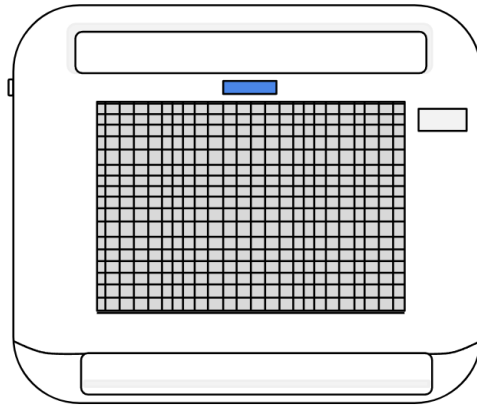




# S4 FLOOR LOW WALL QUICK INSTALL GUIDE

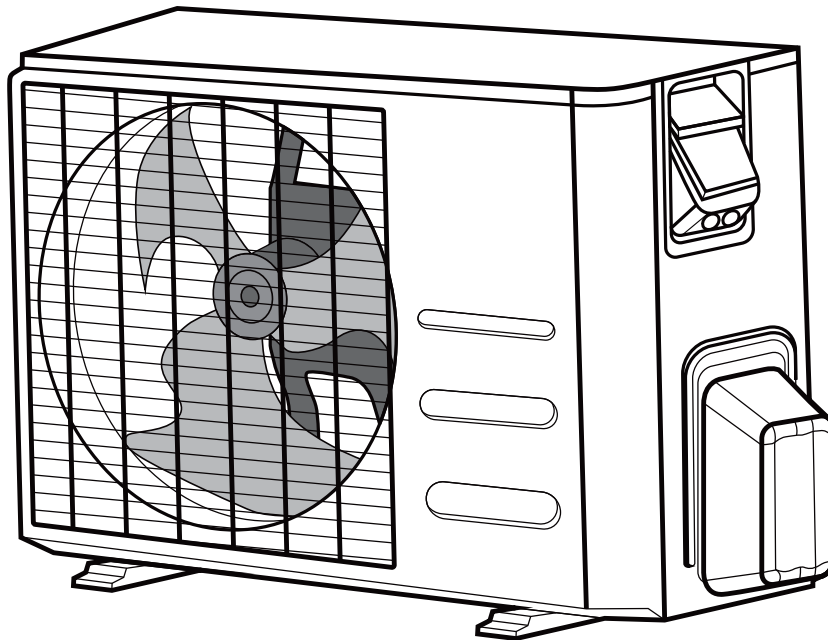
S4 Low Wall Ductless Mini-Split for Heating & Cooling



