

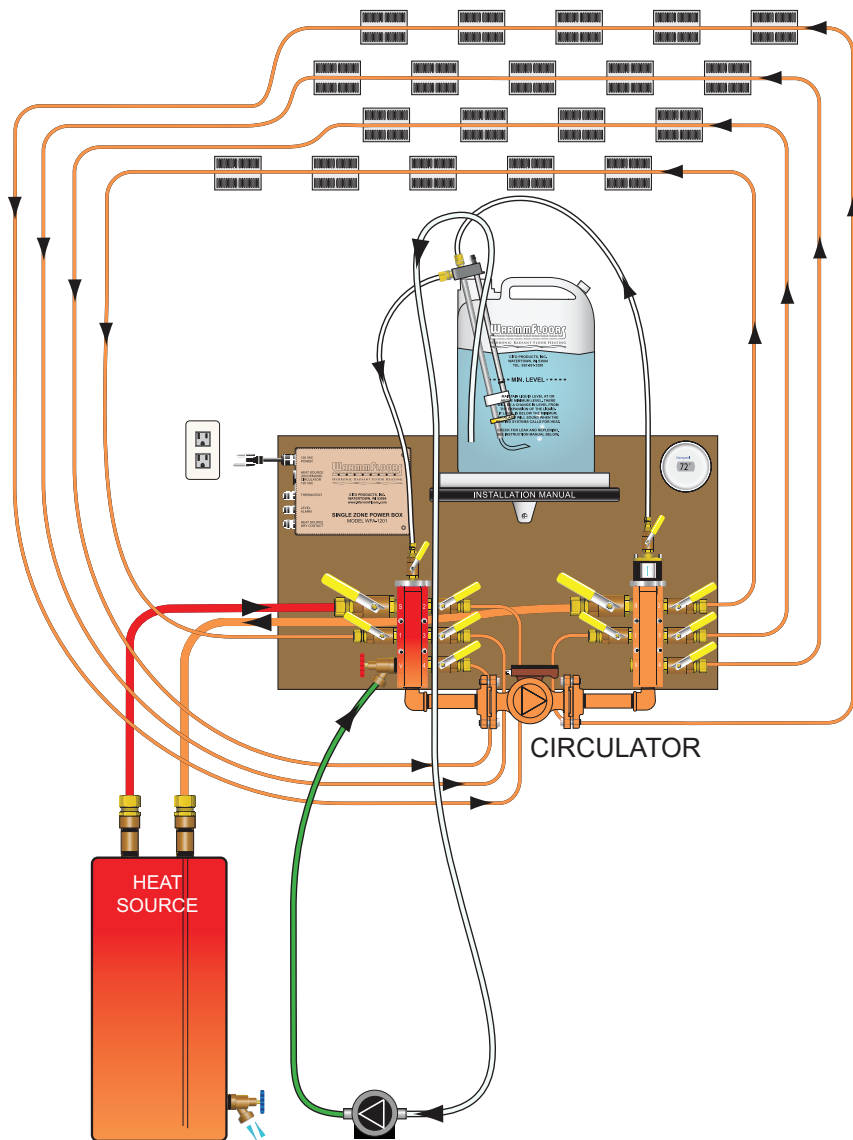
Fill and Purge Procedures

Quick Purging Water Treatment & Glycol

4



Quick Purge System with Booster Pump



WF4-5-SZ-PURGE-TS4

To accelerate the purging process...

PROCEDURE:

1. Submerge the supply line (in) from the tank to the pump.
2. Connect the pressure line (out) from the pump to the Fill Valve.
3. Open Fill Valve.
4. Connect the Control Box to appropriate AC Power Source.
5. Connect the booster pump to appropriate AC Power Source.
6. Open one loop at a time to purge air from system.
7. Repeat until all loops are purged (If Hand Valves are used).
8. Disconnect booster pump.
9. Close Fill Valve and remove hoses from the system.
10. Check liquid level and replenish.
11. Remove fill tubes and pump and rinse with water to keep clean.
12. Connect the Thermostat to the Single Zone Power Box (WFA-1201 or WFA-2201).

You are ready to start up the heat source.

Filling the System with Water Treatment is a MUST

WarmmFloors Product

[1/2 Gallon # WFM-9105](#)

[1 Gallon # WFM-9110](#)

[5 Gallon # WFR-9250](#)

The mix ratio is 100 to 1. Therefore, a typical 50 gallon system will require 1/2" gallon of treatment. The water treatment is typically added after the system is in full operation. Drain tank to allow for water treatment to be added.

