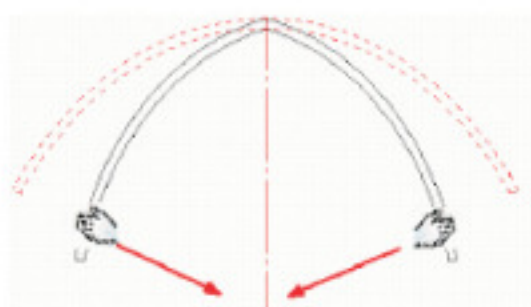
Step 3: open out the pipe completely, and then straighten the pipe, please pay attention to the power and the rate.



1.3.2 during the installation, please notice the request as follows:

- during the crankling , please keep a strict performing according to the table 1, and the winding radius by copper -aluminum pipe is bigger than 6cm. most of all ,do not crankle again and again in the same sinuosity .
- Special attention ,the connecting location by the end side of copper pipe and the aluminum pipe (distance is between 12-16cm from the end) is not allowed to be crankled ,if could not avoid ,please press slowly from the in side of cember by both thumbs (as shown in picture4 and picture5).
- the speed of crankle do not allowed too quick, the direction of crankle must along the original direction of crankle pipe.

Table 1 requests of crankle

	Correction manipulation	Wrong manipulation
Before crankle		Like left
Step 1	 <p>Holding pipe by the both hands and cranking pipe along the originally orientation ,and moving the hands step by step. and Attention ,do not crankle again and again in the same sinuosity. (Correct way)</p>	 <p>Cranking pipe from both end side, this way is wrong, and the power and the speed are out of control. (wrong way)</p>
Step 2	 <p>Holding pipe by the both hands and cranking pipe along the originally orientation ,and moving the hands step by step. Attention ,do not crankle again and again in the same sinuosity(correct way).</p>	 <p>Using the way, when the cranked radius is too small, the pipe will centralize more power, so it is very easy to resulting in the middle crankle being pressed flat)(wrong way)</p>
Step 3	 <p>Reaching to the goal radian step by step, attention to the cranked radius, it must fit request 1(correct way)</p>	 <p>Keep up with this way, the pipe will distort badly, so much as break down.</p>



picture4 don't crinkle in the weld- area with the copper pipe and the aluminum pipe, please keep straight in the weld-area.



Picture 5 if could not avoid ,please press slowly from side cember by both thumbs, please press slowly from inside cember with both thumbs(with weak and well-proportioned power) .

1.4 How to deal with the over-length of pipe

It's not allowed to cut truncate the over-length pipe at will, during installation. if the pipe is over-length, after enswathed the pipe ,you can coil the pipe in outdoor-unit rear,as show in picture 6 .(you can coil the pipe as picture6):



Picture 6 coiling well the over-length pipe

1.5 How to deal with the short-length of pipe .

When the pipe's length is shorter than need, please lengthen the copper-pipe from either section of the copper pipes, before welding, the welding location should be as far as possible from the spot where the copper and aluminum are connected.

When welding, the connecting part of copper-aluminum pipe must be protected with wet towel, which should be close to the welding part ,in order to protect the joint of copper-aluminum pipe from high temperature. As shown in picture 7



Picture 7 lengthen pipe by locale handle sketch map