## MODELS

BMY12HH23LW

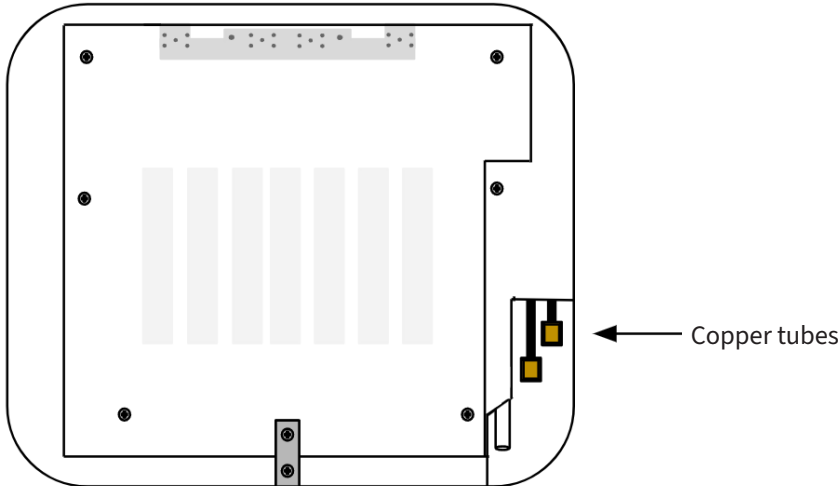
BMY16HH20LW



# PREP FOR INSTALL

## 1

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

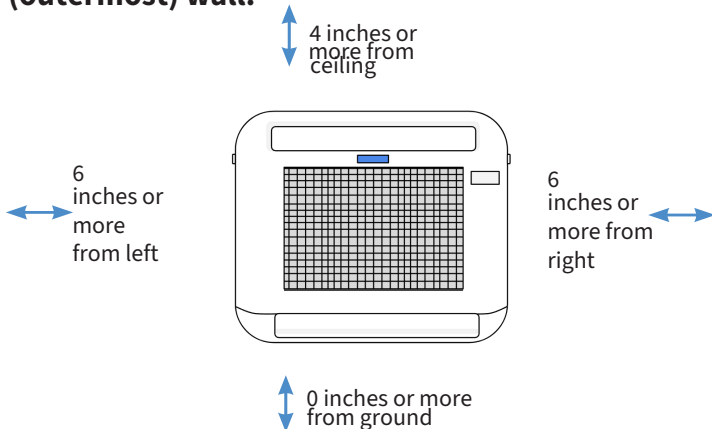


- Locate the copper tubes on the back of the indoor unit.
- Loosen the cap on either of the 2 insulated copper tubes.
- You should hear a hissing noise, which is the release of this harmless gas.
- Allow all of the nitrogen to escape the line.
- Re-tighten the cap, and repeat this process for the other 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.**

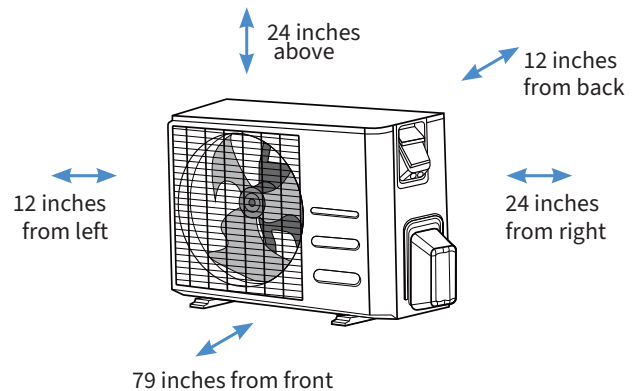


**!** Maintain listed clearances. Installing the indoor unit close to the floor is recommended for most installations.

If you decide not to install the indoor unit on an exterior wall please see full Owner & Install manual.

## 3

**Choose the location to place the outdoor unit.**



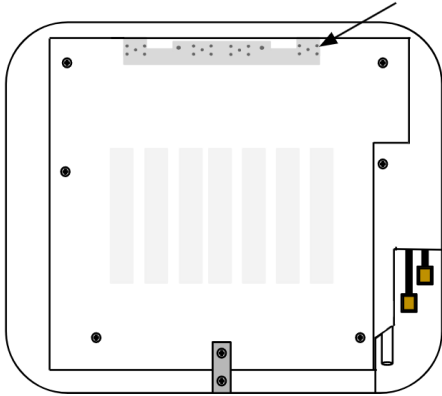
If used for heating, it is recommended to raise the outdoor unit to allow for proper drainage and keep it clear of expected snowfall (if applicable).

**!** Maintain listed clearances

## INDOOR UNIT

4

Remove the wall bracket from the back of the indoor unit.



5

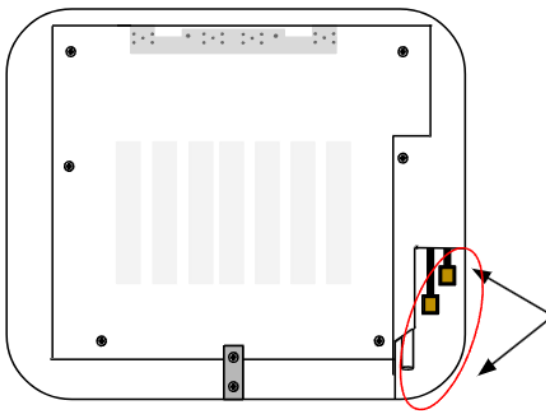
Secure the bracket to the wall using screws. Make sure that the bracket is level.



