

INSTALLATION INSTRUCTIONS

1. The recommendations of local authorities having jurisdiction must be followed. For recommended Installation practices refer to C.S.A. Standard B139 (CANADA) or NFPA 54 (US)
2. When firing the unit in an enclosed area 3 square feet must be provided to allow the free entry of the air required for operation.
3. For electrical supply, use 3 wire receptacle with "U" ground.
4. Do not operate the unit in partly ventilated areas without a flue pipe or in close proximity to combustible surfaces or materials.

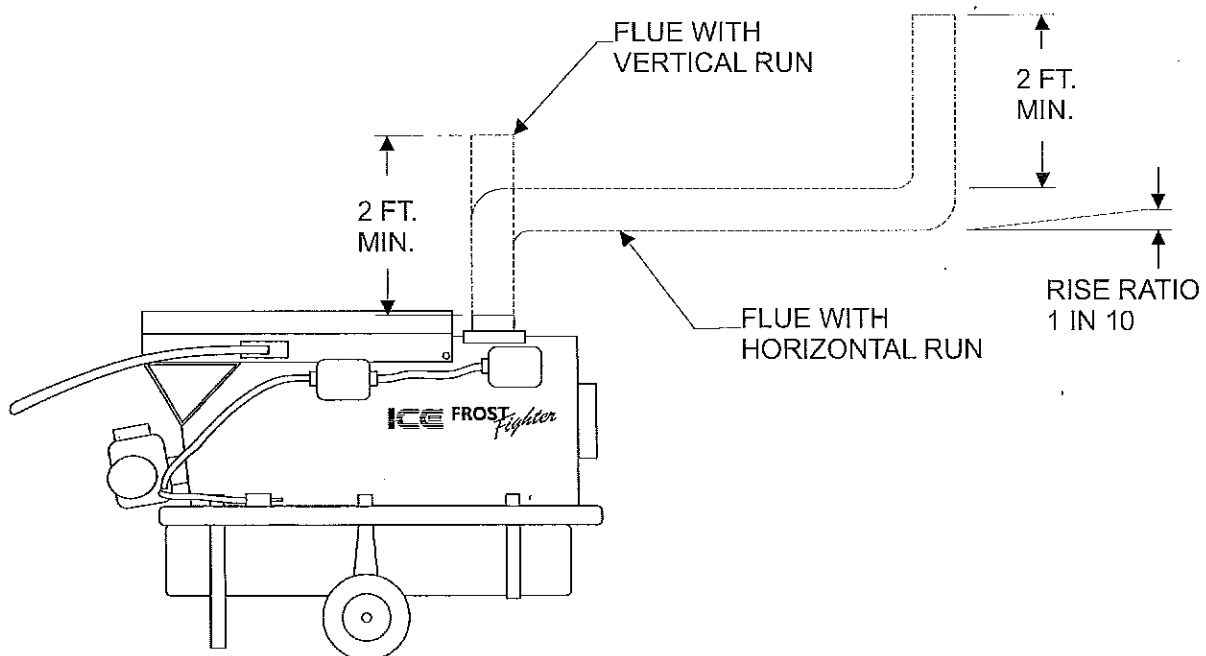
NOTE: Installation clearances are as follows:

Top - 3 inches	Discharge End - 10 feet
Sides - 6 inches	Vent Connector - 18 inches
Burner End - 2 feet	Floor - Combustible

FLUE PIPE CONNECTIONS

When the heater is connected to a flue pipe the flue pipe shall terminate in a vertical section at least two feet long. Horizontal runs should have rise ratio of 1 in 10 away from the heater. The chimney should have .02" W.C. draft to ensure safe operation of the unit. Where down drafts are liable to occur a vent cap should be used. All venting Should correspond with the CSA B149 (CANADA), NFPA 54 (US) standard or local codes.

INSTALLATION CLEARANCES



OPERATING INSTRUCTIONS

TO START HEAT WITH HONEYWELL CONTROL

1. Ensure unit is on flat, level ground before starting, canopy and fan guards must be closed.
2. Flip switch to "OFF" position
3. Check fuel level (2-4 gallons to start)
4. Plug in supply cord to 115 volt outlet.
5. Flip switch to "MANUAL" position.
6. For thermostat operation flip switch to "THERM" position.
7. There will be a 5 second safe start check, a 15 second pre purge then the burner will fire.

TO START HEATER WITH GENISYS CONTROL

- 1-6 same as above
7. There will be a 5 second safe start, 45 second pre purge then the burner will fire. On shutdown there is a 2 minute post purge.

IF HEATER FAILS TO START

1. Press manual reset button on burner relay.
2. Check for low voltage condition and 115 volt supply.
3. Check fuel filter, suction tubing and nozzle assembly

NOTE: If unit has been reset a number of times without ignition there will be an accumulation of oil in the combustion chamber! Do the Following:

1. Make sure unit is sitting on level ground to ensure excess oil drain out of secondary exchanger (via small drain hole located on outer shell of heat exchanger by burner end).
2. Allow unit to drain for 15-20 minutes or until all oil has drained out.
3. Upon ignition excessive amounts of smoke will be present until all excess oil has been burnt from the heat exchanger.
4. When the unit has stabilized and the burner set up to operate properly, shut off the switch. Let the fan cool down the chamber and stop.

IF UNIT STILL DOES NOT START REFER TO THE TROUBLE SHOOTING GUIDE PAGE 12

CAUTION

1. Do not start heater when excess oil has accumulated in chamber.
2. Do not fill tank while unit is operating.
3. Do not shut off by disconnecting supply cord. The heat exchanger should be properly cooled before power shutdown.
4. In no case should extension cords be smaller than 12 A.W.G. If cord is longer than 50' use 10 A.W.G. minimum.
5. Do not use gasoline, crankcase oil or heavier than No. 2 furnace oil.
6. Always maintain adequate fuel supply.

ELECTRICAL REQUIREMENTS:

- 15 amp circuit IDF 350-II
- 20 amp circuit IDF 500
- 25 amp circuit IDF 500HS

TO STOP HEATER

Flip switch to "OFF" position. The supply fan will continue to operate until the heat exchanger has sufficiently cooled. Do not disconnect main power until supply fan has stopped running.

WARNING!: BEFORE MOVING ANY GUARDS OR SAFETIES DISCONNECT THE MAIN POWER AS THE SUPPLY FAN WILL CYCLE AUTOMATICALLY.