Lift-Top Process Systems

The Lanly Company has specialized in the engineering and manufacturing of custom ovens and dryers for over 60 years. Innovative Design, Technical Excellence and Dependable Quality are standard features of our heat treating ovens. Add to this our expertise in controls, and it is easy to see why Lanly systems deliver unequaled product uniformity and process efficiency.

Lanly Lift-Top Type Diaphragm Curing Ovens are designed and built specifically for Eltech Systems Corporation. Typical systems include:

- Complete Stainless Steel construction for extended life and decreased maintenance
- High volume air circulation for superior temperature uniformity
- Electric spring loaded strip (contact) heaters for direct contact of flange top and bottom for optimum heat transfer and uniformity
- Hydraulic lift-top for direct overhead cell loading and unloading
- Contacting thermocouples (on product) for accurate temperature monitoring and control
- Manual or Automatic system control; including ramp and soak periods and basic diagnostics
- Standard chart recorder with optional datalogging
TYPICAL DESIGN SPECIFICATIONS

- Design load – Designed for MDC-55 cells
- Method of charging – Overhead crane
- Cell weight – 9,000 lb / cell
- Cell dimensions – per MDC-55 cell
- Exhaust fan – 1,130 CFM
- Recirculation fan – Dual speed 22,000/14,450 CFM
- Maximum supply air temperature - 750° F
- Heating – 3 main electric heaters, 75 kW each; Strip-contact perimeter heaters for top and bottom of cell faces
- Water evaporation – Approximately 350 lbs per cell
- Yokogawa multipoint recorder with datalogging
- Voltage - 480 Volts, 3 Phase, 60 Hertz

TYPICAL GENERAL ARRANGEMENT

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