The bracket should be attached to at least one stud. For additional connections to the wall, use anchors designed for the wall material. (mounting hardware not included)

6

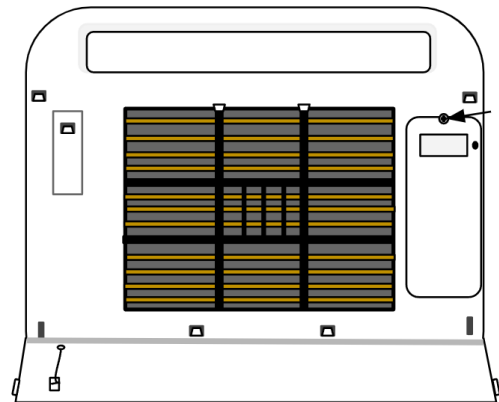
Lay the air handler on the front exposing the tabs on the lower, rear, right hand side.



Depress the tabs and remove the back corner of the cabinet around the copper tubes for access later.

7

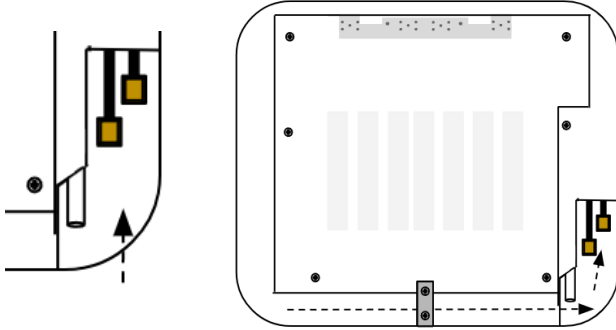
Pull on the two tabs located on the front upper section of the indoor unit to open the front access panel.



Remove the screw from the clear plastic cover and remove the cover, exposing the wire connections.

8

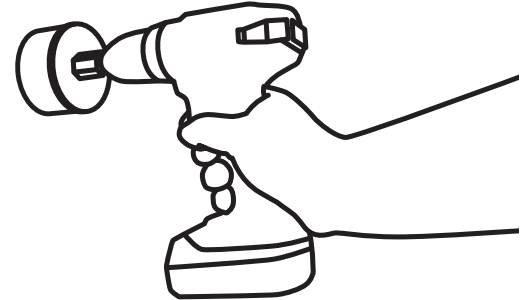
Determine how you want to run your copper lines. Either from below the air handler, or behind and across the back of the air handler.



Select the hole location based on how you want to run the copper lines.

9

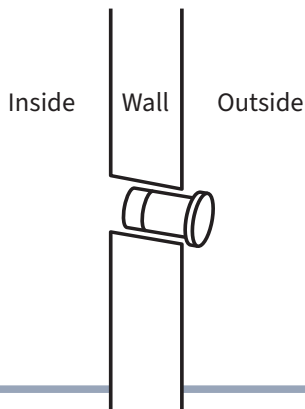
Drill hole through the wall, maintaining a slight pitch downwards to aid outside drainage.



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

10

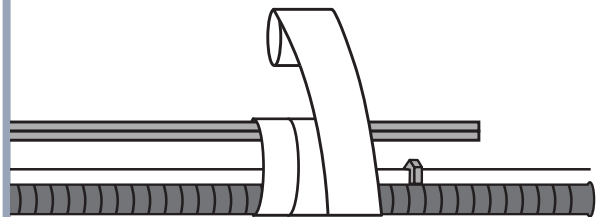
Insert wall sleeve through the wall with the flange facing the exterior.



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

11

Bundle the line set, drain, and connection wires together, keeping drain line on bottom. Feed 2-3 feet through the wall to the inside.



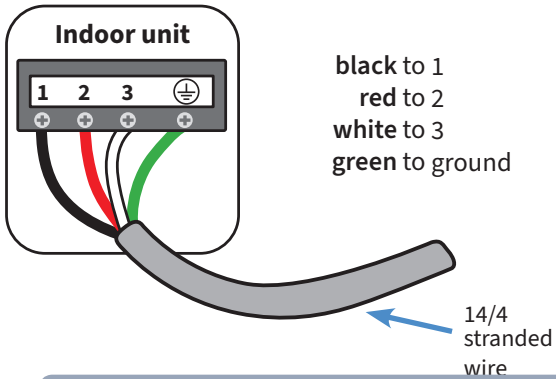
Use PVC electrical tape to loosely secure the bundle so you can easily pull the wire and the copper tubing / drain tubing to opposite sides of the indoor unit.

