

INDUSTRIAL PROCESS DRYERS

Our range of Industrial Dryers have been designed to heat large volumes of air using hot water. Suitable for applications such as the **drying of grain, woodchip, logs, bricks, paper, textiles** and many more...

Our standard range is based on LTHW supplied to the heat exchanger at 80°C flow and 60°C return. Heating the air flow from an ambient of 15°C up to 55°C or more. Outputs from **100 kW** up to **1200 kW**.

Bespoke models / selections with alternative design temperatures are also available. Please contact us to discuss your application further. We can also uprate the heat exchanger for Steam, HPHW or Thermal Oil.

Advantages

- High thermal efficiency
- Cleanable and servicable
- Easy to install
- Large range of models
- UK factory
- Stock models for fast delivery
- Quiet running
- Automatic controls (optional)

Pressure Options

- **G model** - high pressure ≈1000Pa (4"wc) applications such as **Grain**
- **W model** - med pressure ≈500 Pa (2"wc) applications such as **Woodchip**
- **L model** - low pressure ≈250 Pa (1"wc) applications such as **Logs**

Mounting Options

- **Skid mounted package** - for easy handling and installation (standard)
- **Separate components** - for mounting directly to floor or own base
- **Containerised & insulated** - for noise reduction & weather protection

Materials

- Heat exchanger: Copper tubes / aluminium fins
- Frame, duct and grille: Galvanised mild steel
- Connections: Brass BSPT threaded / Steel PN16 flanged
- Fans: Epoxy powder coated mild steel
- Skid base: Fully welded stainless steel

Parts & Accessories

- Inverters (VSD)
- Insulated containers
- Flanged connections
- Maintenance tools
- Fully automated control panels
- Alternative materials
- Balancing valves
- Heat Meters



200 kW - L model



Container doors close for full insulation



250 kW - G model in fully insulated container



W & G models on stainless steel skid base frames

| OUTPUT | AIR FLOW | WATER FLOW |
|---------|---------------------------|------------|
| 100 kW | 7,200 m ³ /hr | 1.2 l/sec |
| 150 kW | 10,800 m ³ /hr | 1.8 l/sec |
| 200 kW | 14,400 m ³ /hr | 2.4 l/sec |
| 250 kW | 18,180 m ³ /hr | 3.0 l/sec |
| 400 kW | 29,250 m ³ /hr | 4.8 l/sec |
| 500 kW | 37,750 m ³ /hr | 6.0 l/sec |
| 600 kW | 43,920 m ³ /hr | 7.3 l/sec |
| 800 kW | 58,500 m ³ /hr | 9.7 l/sec |
| 1000 kW | 66,500 m ³ /hr | 11.9 l/sec |
| 1200 kW | 70,000 m ³ /hr | 14.7 l/sec |

