

# OUTDOOR UNIT BRANCH PIPE INSTALLATION

MDV08I-034aW  
202000171080

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.

## BRANCH LIST

Table.1

| Name        | Gas side joints | Liquid side joints | Converter pipe (gas pipe used) | Converter pipe (liquid pipe used) | Gas balance joint 1 | Gas balance joint 2 | Oil balance |
|-------------|-----------------|--------------------|--------------------------------|-----------------------------------|---------------------|---------------------|-------------|
| FQZHW-01N1A |                 |                    |                                |                                   |                     |                     |             |
| FQZHW-01N1B |                 |                    |                                |                                   |                     |                     |             |
| FQZHW-02N1  |                 |                    |                                |                                   |                     |                     |             |
| FQZHW-03N1  |                 |                    |                                |                                   |                     |                     |             |
| FQZHW-04N1  |                 |                    |                                |                                   |                     |                     |             |

Note:FQZHW-01N1A and FQZHW-01N1B can not be used individually, which must cooperate with FQZHW-02N1 or FQZHW-03N1. FQZHW-03N1=FQZHW-02N1+FQZHW-01N1A; FQZHW-04N1=FQZHW-03N1+FQZHW-01N1B.

## CHOICE

Branch pipes for outdoor unit Table.2

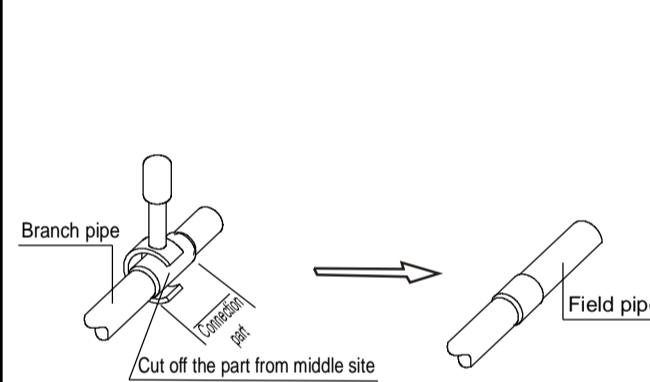
| Quantity of outdoor units | Branch pipe |
|---------------------------|-------------|
| 2                         | FQZHW-02N1  |
| 3                         | FQZHW-03N1  |
| 4                         | FQZHW-04N1  |

## PIPE SIZE

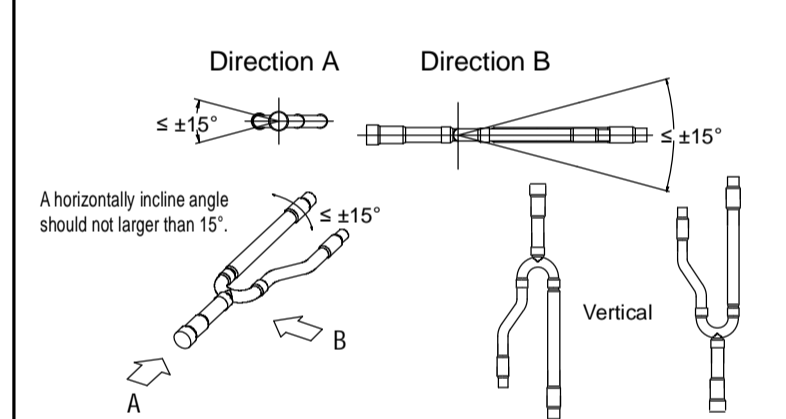
Size of joint pipes for R410A outdoor unit Table.3

| Capacity for outdoor units | When the equivalent length of all liquid pipes < 90m |                 | When the equivalent length of all liquid pipes ≥ 90m |                 |
|----------------------------|--|-----------------|--|-----------------|
|                            | Gas side(mm)   | Liquid side(mm) | Gas side(mm)   | Liquid side(mm) |
| 8HP                        | Φ22.2  | Φ12.7           | Φ22.2  | Φ12.7           |
| 10_12HP                    | Φ25.4  | Φ12.7           | Φ25.4  | Φ12.7           |
| 14_16HP                    | Φ28.6  | Φ12.7           | Φ31.8  | Φ15.9           |
| 18_22HP                    |  | Φ15.9           | Φ31.8  | Φ19.1           |
| 24HP                       | Φ34.9  | Φ19.1           | Φ34.9  | Φ19.1           |
| 26_34HP                    | Φ41.3  | Φ19.1           | Φ38.1  | Φ22.2           |
| 36_48HP                    |  | Φ19.1           | Φ41.3  | Φ22.2           |
| 50_64HP                    | Φ44.5  | Φ22.2           | Φ44.5  | Φ25.4           |