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.

# INDOOR UNIT

## 12

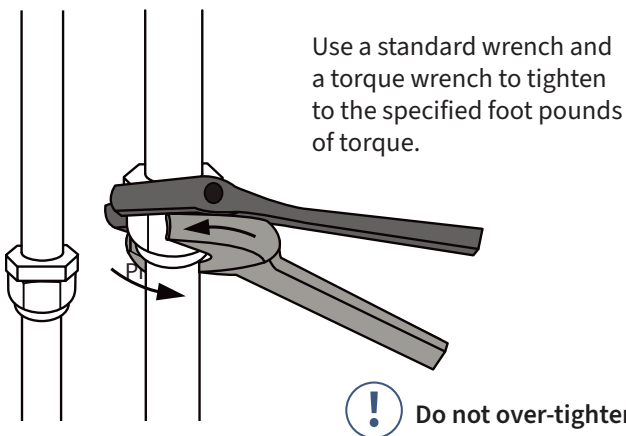
Run the 14/4 stranded wire through the back left hand side of the unit. Feed it to the front and make the wire connections.



Reconnect the clear plastic cover and close the front access panel

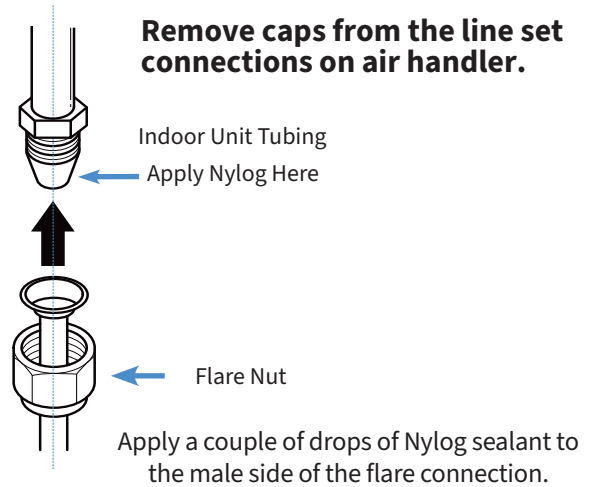
## 14

Secure the copper tubing to the indoor unit.



## 13

Run the the copper tubes to the indoor unit.



## 15

Connect and secure the 5/8 drain tubing to the drain discharge on the indoor unit.

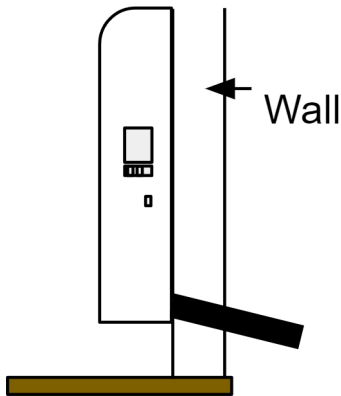


If you can't maintain a downwards pitch with your drain tubing then you will need a condensate pump.

## INDOOR UNIT

16

Hang the indoor unit on the bracket while feeding the excess copper tubes, connecting wire and drain tubing through the wall to the outside.

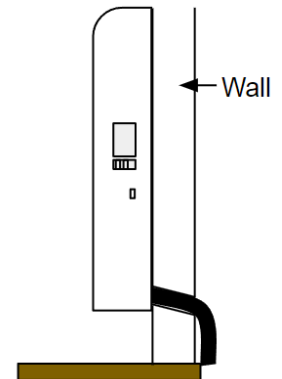


17

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 set.



