

Fiber drying process

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Fiber drying process I

The fiber drying process is an essential element of MDF production. The Sunds MDF fiber dryers offer the flexibility to use any heat medium in your MDF plant. The fiber dryers reduce heat energy consumption while increasing fiber quality. The flexibility is a valuable feature in many markets.

All Sunds MDF dryers are designed with:

- Low emission cyclones
- Low pressure drop for reduced electric consumption
- VFD-controlled fan motor for reduced electrical and heat energy consumption

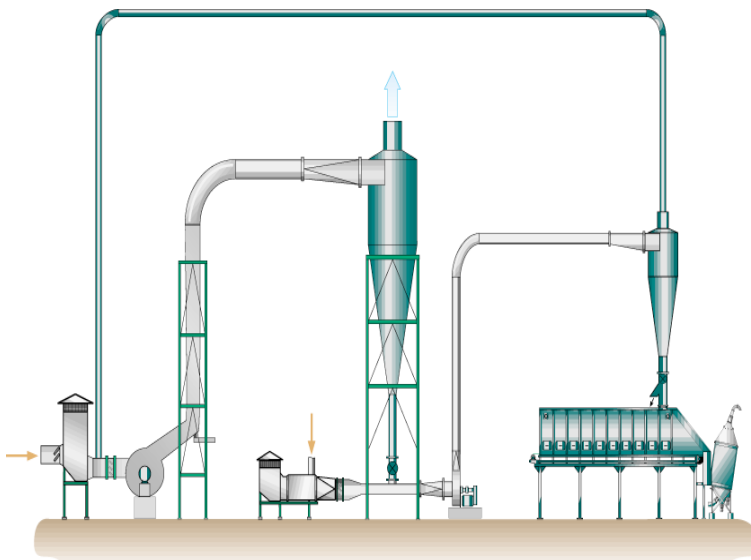
A two-stage drying system offers the following benefits:

- Approximately 25% lower heat energy consumption
- Smaller heat energy plant requirement due to less energy consumption
- Precise control on fiber moisture
- Lower dust emission
- Lower exhaust gas flow results in lower investment and operating costs for additional environmental control technology

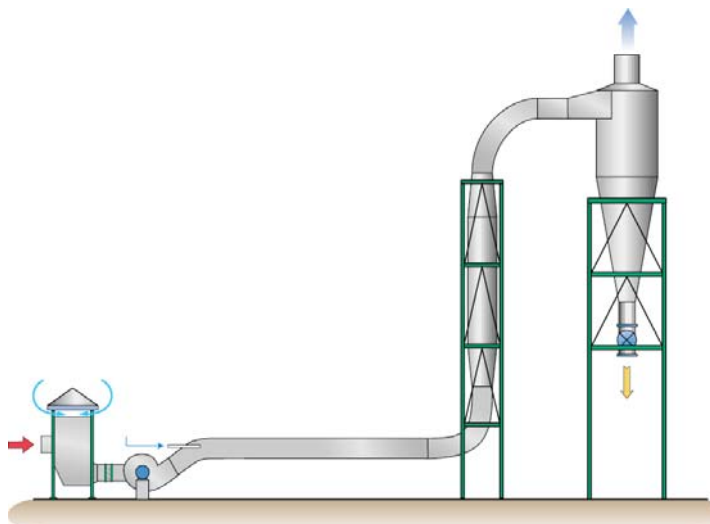
Fiber drying process II

Technical specifications

- Cyclones with high separating efficiency, up to 7,500 mm in diameter
- High-capacity rotary feeders, up to 3000 m³/h fiber in a single unit
- Fiber moisture tolerance of $\pm 0.5\%$



Two-stage dryer with RAS



Flue gas heated single-stage dryer