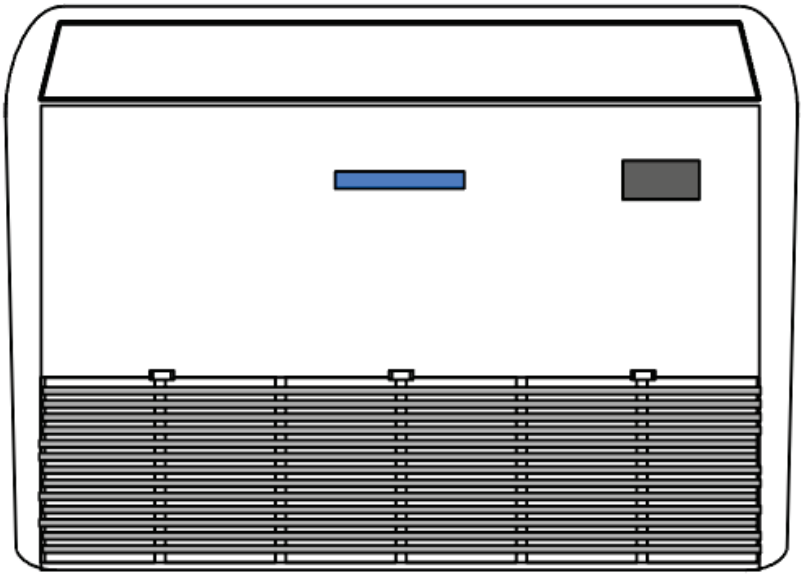
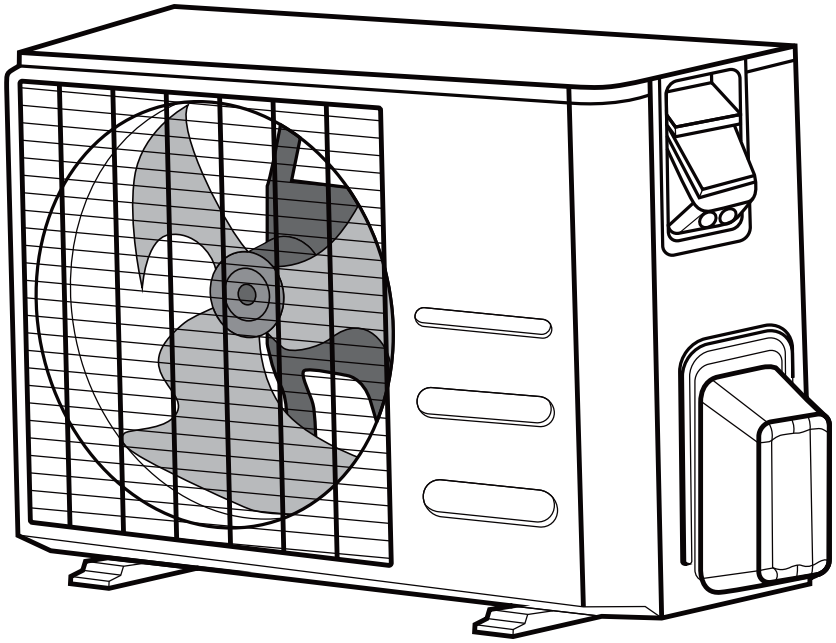
BLUERIDGE®

S4 FLOOR CEILING QUICK INSTALL GUIDE

S4 Floor Ceiling Ductless Mini-Split for Heating & Cooling





MODELS

BMY18HH22FCC
BMY24HH20FCC

Some models

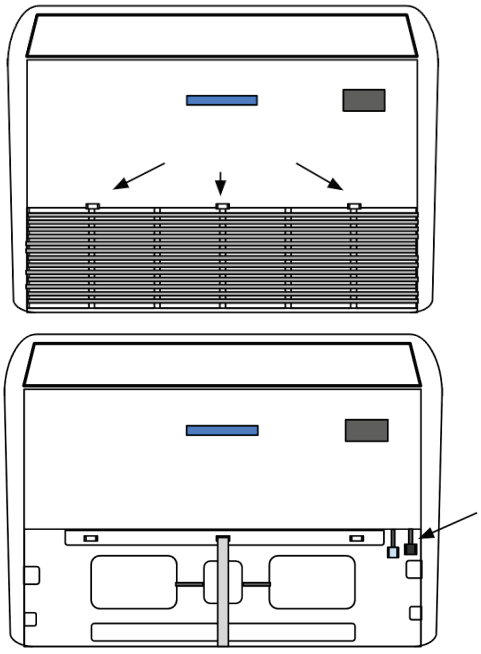
UL LISTED

AHRI CERTIFIED™ www.ahridirectory.org

PREP FOR INSTALL

1

Your indoor air handler has been pre-pressurized with nitrogen.

