

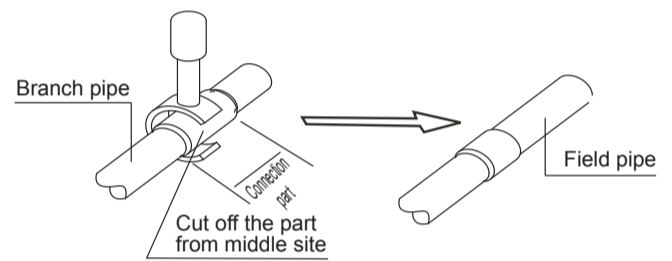
INDOOR UNIT BRANCH PIPE INSTALLATION MANUAL

Thank you very much for purchasing our air conditioner, Before using your air conditioner, please read this manual carefully and keep it for future reference.
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Branch List

Name	Gas side joints (inch)	Liquid side joints (inch)	Heat insulation material	Model selection and incision guide																																				
FQZHN-01D			 (2 sets)	<div style="border: 1px solid black; padding: 5px;"> <h3>Selection for R410A Model</h3> <p>For R410A, how to select indoor unit branch pipes</p> <table border="1"> <thead> <tr> <th>Down side indoor unit capacity A (×1000BTU)</th> <th>Liquid side inch</th> <th>Air side inch</th> <th>Name of indoor unit branch pipe</th> </tr> </thead> <tbody> <tr> <td>$A < 56$</td> <td>3/8</td> <td>5/8</td> <td>FQZHN-01D</td> </tr> <tr> <td>$56 \leq A < 78$</td> <td>3/8</td> <td>3/4</td> <td>FQZHN-01D</td> </tr> <tr> <td>$78 \leq A < 112$</td> <td>3/8</td> <td>7/8</td> <td>FQZHN-02D</td> </tr> <tr> <td>$112 \leq A < 156$</td> <td>1/2</td> <td>1-1/8</td> <td>FQZHN-03D</td> </tr> <tr> <td>$156 \leq A < 224$</td> <td>5/8</td> <td>1-1/8</td> <td>FQZHN-03D</td> </tr> <tr> <td>$224 \leq A < 314$</td> <td>3/4</td> <td>1-3/8</td> <td>FQZHN-04D</td> </tr> <tr> <td>$314 \leq A < 460$</td> <td>3/4</td> <td>1-5/8</td> <td>FQZHN-05D</td> </tr> <tr> <td>$460 \leq A$</td> <td>7/8</td> <td>1-5/8</td> <td>FQZHN-05D</td> </tr> </tbody> </table> </div>	Down side indoor unit capacity A (×1000BTU)	Liquid side inch	Air side inch	Name of indoor unit branch pipe	$A < 56$	3/8	5/8	FQZHN-01D	$56 \leq A < 78$	3/8	3/4	FQZHN-01D	$78 \leq A < 112$	3/8	7/8	FQZHN-02D	$112 \leq A < 156$	1/2	1-1/8	FQZHN-03D	$156 \leq A < 224$	5/8	1-1/8	FQZHN-03D	$224 \leq A < 314$	3/4	1-3/8	FQZHN-04D	$314 \leq A < 460$	3/4	1-5/8	FQZHN-05D	$460 \leq A$	7/8	1-5/8	FQZHN-05D
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Incision



Installation Notices

- Select the branch pipes' model according to the Model Selection Guide and the downstream indoor unit capacity.
- According to the actual piping size and cut off the needless parts with special tools such as cutter, take the FQZHN-01D gas side for example and the operating steps as follow:
 - When selecting model FQZHN-01D, the actual object as display in Fig.1, and then suppose that the present using pipe is 5/8", then as display in Fig.2, cut the welded pipe of the branch pipe component.
 - As display in Fig.2, cut the standalone connecting pipe.
 - As display in Fig.3, weld the branch pipe components with the field pipes.
- Particularly notice the followings:
 - When the actual pipe size matches with the un-welded side of U-shape three direct links, weld the pipe with the U-shape three direct links directly.
 - For the separate un-welded connecting pipe of FQZHN-04D, as display in Fig. 3, please cut in the bottom of the necking side if the flaring side is needed to be used, and vice versa.



Fig.1

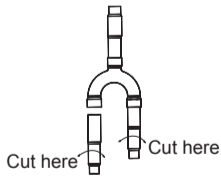


Fig.2

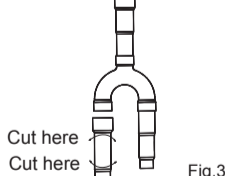
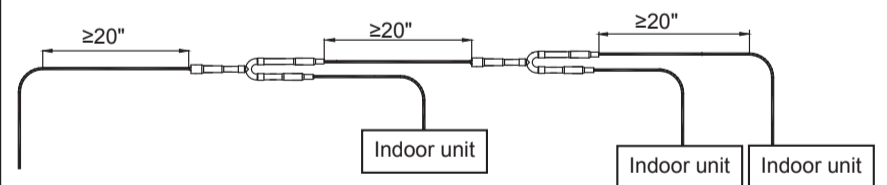


Fig.3

Installation Precaution

Pay attention to the distance of straight horizontal pipe.

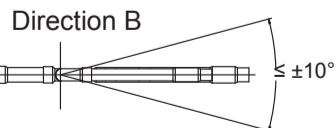
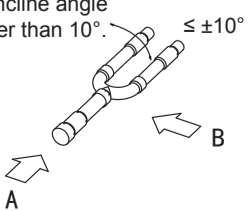


- The straight horizontal pipe's distance between two adjacent branch pipes should $\geq 20"$
- Distance between two adjacent branches should $\geq 20"$.
- The straight horizontal pipe's distance which outdoor unit connecting behind the branch pipe should $\geq 20"$

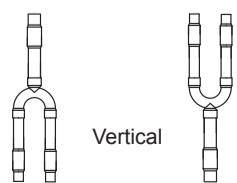
Horizontally Placing Branch Pipe



A horizontally incline angle should not larger than 10°.

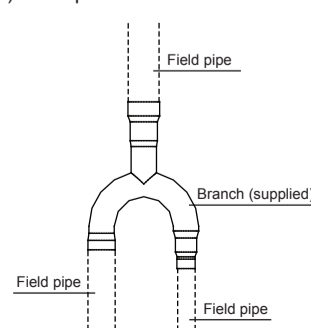


Vertical

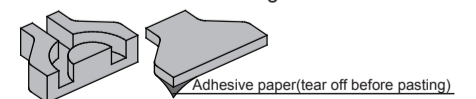


Heat insulation

Be sure to insulate the branches against heat
1) Example of connected branch.



2) Use the supplied heat insulation material to insulate the branches against heat.



3) Apply the heat insulation material and seal all connections with tape.

