



VRF

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INSTALLATION INSTRUCTIONS

Branch Pipe Kit for Indoor Units Larger than 054k Btus



VRF SYSTEMS -- BRANCH PIPE KITS
507926-01
12/2018

THIS MANUAL MUST BE LEFT WITH THE OWNER FOR FUTURE REFERENCE

These instructions are intended as a general guide and do not supersede local codes in any way. Consult authorities having jurisdiction before installation.

Use the branch pipe kit to combine two ports on a mode selection box or header pipe in order to connect to an indoor unit larger than 054k Btus.

Shipping and Packing List

Package 1 of 1 contains:

Header Pipe Kit	Gas Pipe Branch	Liquid Pipe Branch	Insulation
V81DBP06 Cat No. 17U31			 (2 sets)

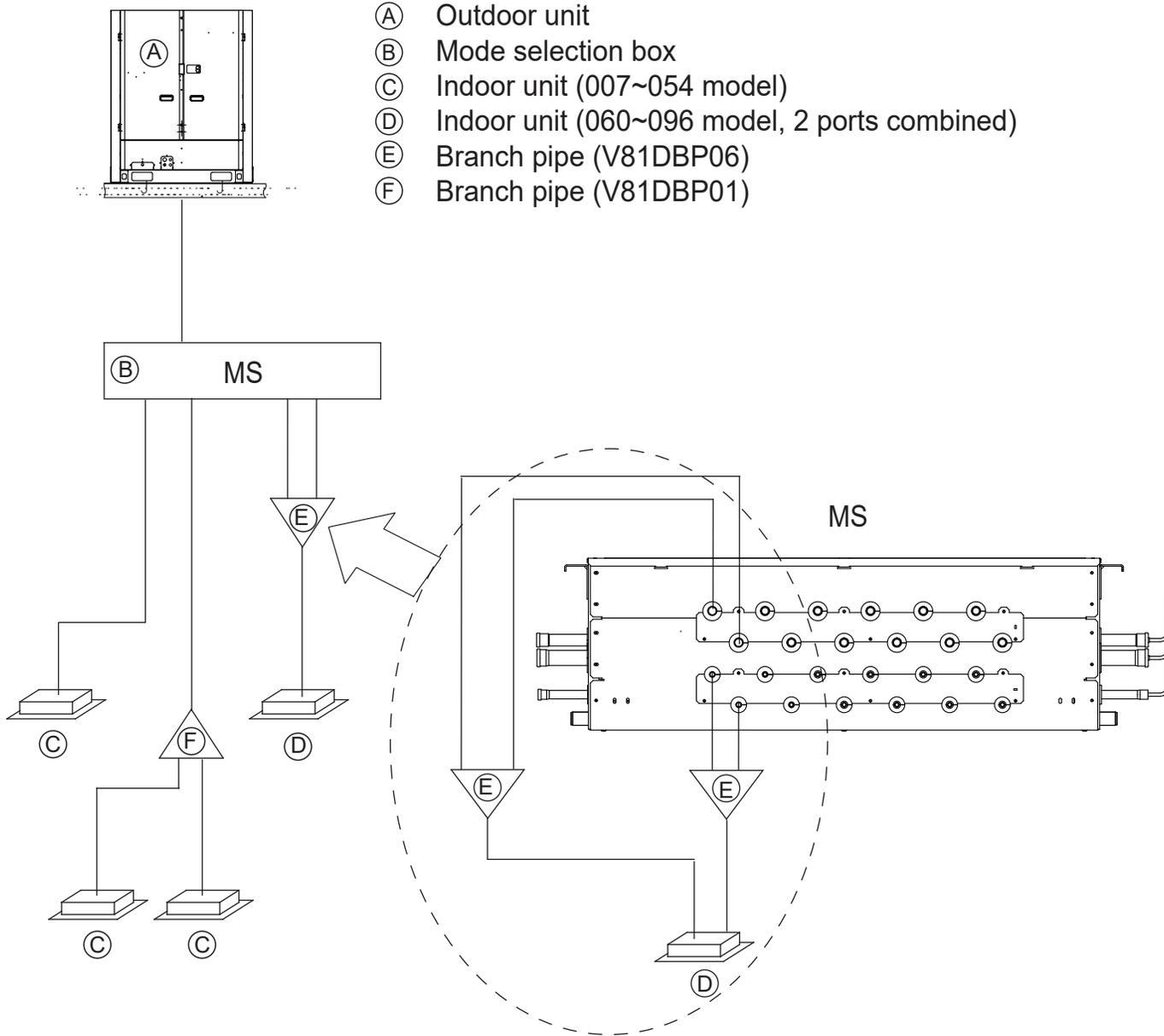
Table 1. Branch Pipe Specifications

Model	V81DBP06	
Max. total capacity of downstream indoor unit	96kBTU	
Max. number of downstream indoor units	1	
Branch piping diameter (liquid pipe)	Inlet	Outlet
	3/8 in.	3/8
Branch piping diameter (gas pipe)	Inlet	Outlet
	5/8 in.	7/8 in.