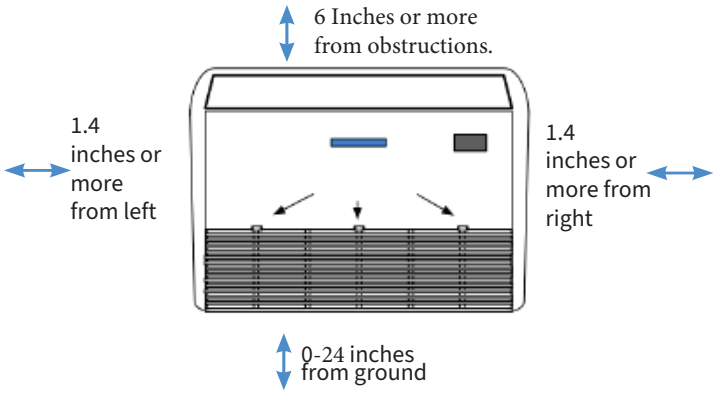


- Pull down the three tabs and remove the screws.
- Swing down the grille, exposing the inside of the unit.
- Locate the copper tubes
- Loosen the cap on either of the 2 insulated copper tubes.
- You should hear a hissing noise, which is the release of this harmless gas.
- Allow all of the nitrogen to escape the line, re-tighten the cap, and repeat this process for the other copper tube.

If you don't hear a hissing noise when loosening the cap, please call us at 800.865.5931.

2

Choose the place for the indoor unit on an exterior (outermost) wall.

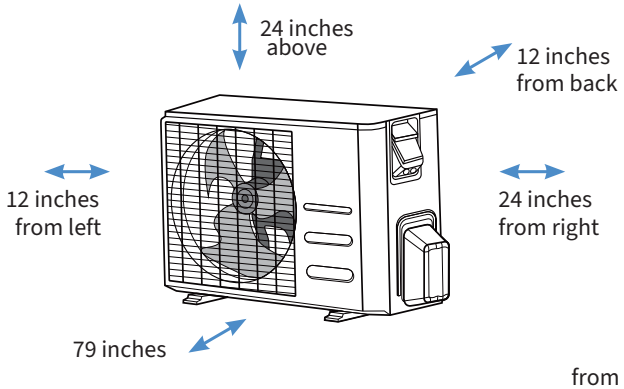


Maintain listed clearances. Installing the indoor unit close to the floor is recommended.

If you select not to install the air handler on an exterior wall or install the indoor unit horizontally, please see full Owner & Install manual.

3

Choose the location to place the outdoor unit.



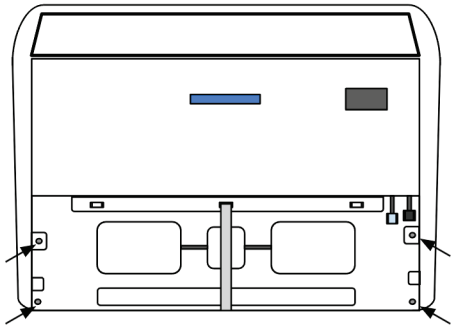
If used for heating, it is recommended to raise the outdoor unit to allow for proper drainage and keep it clear of expected snowfall (if applicable).

Maintain listed clearances

INDOOR UNIT

4

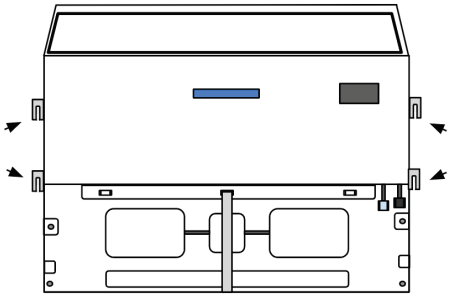
Prepare to remove the side panels.



