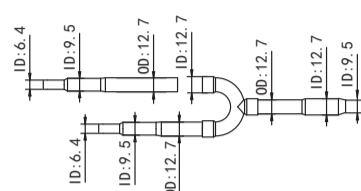
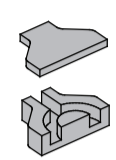
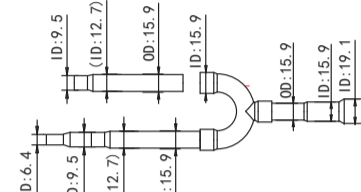
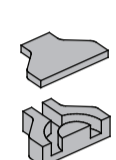
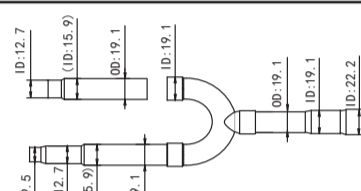
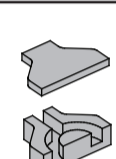
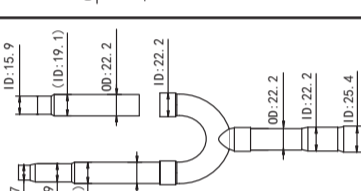
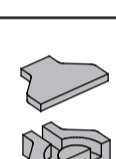
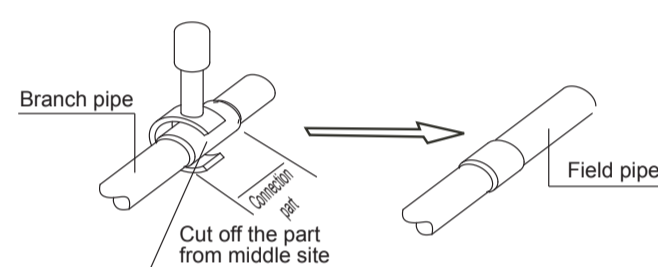


DX AHU CONTROL BOX BRANCH PIPE INSTALLATION MANUAL

MD14I-061AW
202000172666

Thank you very much for purchasing our DX AHU Before using your DX AHU , please read this manual carefully and keep it for future reference.

Branch List

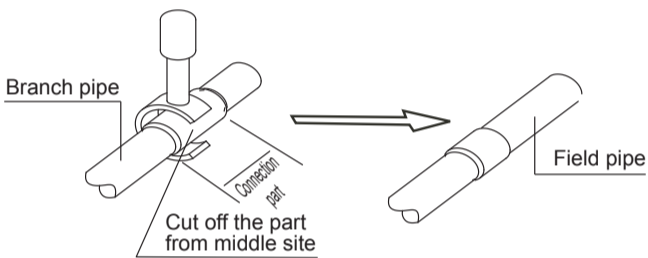
Name	Liquid side joints	Heat insulation material	Model selection and incision guide															
CE-FQZHD-01	 (2 sets)	 (2 sets)	<div>Selection for R410A Model For R410A,how to select DX AHU branch pipes <table><tr><th>Capacity of controller box A(×100W)</th><th>Liquid side(mm)</th><th>Available branch joint</th></tr><tr><td>200<A<460</td><td>Φ12.7</td><td>FQZHD-01</td></tr><tr><td>460≤A<660</td><td>Φ15.9</td><td>FQZHD-02</td></tr><tr><td>660≤A<1350</td><td>Φ19.1</td><td>FQZHD-03</td></tr><tr><td>1350≤A</td><td>Φ22.2</td><td>FQZHD-04</td></tr></table></div>	Capacity of controller box A(×100W)	Liquid side(mm)	Available branch joint	200<A<460	Φ12.7	FQZHD-01	460≤A<660	Φ15.9	FQZHD-02	660≤A<1350	Φ19.1	FQZHD-03	1350≤A	Φ22.2	FQZHD-04
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1350≤A	Φ22.2	FQZHD-04																
CE-FQZHD-02	 (2 sets)	 (2 sets)																
CE-FQZHD-03	 (2 sets)	 (2 sets)																
CE-FQZHD-04	 (2 sets)	 (2 sets)	<div>Incision </div>															

