

Tri-Phase
Drying Technologies, LLC

Tri-Phase technology saves 25 to 75% of your drying energy use.

Ultra efficient heat recovery options include innovative heat pump technology for new dryers and for retrofitting existing dryers.

With the Tri-Phase technology, what's good for the environment is even better for the bottom line.

Retrofit Your Current Dryer with Innovative Heat Pump Technology



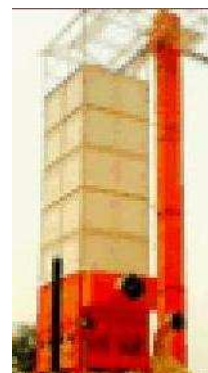
Rotary Drum Dryer



Belt Conveyor Dryer

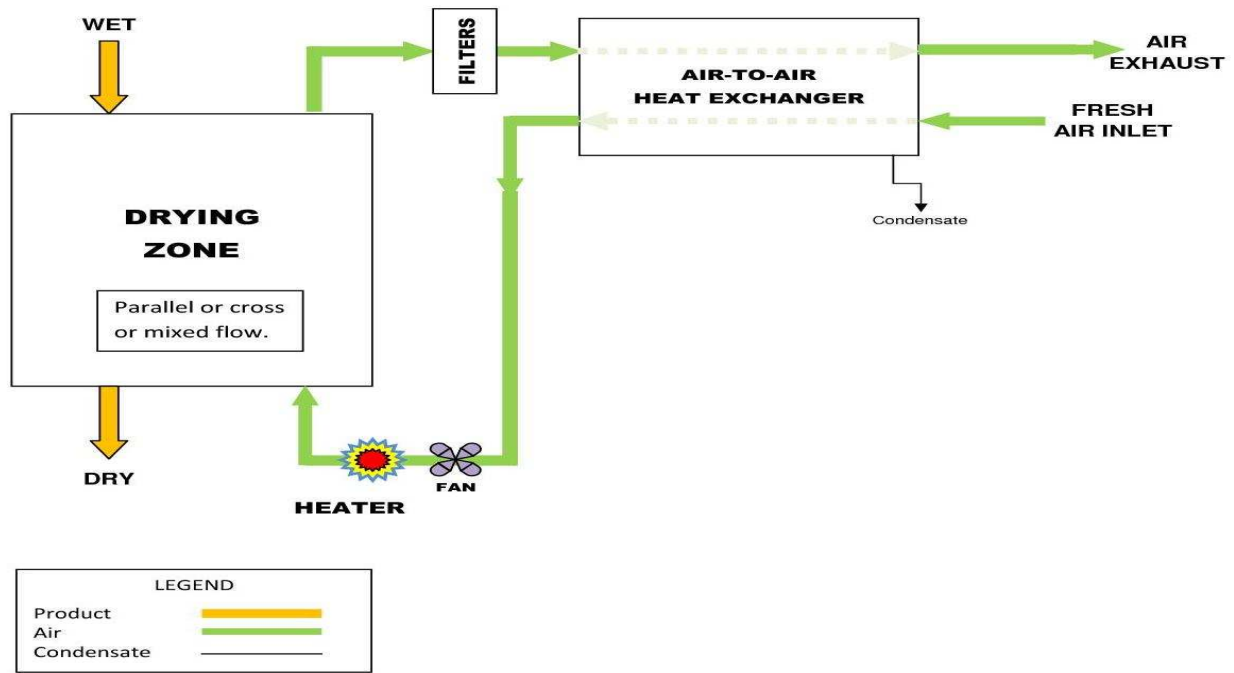


Fluidized Bed Dryer

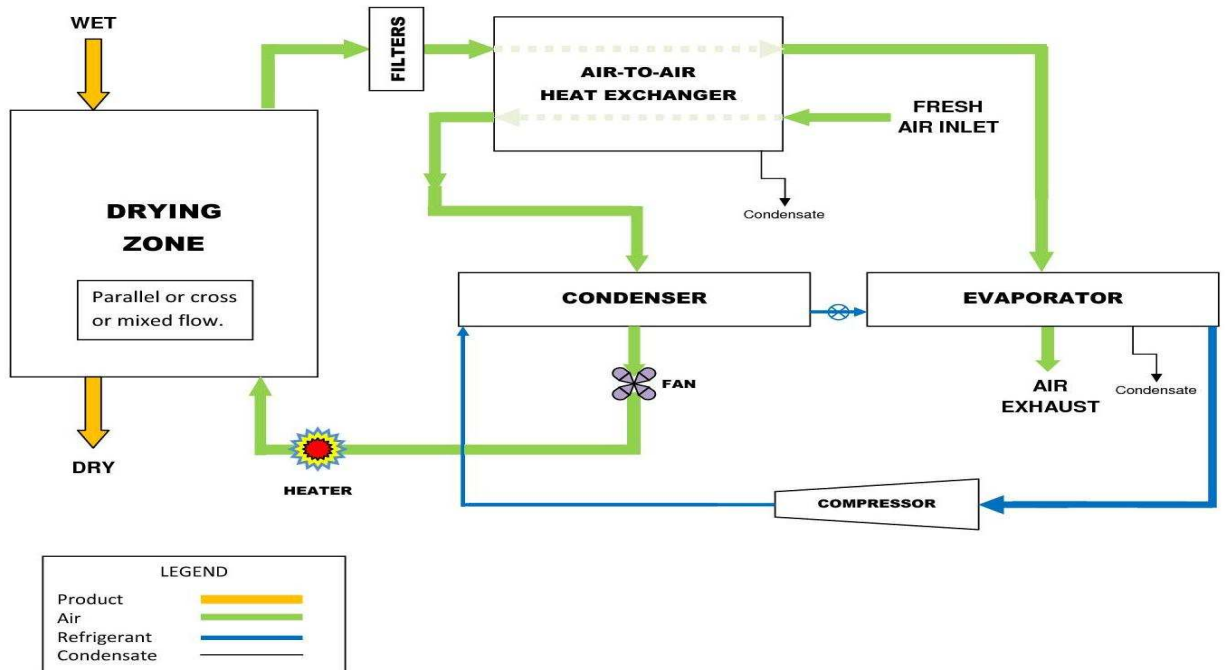


Vertical Cascade Tray Dryer

Open Cycle Flow Diagram with Economizer



Open Cycle Flow Diagram with Heat Pump



Energy Consumed by Some Common Dryer Types

| | <u>Btu/lb of water evaporated</u> |
|-------------------------------------|-----------------------------------|