The lower two screws are on the bottom of the unit.

5

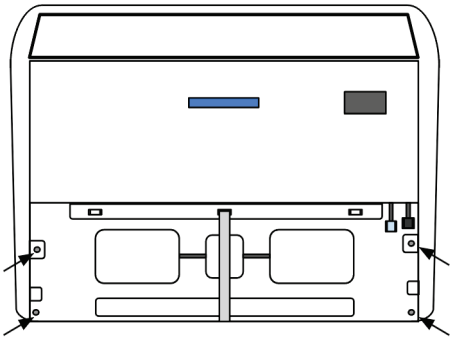
Remove the side panels by lifting them up and pulling them off. This exposes the mounting brackets.



Secure the unit to wall studs with lag screws. If attaching to another wall type, use the appropriate mounting fasteners. Mounting fasteners, not included.

6

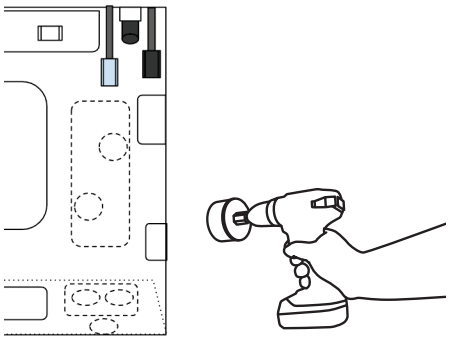
Reattach the side panels.



The lower two screws are on the bottom of the unit.

7

Drill hole through the wall, maintaining a slight pitch downwards to aid outside drainage.



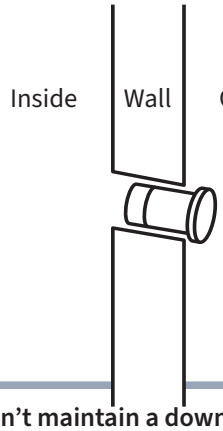
There are knockouts on the lower, rear, right side, and the bottom of the indoor unit. Using the bottom knockout is recommended for most installations.

Hole must be free of electrical wiring, plumbing, or other obstructions.

INDOOR UNIT

8

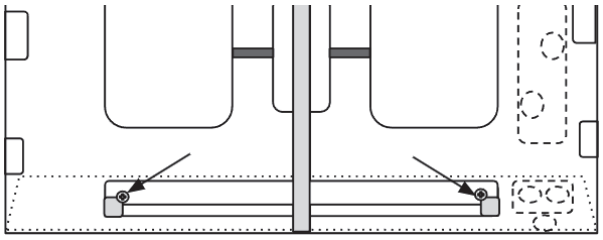
Insert wall sleeve through the wall with the flange facing the exterior.



If you can't maintain a downwards pitch, you must install a condensate pump.

9

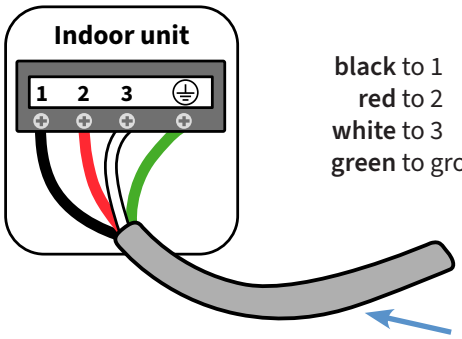
Remove the two forward facing screws from the control board cover.



Remove the cover exposing the wire connections.

10

Connect wires to indoor unit.

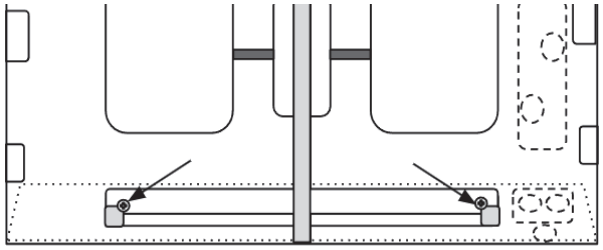


black to 1
red to 2
white to 3
green to ground

14/4 stranded wire

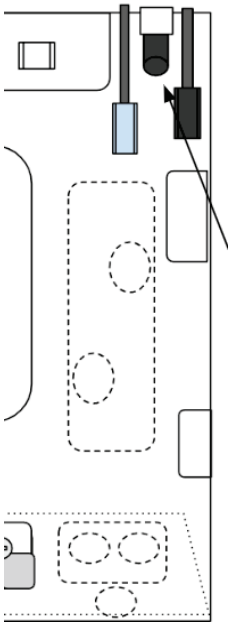
11

Reconnect the connect the control board cover.



