HydroCure™ Drying Chamber

INTERNATIONAL THERMAL SYSTEMS

HydroCure

Standard Features

- Heavy industrial construction
- Optimum airflow recirculation and exhaust systems
- Durable synthetic door
- Humidity atomizers
- Instruments and controls mounted in a prewired NEMA 12 control panel
- NFPA Compliant
- Optional: PLC with Ethernet, steam generator, CE certification, powered exhaust

International Thermal Systems is the leader in manufacturing of Combination Humidity/Drying Chambers.

The HydroCure™ Combination Humidity/Drying Chamber enhances optimum production volume while decreasing excessive curing time. Together with ITS's supply duct nozzle design, optimum pallet configuration and adjustable profile return duct, the most efficient plate curing time can be achieved.

International Thermal Systems HydroCure™ Combination Humidity/Drying Chambers are recognized in the battery industry as the leader in reliability, innovative and intuitive operator friendly design. With 1000's of HydroCure™ Combination Humidity/Drying Chambers operational in the field today, ITS equipment construction designs have proven their robust design, durability and are backed by a 12 month warranty. Equipment is constructed in any of our worldwide manufacturing facilities.

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HydroCure™

Humidity Drying Chamber

Specification	Five (5) Pallet	Ten (10) Pallet	Custom
Load Capacity	Chamber designed to accommodate five (5) pallets	Chamber designed to accommodate ten (10) pallets	Chamber designed to customer specifications
Humidity Range	60% - 98% RH	60% - 98% RH	60% - 98% RH
Temperature range	100°F (37.78°C) to 180°F (82.2°C)	100°F (37.78°C) to 180°F (82.2°C)	100°F (37.78°C) to 180°F (82.2°C)
Optional Steam	Available	Available	Available
Motors	Recirculation, Optional Exhaust	Recirculation, Optional Exhaust	To be determined after review of customer specifi-i cations
Heating Equipment	Electrically heated: heater plug with SCR control Natural gas: indirect fire burner with a modulating gas control	Electrically heated: heater plug with SCR control Natural gas: indirect fire burner with a modulating gas control	To be determined after review of customer specifi-i cations
Electrical Service	220 -0690 volts, 3 phase, 50 - 60 Hz	220 -0690 volts, 3 phase, 50 - 60 Hz	220 -0690 volts, 3 phase, 50 - 60 Hz
Utility Requirements	Natural Gas: 1,000 SCFH @ 1-5 PSI/1,000 BTU/CU FT Propane Gas: 400 SCFH @ 1-5 PSI/2,500 BTU/CU FT	Natural Gas: 1,000 SCFH @ 1-5 PSI/1,000 BTU/CU FT Propane Gas: 400 SCFH @ 1-5 PSI/2,500 BTU/CU FT	To be determined after review of customer specifi-i cations
Oven Construction	Oven walls and roof will consist of low conductivity panel construction Fabricated with 304 stainless steel interior and exterior Wall and roof contains low conductivity insulation	Oven walls and roof will consist of low conductivity panel construction Fabricated with 304 stainless steel interior and exterior Wall and roof contains low conductivity insulation	To be determined after review of customer specifi-i cations
Door	Electrically operated, motor driven high speed fabric rollup assembly Push button open and close	Electrically operated, motor driven high speed fabric rollup assembly Push button open and close	Electrically operated, motor driven high speed fabric rollup assembly Push button open and close