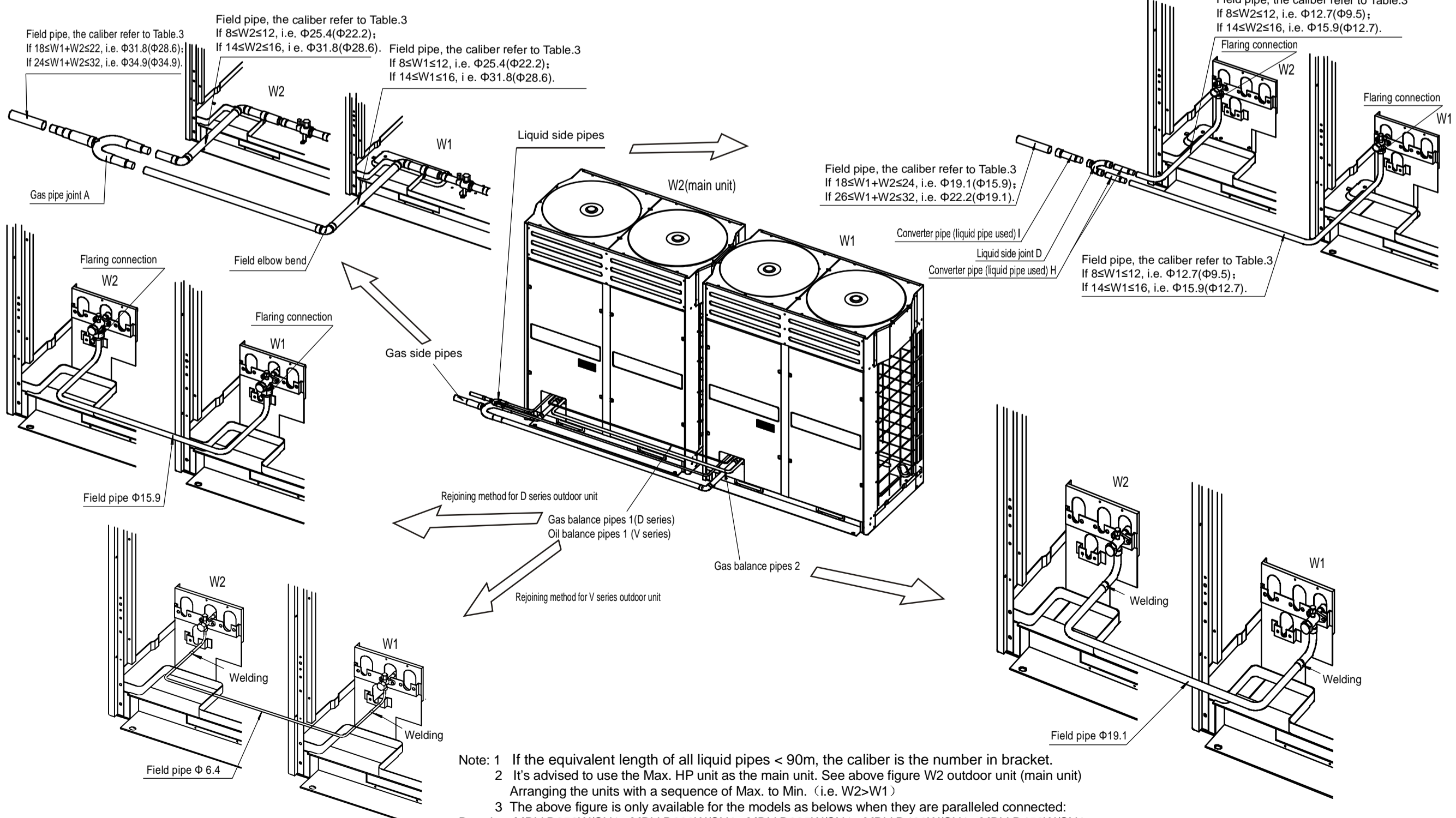
## INCISION



## HORIZONTALLY OR VERTICALLY PLACING BRANCH



## APPEARANCE AND CONNECTION SKETCH OF FQZHW-02N1



- Note: 1 If the equivalent length of all liquid pipes < 90m, the caliber is the number in bracket.  
2 It's advised to use the Max. HP unit as the main unit. See above figure W2 outdoor unit (main unit) Arranging the units with a sequence of Max. to Min. (i.e. W2>W1)  
3 The above figure is only available for the models as follows when they are paralleled connected:  
D series: MDV-D252W/SN1 MDV-D280W/SN1 MDV-D335W/SN1 MDV-D400W/SN1 MDV-D450W/SN1  
V series: MDV-252(8)W/DSN1 MDV-280(10)W/DSN1 MDV-335(12)W/DSN1 MDV-400(14)W/DSN1 MDV-450(16)W/DSN1