12

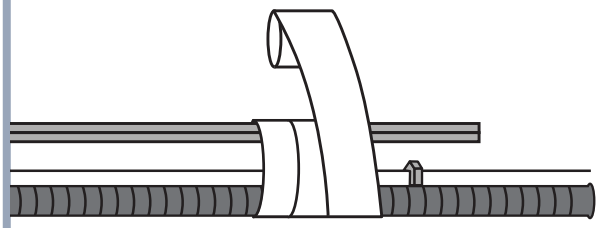
Attach the drain and prepare the connecting line set, drain, and wires.



Drain connection.
Use included adapter and 3/4 PVC (not included), or included flexible drain adapter and seven foot flexible drain hose (included).

13

Bundle the line set, drain, and connection wires together, keeping drain line on bottom.



Use PVC electrical tape to secure every 3-4 feet, then install zip ties over taped sections.

Do not overtighten tape and zip ties, as that will crimp the line set.

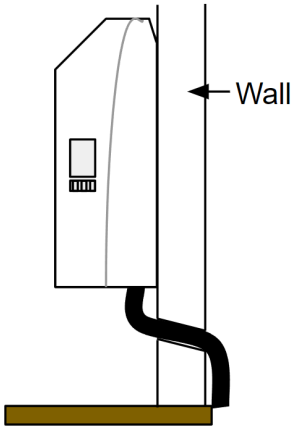
The minimum line set is 10 feet. If that length is longer than needed, reposition the outdoor unit or horizontally coil the refrigerant lines after connection.

14

Bend the line set on the exterior of the wall towards the outdoor unit.

Run the drain to the ground, at least 12 inches from the structure.

When bending, do not kink the line se



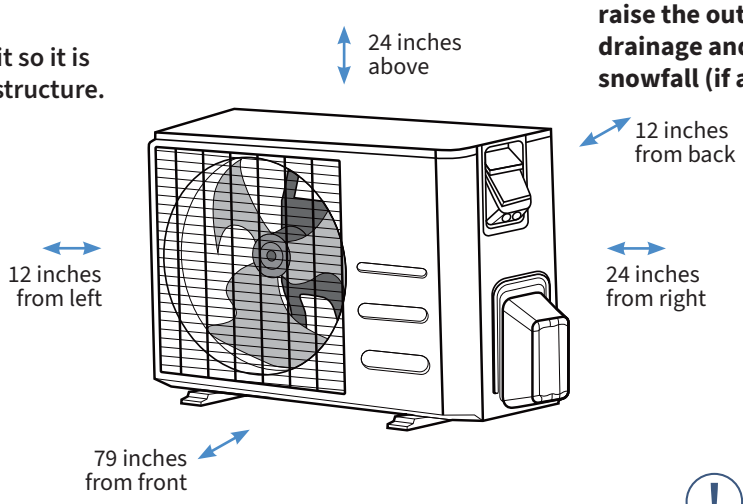
With lines larger than 3/8 inch OD, use of a tubing bender is recommended.

15

Mount on a pad, bracket, or stand.

Position the outdoor unit so it is blowing away from the structure.

