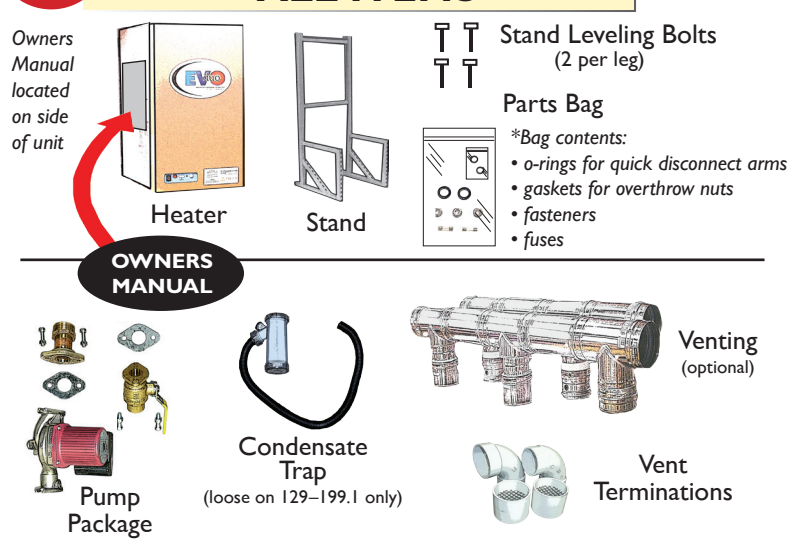
Hamilton Engineering
Innovative Hot Water Solutions
1.800.968.5530

EVO 129–599 QUICK START GUIDE

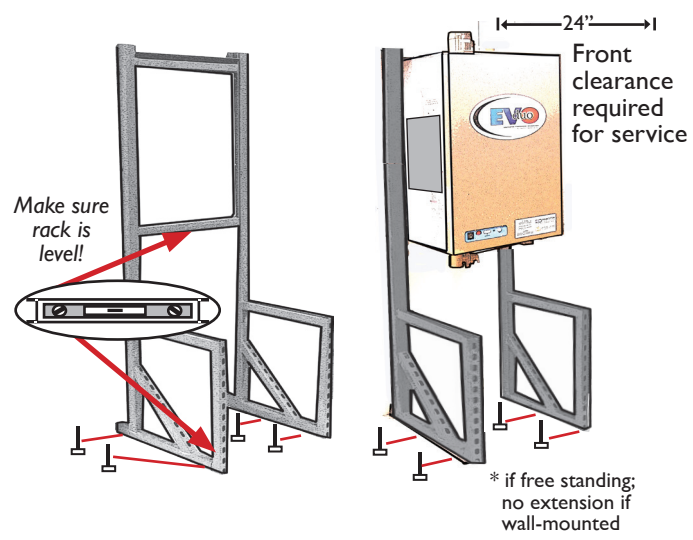
Single Heater (Equipment Only)

1 UNPACK & IDENTIFY ALL ITEMS



***Additional parts in plastic bag located inside unit (front)**

2 STAND AND HEATER SET-UP



Make sure rack is **level**, front to back and left to right.

All added components should be **secured** to the rack.

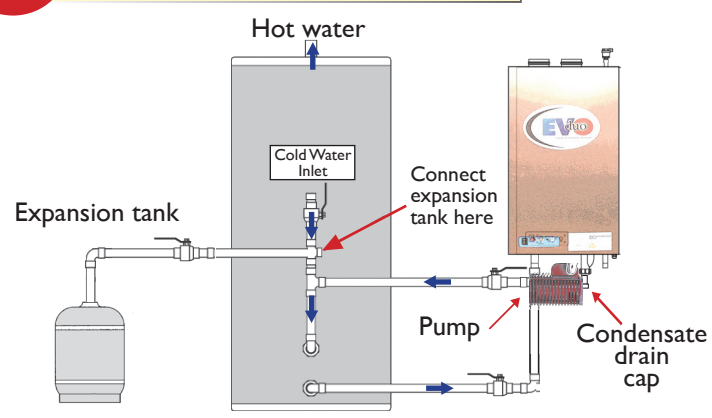
Unpack heater/boiler and **mount on rack**—use caution when lifting.