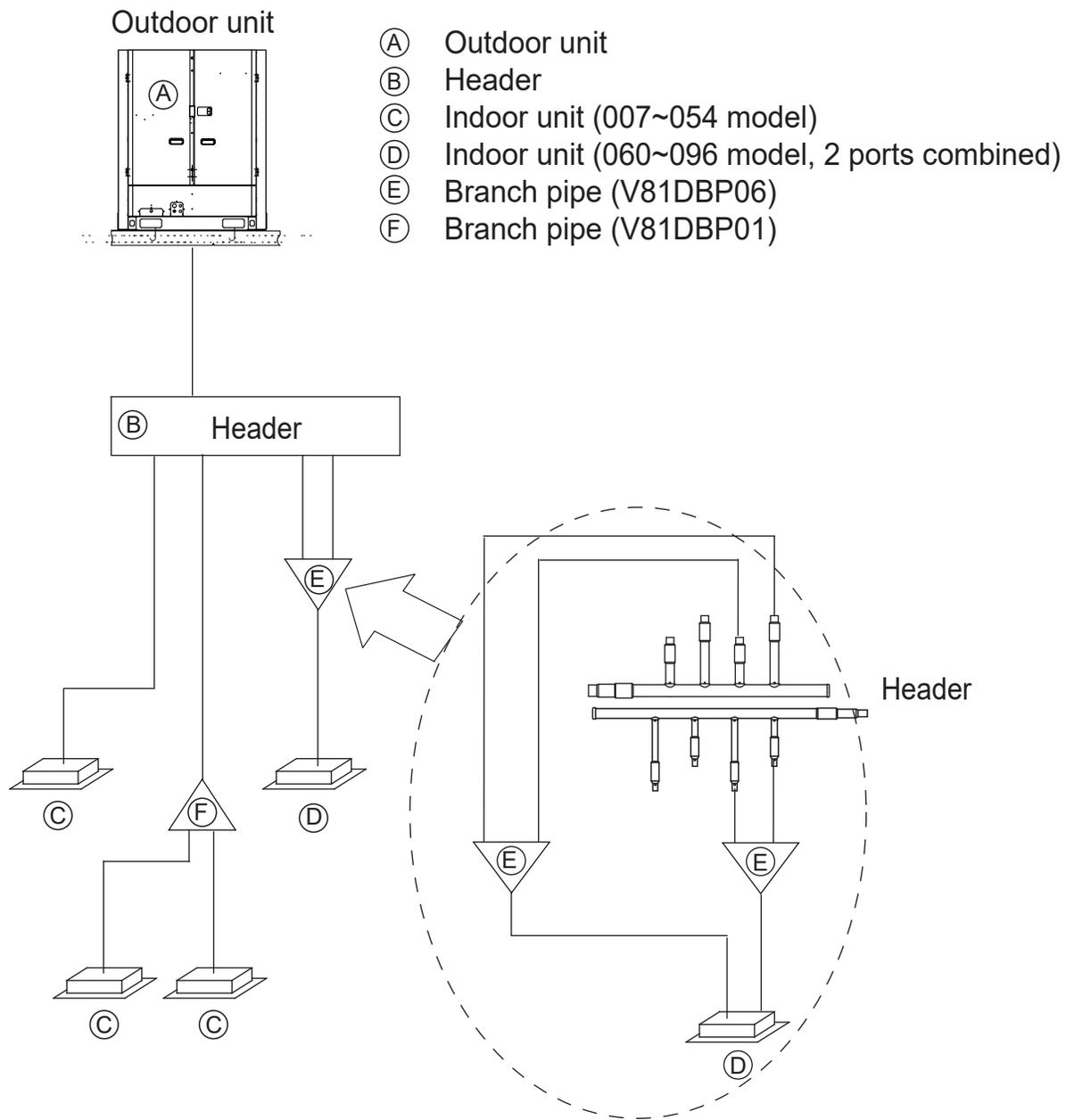
Refrigerant Piping Details - Mode Selection Box

Outdoor unit

- (A) Outdoor unit
- (B) Mode selection box
- (C) Indoor unit (007~054 model)
- (D) Indoor unit (060~096 model, 2 ports combined)
- (E) Branch pipe (V81DBP06)
- (F) Branch pipe (V81DBP01)



Refrigerant Piping Details - Header



Branch Pipe Kit Placement

⚠ CAUTION

24" minimum straight pipe required after branch pipe kit to prevent capacity loss and equipment damage.

Provide 24 to 36 inches of straight pipe after each branch pipe kit to avoid creating refrigerant turbulence and flash points.

Failure to follow 24 inch minimum guideline can lead to reduced capacity and equipment damage.