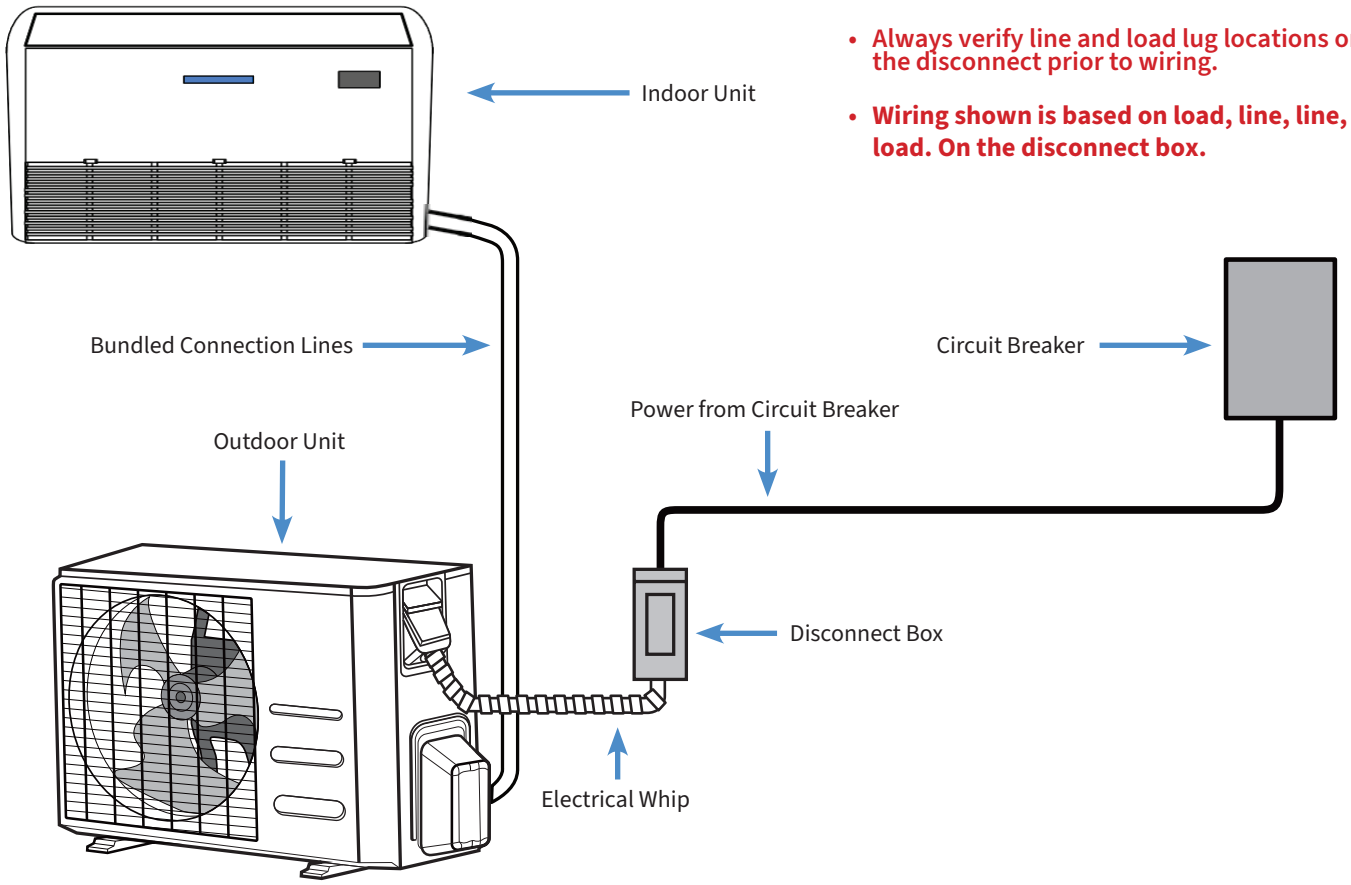
If used for heating, it is recommended to raise the outdoor unit to allow for proper drainage and keep it clear of expected snowfall (if applicable).



Maintain listed clearances

ELECTRICAL

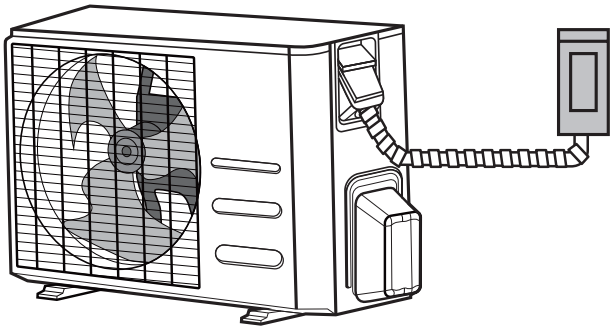
- Any high voltage electrical installation should be performed by an electrician or contractor.
- Make sure the electricity is off.
- Follow all local and national electrical codes.
- Always verify line and load lug locations on the disconnect prior to wiring.
- **Wiring shown is based on load, line, line, load. On the disconnect box.**



16

Using correct size breaker and wire, run the power to the disconnect box mounted beside the outside unit.