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

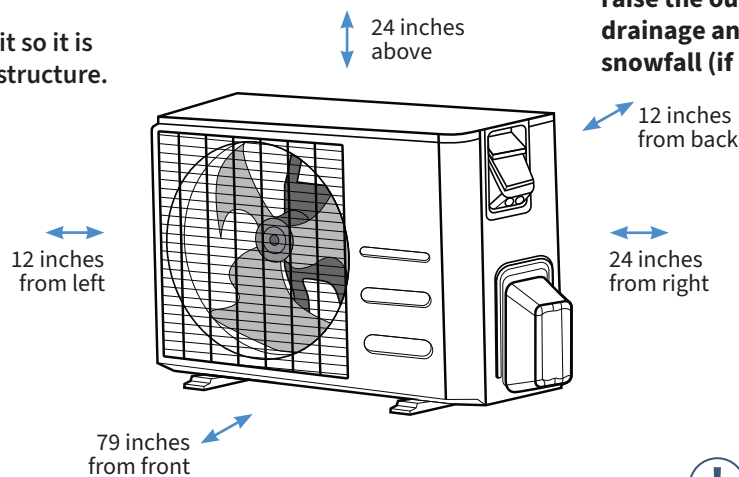
## OUTDOOR UNIT

18

Mount on a pad, bracket, or stand.

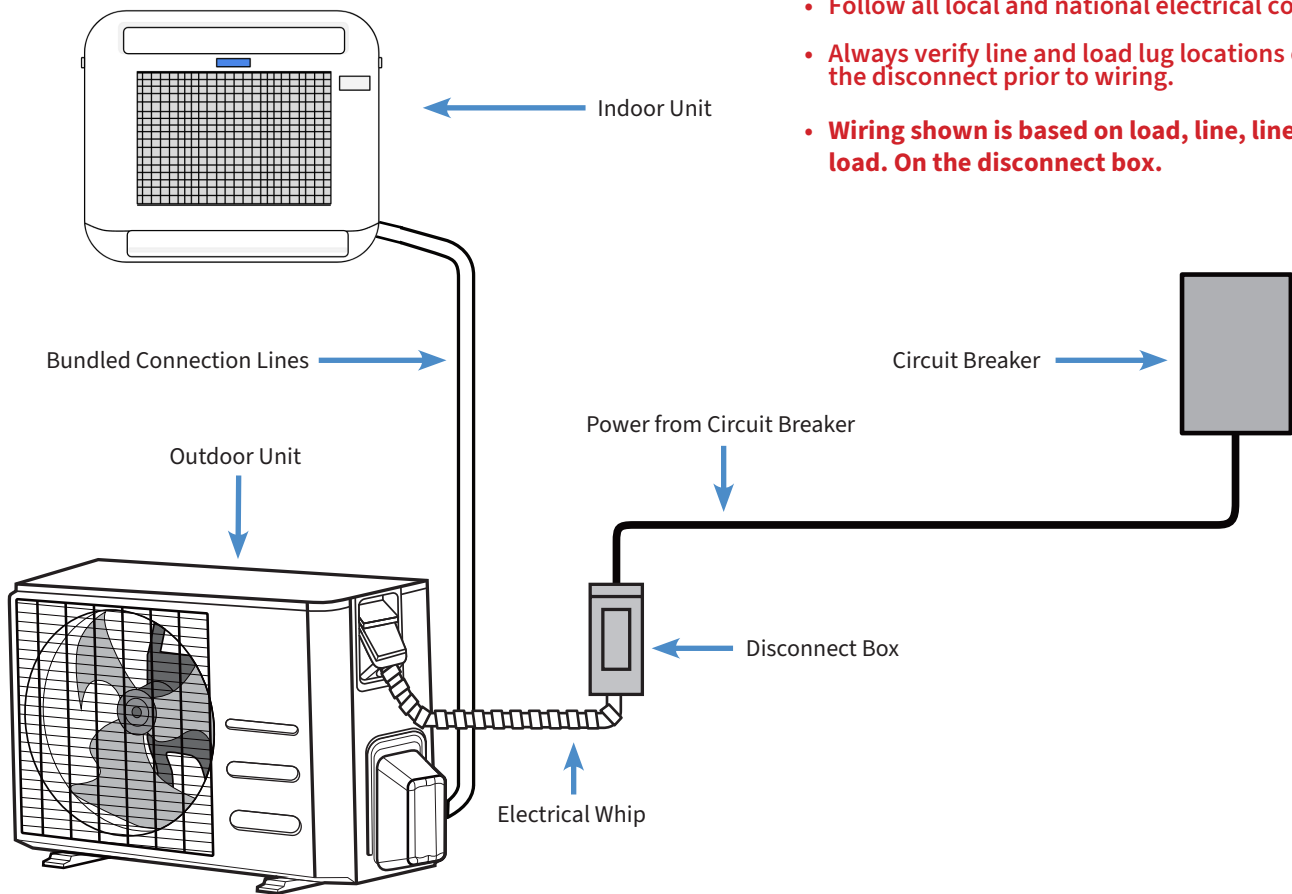
! Position the outdoor unit so it is blowing away from the structure.