| Inefficient Industrial Dryers | 4,000 |
| Typical Cross Flow Dryers | 2,400 – 3,000 |
| Typical “average” Industrial Dryers | 2,000 |
| With Tri-Phase Heat Recovery | 500 – 1000 |

Nominal 75% Energy Savings over Conventional Dryers

Tri-Phase Drying Technologies offers:

Economic Benefits

- Retrofit projects often have a 2 year or less economic payback
- Immediate positive cash flow available with 5 - 7 year leasing program

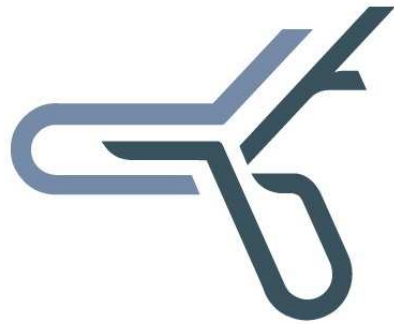
Operating Benefits

- 25 - 75% Dryer Energy Savings
- Low Heat Duty 500 – 1000 Btu/pound of water evaporated
- Open Cycle Drying Option Low temperature exhaust air with low concentration of volatiles and odors
- Closed Cycle Drying Option No air emissions, improved aroma and fuel value of products such as wood pellets
- Low Temperature Option Maximum product quality and no “bake on” to equipment surfaces