Support piping on both sides of the header kit.

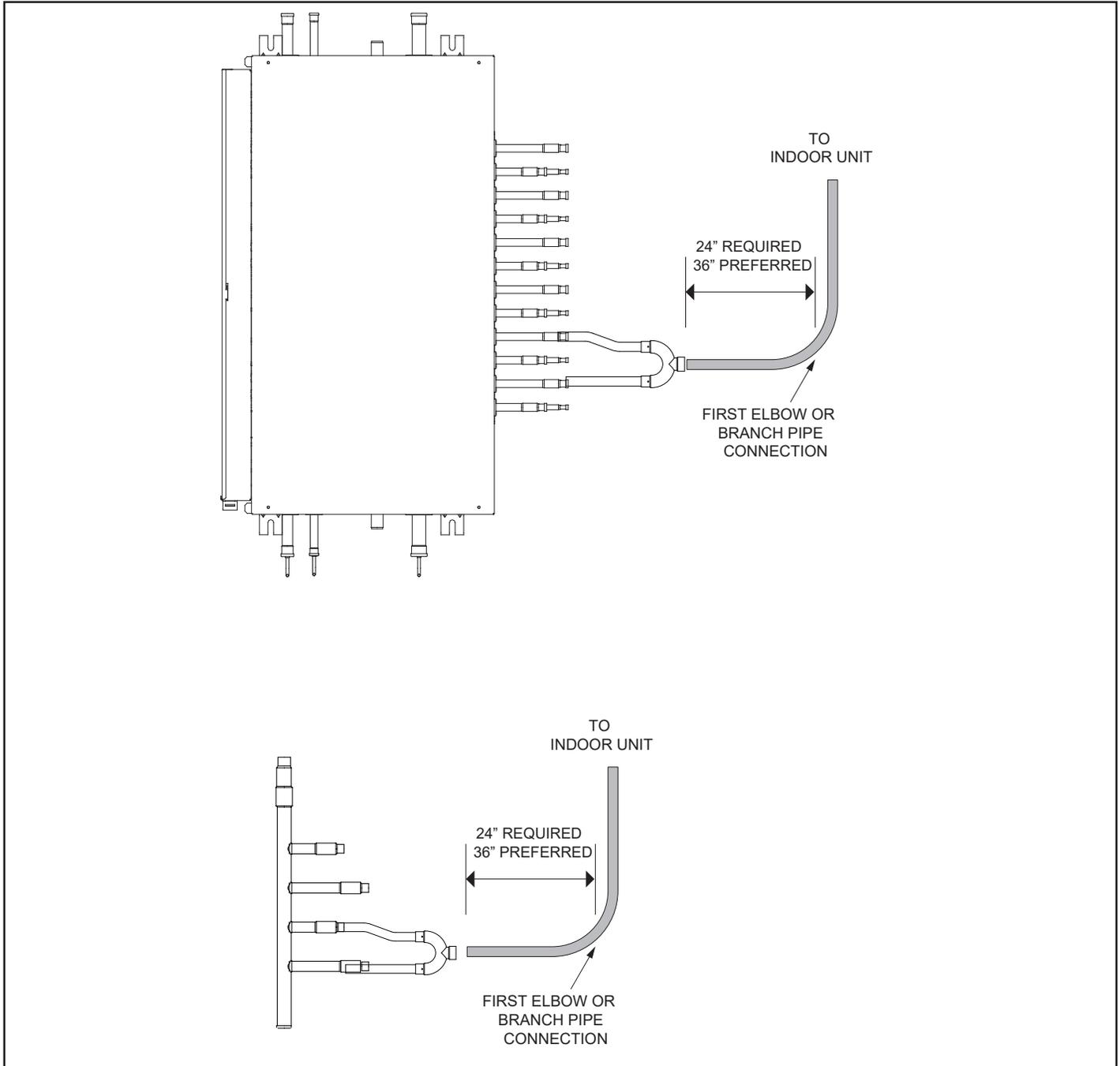


Figure 2. 24 to 36" of Straight Pipe Before and After Branch Pipe Kit

Installation

- Keep all components sealed until brazing.
- Field provided piping consists of one HVAC/R rated copper line connected to each one of branches in the branch pipe kit.
- Final equipment connections must be brazed or flared connections. Compression or other types of fittings are not permitted for final connections.
- Refrigerant lines must be connected by a qualified technician in accordance with established procedures.
- Copper-phosphorous brazing alloys are to be used to join all pipework connections where applicable.
- Always flow/purge nitrogen to avoid oxidation while brazing.
- After refrigerant piping has been installed and checked for leaks, apply the provided insulation over the header kit. All lines must be individually insulated.
- Refer to the outdoor unit installation instructions and product specifications (EHB) bulletin for more detailed information on refrigerant piping connections.

Technical Support

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