- Connect the indoor unit to the outdoor unit.
- Connect the outdoor unit to the disconnect box with the electrical whip.



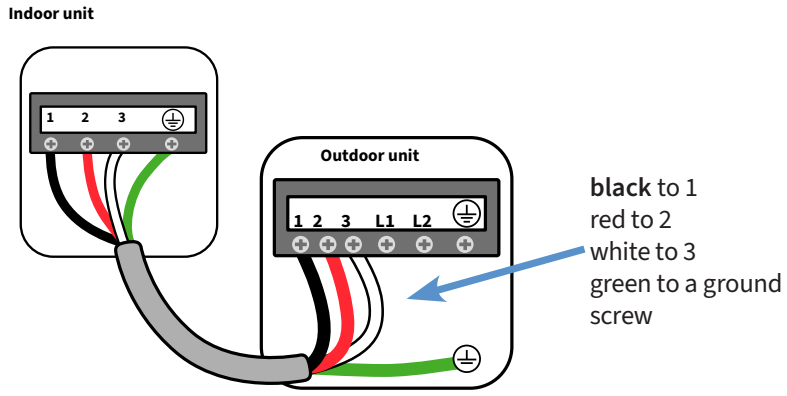
See next page for wiring diagrams

FOR 208/240 VOLT SYSTEM

Wiring shown is based on load, line, line, load on the disconnect box.

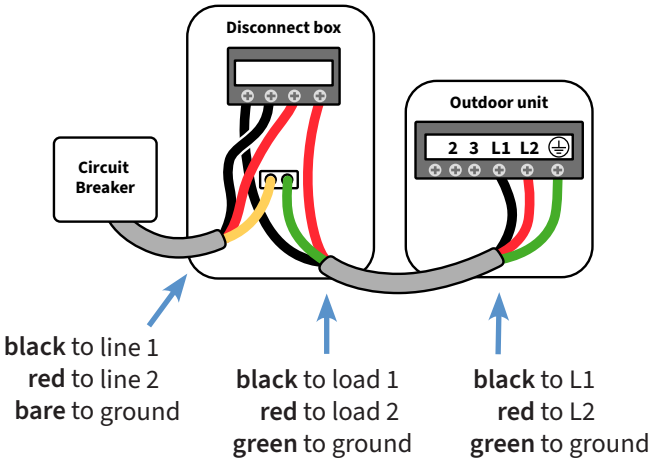
16

Connect indoor unit to the outdoor unit.



17

Connect outdoor unit to disconnect box.

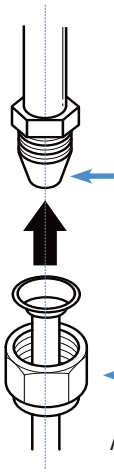


REFRIGERANT | INDOOR UNIT

Warning: Refrigerant handling should be done by a trained professional.

19

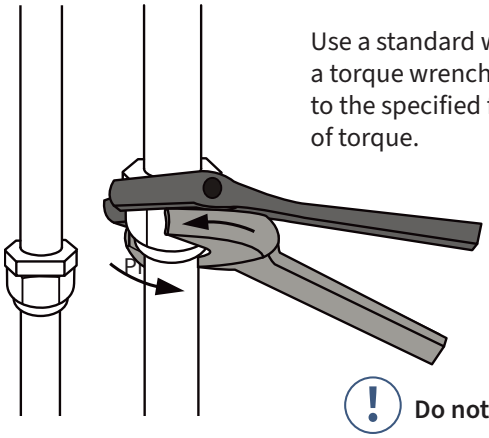
Remove caps from the line set connections on air handler.



Apply a couple of drops of Nylog sealant to the male side of the flare connection.

20

Connect the additional length of line set to the line set on the back of the indoor unit.