PROCEDURES:

1. Lift Float Assembly from the Tank and pour Treatment into Tank.

2. Turn off the Circulator.

Connect fill tube to Fill Valve.

Pour treatment into bucket.

Submerge tube into a bucket.

Open Fill Valve to fill tube. (Air purge)

Keep end of tube below liquid level.

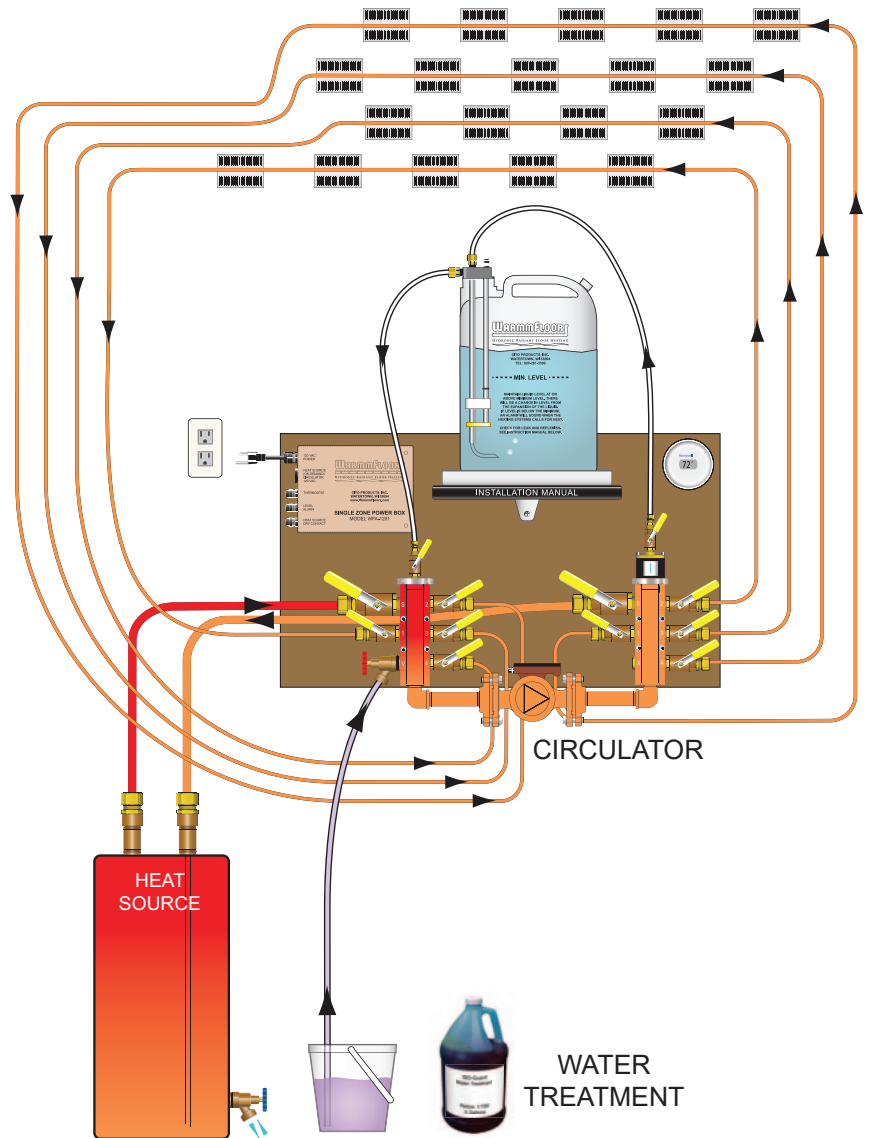
Turn on circulator.

Siphon the water treatment from bucket.

Fill tank to desired liquid level.

Close Hand Valve to avoid drawing air into the system.

Remove fill tube and rinse pump with water to keep clean.



For water treatment testing contact factory.

You are ready to start the heat source.



ATTENTION: DO NOT RUN CIRCULATOR WITHOUT LIQUID. RUNNING THE CIRCULATOR DRY WILL CAUSE DAMAGE!