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

- 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.**

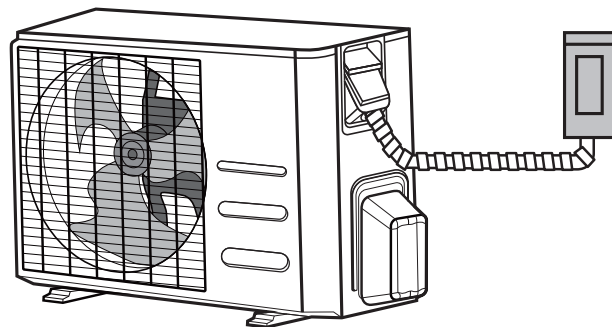


## 19

**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.

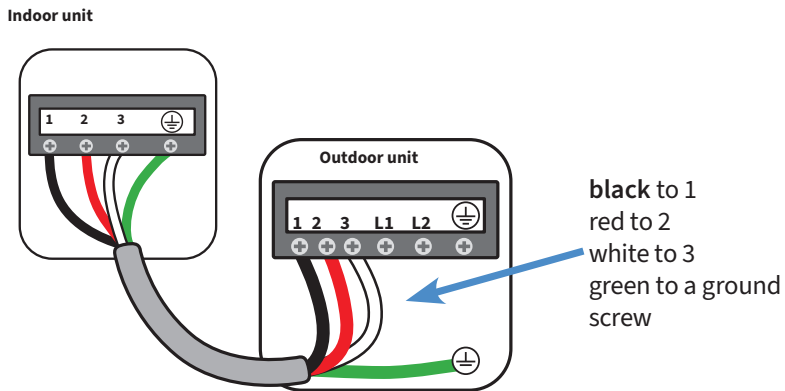
! See next page for wiring diagrams



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

**20**

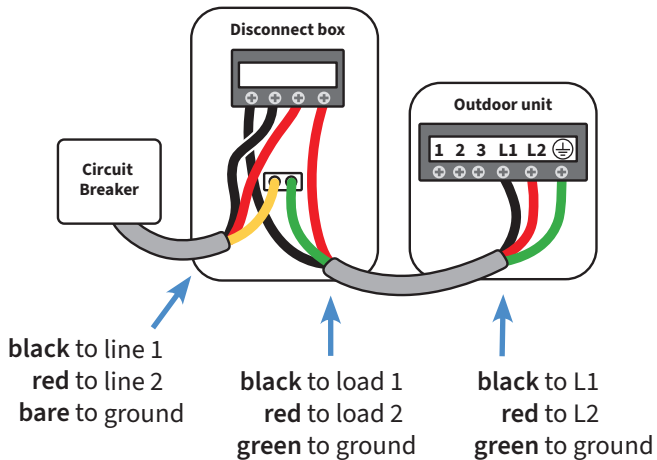
**Connect indoor unit to the outdoor unit.**



