

## IDF Features

- 1. Insulation**
  - Higher efficiency (no heat loss through the jacket)
  - Higher temperature rise
  - Safety – cool to the touch when running (no burn marks on the jacket).
- 2. Satin Coat Steel**
  - Prevents rusting
- 3. Higher Capacity Burner**
  - 1/4 & 1/3 HP motor (vs. 1/7 HP)
  - For higher altitude (combustion fan)
- 4. Independent Fan and Blower**
  - Better light offs
  - Better control of combustion
- 5. Heavy Duty 16" Wheels**
  - 4 ply w/tube
- 6. Powder Coat Finish**
  - Prevents scratch and rusting
- 7. Heat Exchanger**
  - Easy clean out for combustion
  - More efficient heat exchanger – less heat lost through the flue
- 8. Duct Adaptor**
  - Can accommodate pin lock or belt cuff.



## OIL

### Genysis Control

- Pre & post purge
- LED display with troubleshooting & history info.



•The following information is displayed in the last 15 cycle history log:

**Run time** (ignition carryover + run), in minutes and seconds, up to 59 minutes, 59 seconds.

**Time to light.** This is the time in trial for ignition before flame was seen, which will 0:01 unless the burner did not light right away.

**Maximum cad cell ohms.** This is the maximum cad cell resistance recorded during ignition carryover and run (does not include cad cell resistance during prepurge, trial for ignition, and postpurge).

**Average cad cell ohms.** This is an average of the cad cell resistance the entire time the control was in the run state.

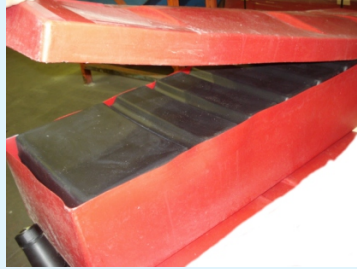
**Average line voltage:** average of the measured line voltage over the last 6 seconds before the end of the cycle.

**Reason for the end of the cycle.** If the cycle ended in lockout, the display shows the reason for lockout. See next slides for possible reasons for the end of the cycle and lockout.

**Off time:** time in standby before the cycle started, in *hours and minutes*, up to 255 hours and 59 minutes.

This option is on all oil units

### Full Environmental Spill Containment around poly tank



### Self-priming Pump (“A” pump – larger capacity)

- No additional ball valves required
- Greater rise and run ratios

### LP/NG

#### 3 Tries for Ignition (Gas Primary)

- Burner will re-light 3 times before shutting down. Eliminates nuisance service calls if there is a gas or electrical fluctuation.

#### Ball Valve Change Over from Propane to Natural Gas

- Easy switch over, instead of removing entire burner and changing out orifice. Gas filter isn't required



### Additional High Limit Safety