Unpack and **attach pumps to heaters and piping**—*per color coded dots.*

Pumps should be pumping up, into the heater/boiler.

Position hot water storage tank and connecting piping—*per color coded dots.*

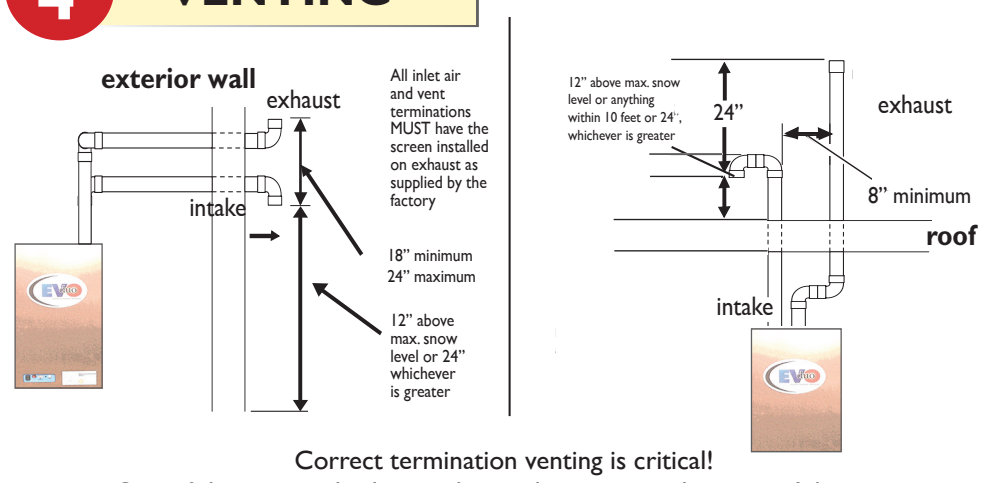
3 WATER PIPING



Incorrectly sized piping will cause operational issues and void the warranty (see below).

(Piping must be sized according to pages 29–37 in LIT91127U, Installation & Operating Manual)

4 VENTING

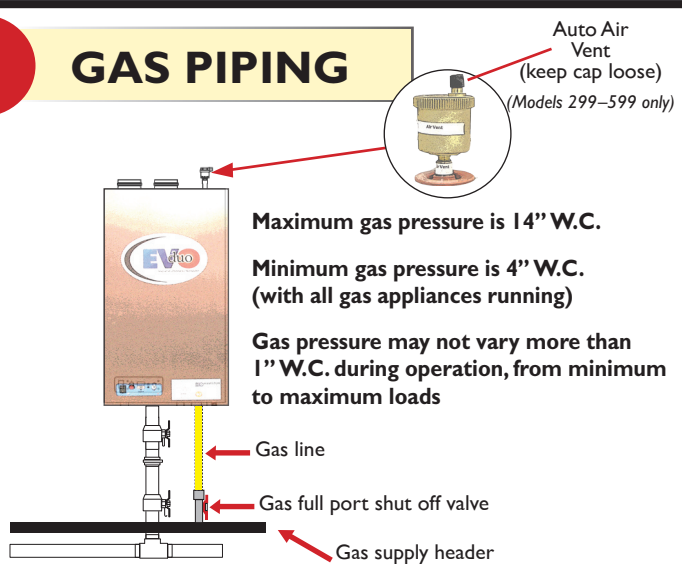


Correct termination venting is critical!
One of the two methods must be used—not a combination of the two.

Total vent length includes both inlet and exhaust and must allow 5 feet for each elbow & piping plus elbow & tees

(Refer to pages 20–28 in LIT91127U, Installation & Operating Manual)

5 GAS PIPING



Maximum gas pressure is 14" W.C.