**21**

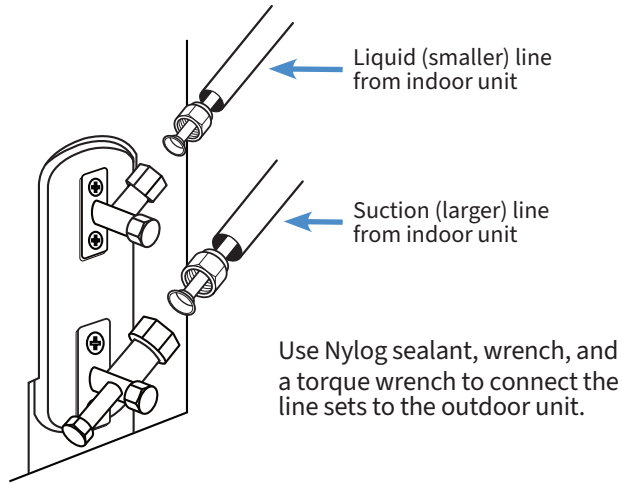


**Connect outdoor unit to disconnect box.**



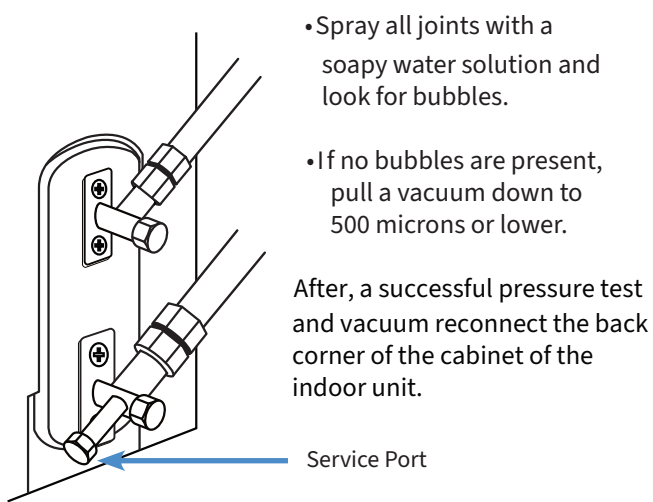
22

Remove caps from the outdoor unit.



23

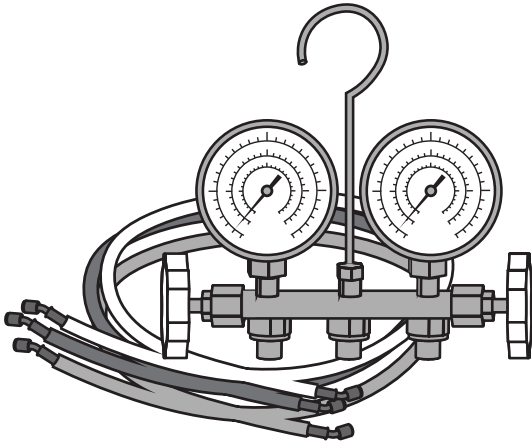
Remove cap from the service port on the suction line and perform a pressure test to 300 - 350 psi from the outdoor unit.



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

## 24

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

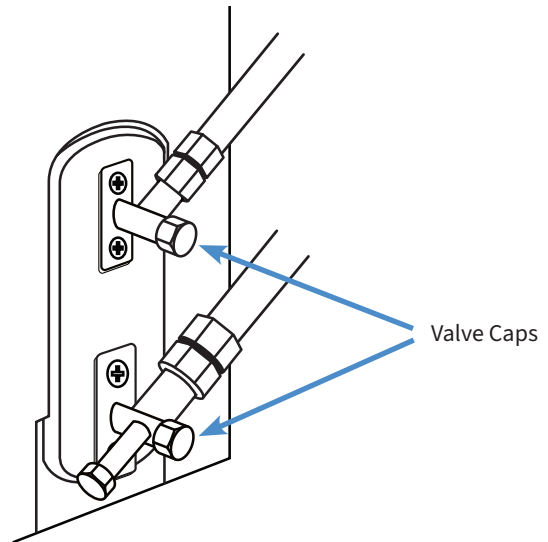


Add refrigerant if the line set used is more than 25 feet in length.

- Add 0.16 oz per foot past 25 if using 1/4 inch OD liquid lines (In 0.75, 1.0, and 1.5 ton models)
- Add 0.32 oz per foot past 25 if using 3/8 inch OD liquid lines (In 2.0 ton models)

## 25

**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.

## 26

**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.