Filling the System with Glycol

WarmmFloors Product

[5 Gallon # WFR-9250](#)

[55 Gallon # WFR-9255](#)

The mix ratio is 50%.
It will provide freeze protection
down to +10 deg. F

Freeze Protection

- 30 F / -12 C

Burst Protection

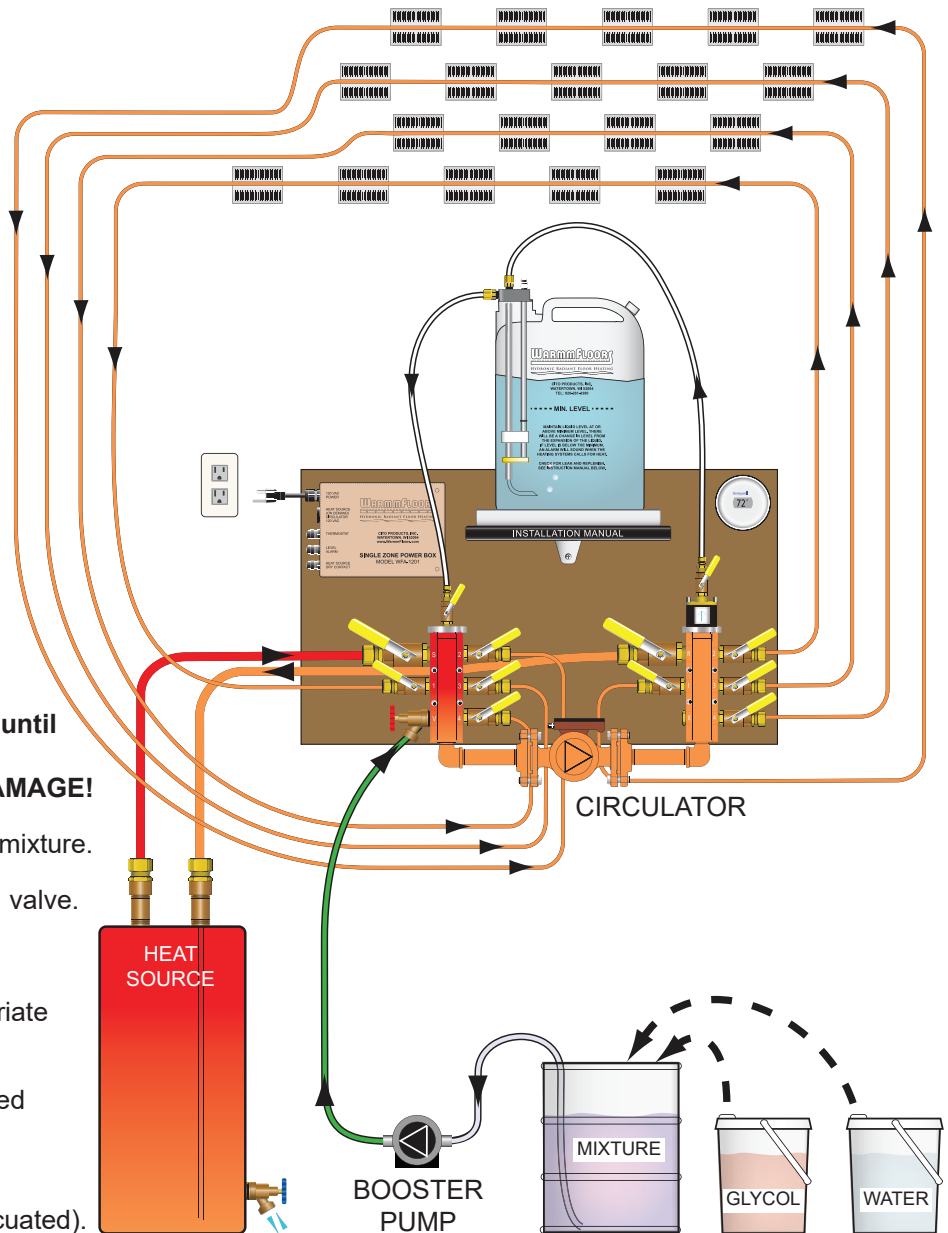
-50 F / -46 C

Therefore, a typical 50 gallon system
will require 25 gallons of glycol.
The mixture may be prepared in a
larger drum as shown in below right.

PROCEDURE:

1. **DO NOT connect the Circulator until System is filled. Running the Circulator DRY WILL CAUSE DAMAGE!**
2. Submerge suction line into glycol mixture.
3. Connect pressurized line to the fill valve.
4. Open Fill Valve.
5. Connect Booster Pump to appropriate Power Source to fill the system.
6. Keep filling the drum with pre-mixed glycol mixture.
7. Fill expansion tank above fill line (liquid level will drop as air is evacuated).
8. Close the Fill Valve.
9. Proceed purging the system.
10. Remove booster pump and rinse with water to keep clean.

You are ready to start the heat source.



***To accelerate the purging process, a booster pump may be used
Booster Pump Kit [Part # WFM-9300](#). See page 4-2.***