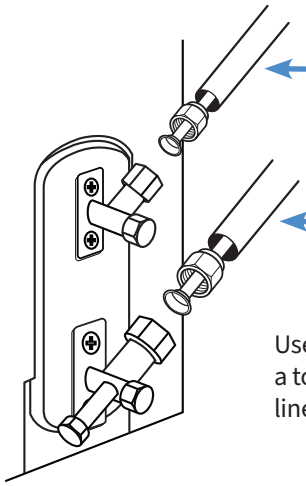
Use a standard wrench and a torque wrench to tighten to the specified foot pounds of torque.

Do not over-tighten

REFRIGERANT | OUTDOOR UNIT

21

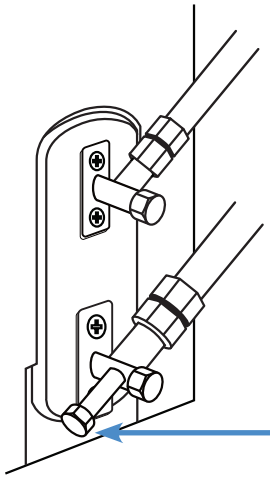
Remove caps from the outdoor unit.



Use Nylog sealant, wrench, and a torque wrench to connect the line sets to the outdoor unit.

22

Remove cap from the service port on the suction line and perform a pressure test to 300 - 350 psi from the outdoor unit.

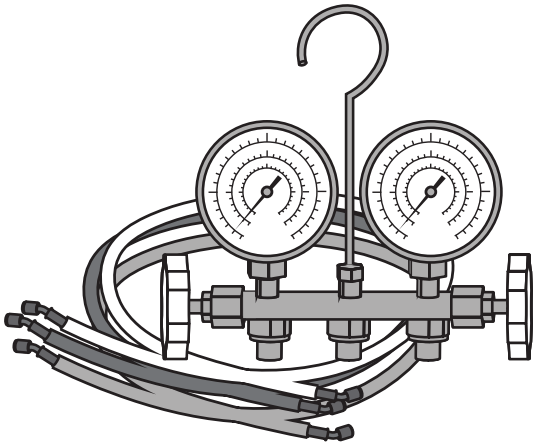


- Spray all joints with a soapy water solution and look for bubbles.
- If no bubbles are present, pull a vacuum down to 500 microns or lower.

Warning: Refrigerant handling should be done by a trained professional.

23

After creating the vacuum, close the valves to the vacuum pump.

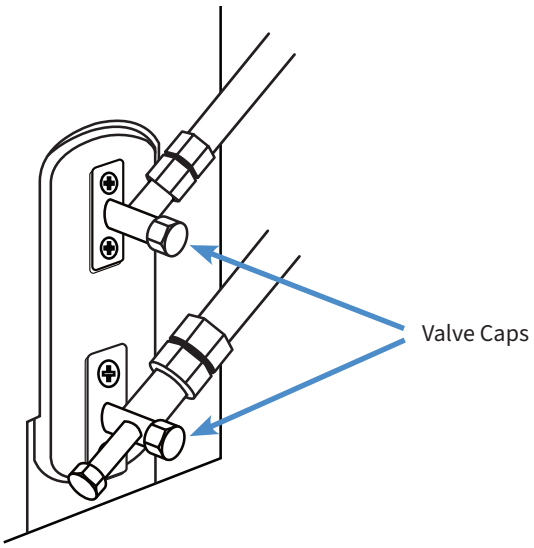


Add refrigerant if the line set used is more than 25 feet in length.

- **Add 0.16 oz per foot past 25 if using ¼ inch OD liquid lines (In 0.75, 1.0, and 1.5 ton models)**
- **Add 0.32 oz per foot past 25 if using ⅜ inch OD liquid lines (In 2.0 ton models)**

24

Open horizontal facing valve caps.



- Use a 5mm allen wrench (hex key) to fully open the lower and then upper valve, releasing the refrigerant into the system.
- Replace caps over open valves.

25

Power up and start the system.

Please call 1.800.865.5931 if you have any questions prior to or during the installation process of your Blueridge Mini-Split System.

Because of the Blueridge promise for continuous product innovation and improvement, some specifications and instructions may change without notification.