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

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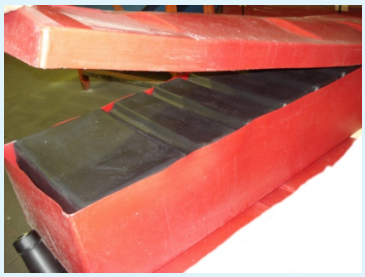
Full Environmental Spill Containment around poly tank



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

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Additional High Limit Safety

Heat Recovery System

Delivers warm air from the heaters discharge end back to the fuel control area through a channel back to an enclosed housing designed to retain the warm air, prevent freeze up and shield the Fuel lines, Fuel Filter, Solenoid and Fuel Pump from cold winds & moisture.

The enclosure is fully accessible through the top & front for easy access for maintenance or servicing requirements.

The Heat recovery system can dramatically cut down on service calls in even the harshest climate conditions.

Available on IDF350 / IDF500 Oil Fired Systems

FROST Fighter PORTABLE HEATERS