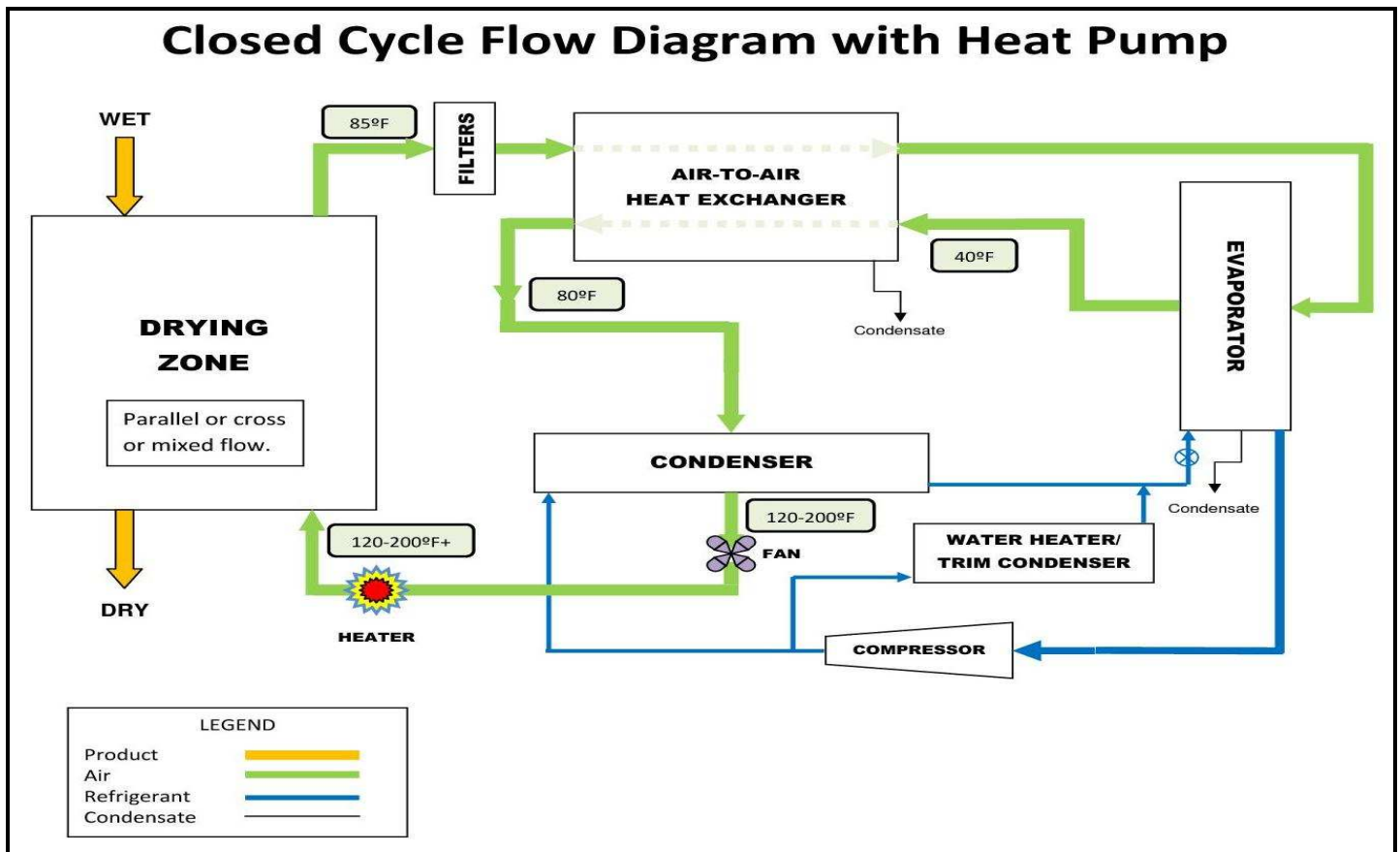
Services

- Retrofitting Existing Dryers - - - - Belt conveyor, rotary drum, hopper/column, fluidized bed, vertical cascade, multi-tray types, and others
- Systems Integrator - - - One Stop Shop for equipment, ducting, controls, installation, & startup
- Engineering Services

**Interested in saving money?
Let us show you what we can do for your bottom line.**



Tri-Phase
Intelligent Industrial Drying



Tri-Phase Drying Technologies
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