Selection for R410A Model

For R410A,how to select DX AHU branch pipes

Capacity of controller box A(×100W)	Liquid side(mm)	Available branch joint
200<A<460	Φ12.7	FQZHD-01
460≤A<660	Φ15.9	FQZHD-02
660≤A<1350	Φ19.1	FQZHD-03
1350≤A	Φ22.2	FQZHD-04

Incision



Installation Notices

- 1) Select the branch pipes' model according to the Model Selection Guide and the downstream DX AHU control box capacity.
- 2) According to the actual piping size and cut off the needless parts with special tools such as cutter, take the FQZHD-01 Liquid side for example and the operating steps as follow:
 - a.When selecting model FQZHD-01, the actual object as display in Fig.1, and then according to the Model Selection Guide using pipe is Φ12.7 , then as display in Fig.2, cut the welded pipe of the branch pipe component.
 - b.As display in Fig.2, cut the standalone connecting pipe.
 - c.weld the branch pipe components with the field pipes.



Fig.1

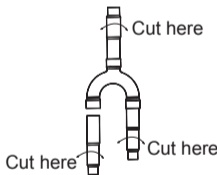
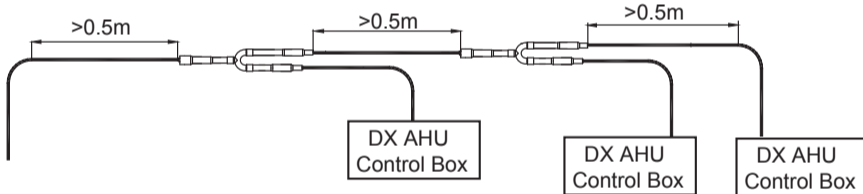


Fig.2

Installation Precaution

Pay attention to the distance of straight horizontal pipe.

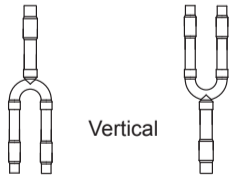
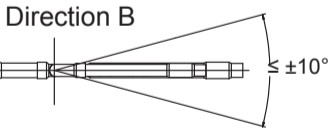
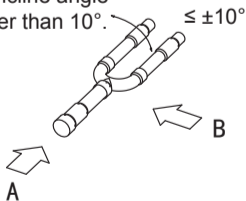


- a.The straight horizontal pipe's distance between two adjacent branch pipes should $\geq 0.5\text{m}$.
- b.Distance between two adjacent branches should $\geq 0.5\text{m}$.
- c.The straight horizontal pipe's distance which DX AHU Control Box connecting behind the branch pipe should $\geq 0.5\text{m}$.

Horizontally Placing Branch Pipe



A horizontally incline angle should not larger than 10° .

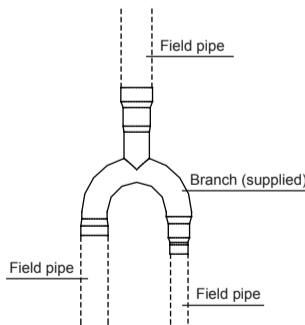


Vertical

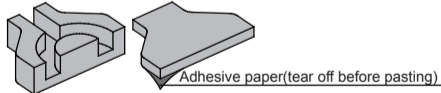
Heat insulation

Be sure to insulate the branches against heat

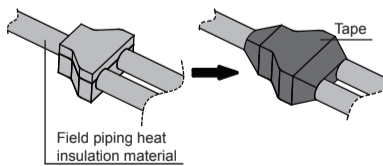
1) Example of connected branch.



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.



Installation Notices

note: The connecting distance of each control box and indoor unit should not more than 8 m

$$a2+L4 \leq 8\text{m} \quad b2+L2+L4 \leq 8\text{m} \quad c2+L2+L4 \leq 8\text{m}$$

