

Drying Systems: Rock Catchers, Burners & Tower Dryers

New High-Volume Tower Dryers

Lummus Tower Dryers are available in both the High-Volume configuration (27-inch shelf spacing) and the Standard (13.5-inch) spacing.

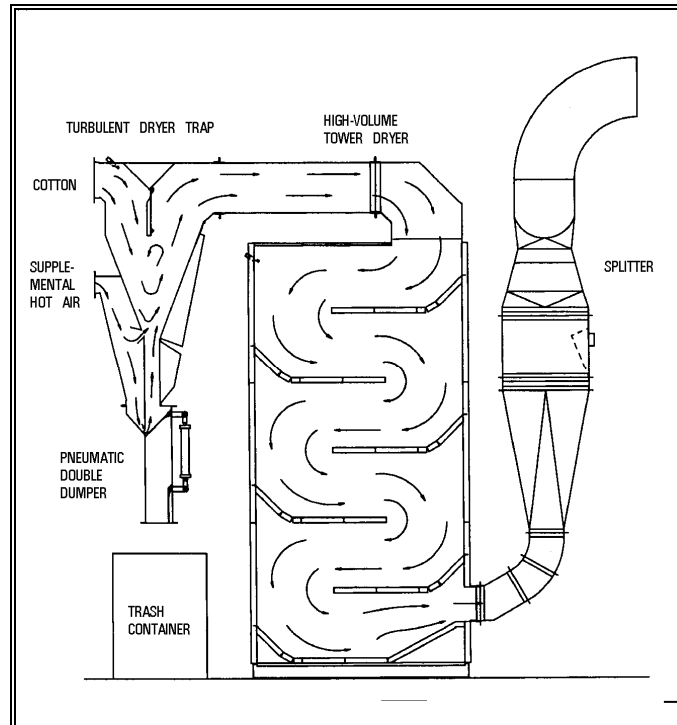
The 27-inch-high shelf spacing makes the Lummus High-Volume units the largest Tower Dryers in the industry for maximum heat transfer to the cotton, while maintaining acceptable mix point temperatures.

Lummus High-Volume Towers use the same basic side panels as our Standard Towers for simplified manufacturing and installation standards. They also use the same optional insulation system as the Standard Towers.

Lummus High-Volume Towers are designed primarily for use in pull-through drying systems, while Standard Towers can be configured for use in either push-pull or pull-through drying systems.

Turbulent Dryer Trap

High-Volume Tower Dryers can be equipped either with Lummus' exclusive Turbulent Dryer Trap (shown) or with a High-Capacity Rock Catcher to reduce foreign matter (rocks, green bolls, etc.). The Turbulent Dryer Trap enhances the drying process along with more precise trash separation through the induction of supplemental hot air into two points in the lower section of the trap. When furnished with a High-Capacity Rock Catcher on the inlet, the supplemental hot air is induced between the Rock Catcher and the High-Volume Tower Dryer inlet hood.



Gas Burners

Lummus Gas-Fired Burners are available in capacities from 0.2 million to 18 million Btu/hr for pull-through or push-pull applications.

- Use natural gas or propane
- Modulating temperature controls
- Convenient external air/fuel mixture control
- Convertible to butane or propane
- Turn-down ratios of up to 40:1 for more efficient operation

Oil-Fired Burners

Lummus Oil-Fired Burners are available in capacities from 0.5 million to

12 million Btu/hr for pull-through or push-pull applications.

- Integral combustion air fan
- Modulating temperature controls

Integrated System Design

Lummus Drying Systems are designed and sized for efficient drying and cleaning without wasted energy. Using one or two large heaters is much less expensive than many smaller heaters with the same total Btu output.

Burner control, as well as incoming and final moisture sensing, can be combined in the total gin plant control system.

All Lummus burners feature a Modulating High-Temperature Limit Control to prevent excessive temperatures at the air/cotton mix point



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