



Drying **DISTILLERS GRAINS**

DRYING • STATS • SOLUTIONS

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VULCAN
DRYING SYSTEMS

DRYING DISTILLERS GRAINS

A by-product of the distillation process, distillers grains are commonly produced by distilleries and ethanol plants. In distilleries, they are produced through mash being dried, before being re-sold as products such as livestock fodder. The ethanol industry produces corn-based distillers grains which are sold as a high-protein livestock feed. Recent studies have even shown that distillers grains consumed by humans may reduce the risk of heart disease.

STATISTICS

- Production of distillers grain reached 10 million tons per year in 2006
- 98% of North America's distillers grains come from dry-grind plants that produce ethanol for use in oxygenated gasoline
- The other 1-2% is produced by the alcoholic beverage industry
- Approximately 20% of distillers grains in North America is fed to swine and poultry, while the other 80% is fed to cattle

THE SOLUTION: ROTARY DRYERS

Over 87% of dry grind ethanol plants use rotary dryers to dry distillers grain they produce. Rotary dryers prove the most reliable method to dry distillers grain. The ease of operation and dependability of rotary dryers allows for high quality drying of distillers grains to be used for animal feed.

Wet distillers grains are conveyed into a rotary dryer for moisture removal. As the drum rotates, flights on the interior wall lift and drop the distillers grains, ensuring reduced moisture content. These dried grains are then discharged from the rotary drum, ready for sale.

VULCAN DRYING SYSTEMS

Vulcan Drying Systems supplies equipment to dry, sort, and move distillers grains. Our team can build a dryer to best fit your specific project needs.

Vulcan Drying Systems consist of a drum, burner, and a combustion chamber. After passing through the dryer, dried biomass is discharged onto a transfer conveyor for further sorting and separation. The vapor removed during the process is pulled to a cyclone specifically designed to work with dust. The vapors are then moved on to a high-temperature baghouse, which removes all fine particulates from the vapor stream.

For more information on Vulcan Drying Systems email us at sales@vulcandryingsystems.com or call us at +1 (660) 263-7474.