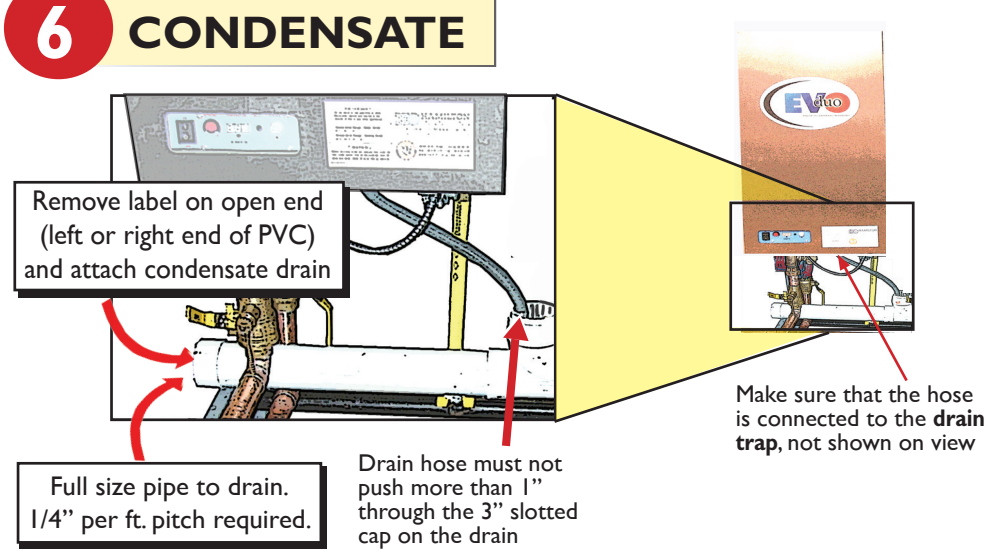
Minimum gas pressure is 4" W.C. (with all gas appliances running)

Gas pressure may not vary more than 1" W.C. during operation, from minimum to maximum loads

• All gas valves MUST be full port

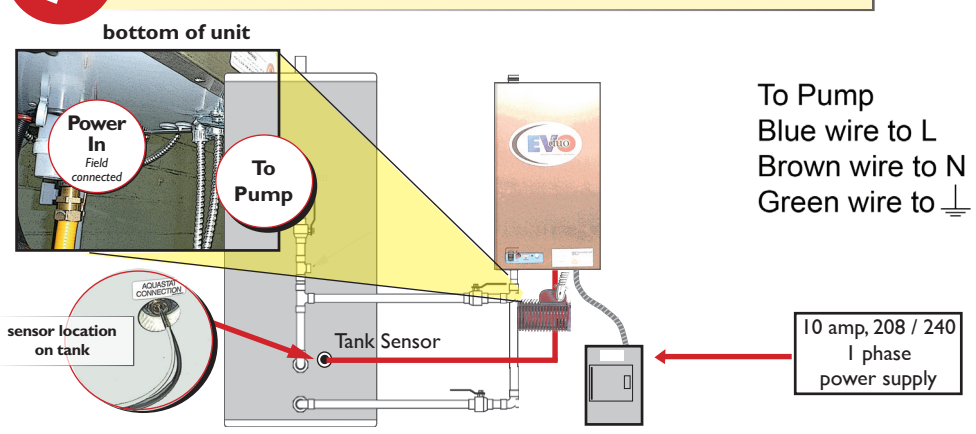
(Refer to pages 14–19 in LIT91127U, Installation & Operating Manual for gas line sizing and leak testing)

6 CONDENSATE



(Refer to page 28 in LIT91127U, Installation & Operating Manual)

7 ELECTRICAL 208–240 volt, single phase



Max. amperage draw per heater and pump package is 3.1 amps.

(Refer to pages 12–13 in LIT91127U, Installation & Operating Manual)

8 START-UP

A) Fill system with water & vent air (see item 3).

B) Turn on gas and verify that there are NO LEAKS.

C) Verify voltage and then turn on breaker supplying power to heater.

D) Turn on power switch on front of heater.

E) Set temperature using red dial on front of heater.

F) Allow heater to stabilize and verify that condensation is draining.

G) Complete LIT91111, Start-Up Checklist

(Refer to pages 38–40 in LIT91127U, Installation & Operating Manual)