



- No visible exhaust plume**
- Dramatically lower odor emissions**
- Energy savings with reusable heat**
- Product quality is protected**



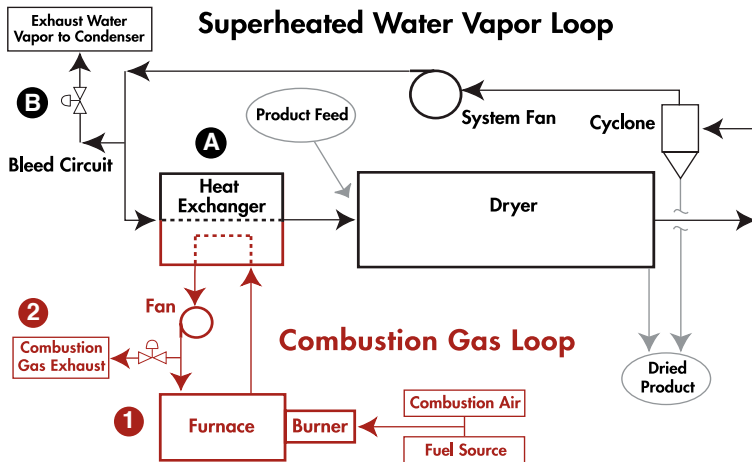
- **With Dupps EnviroDry airless drying technology there is no visible exhaust plume.** The dryer's minimal exhaust is essentially water vapor.
- **Minimal odor control equipment is needed.** Exhaust volume is much less than comparable heated air dryers, so even if an RTO is required, it will be considerably smaller and less expensive.
- **An EnviroDry system's excess heat energy can be recovered for use elsewhere in your plant.**
- **Heat-sensitive protein is protected.** There's no oxidation and no scorching — you get greater product quality and consistency.

EnviroDry airless drying technology is available in rotary drum and ring dryer configurations.



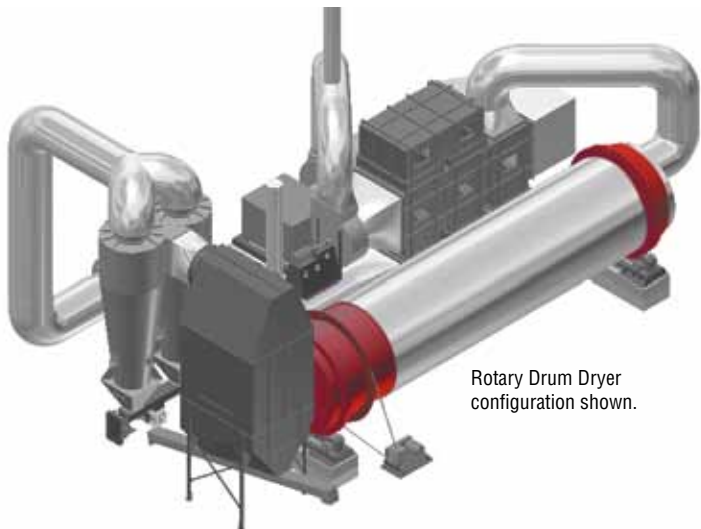


**Innovative Dupps EnviroDry utilizes superheated water vapor as the drying medium instead of conventional hot air. Combustion gases are isolated from the drying loop by a heat exchanger.**



System fan creates a circulating loop of water vapor. Heat is transferred from the heat exchanger (A) to drive the evaporation of moisture from wet feed in the dryer. The water evaporated from the feed displaces air in the water vapor loop, creating the “airless” environment. To maintain atmospheric pressure in the dryer, a bleed circuit (B) is needed to exhaust water vapor. This water vapor can be treated with a conventional condensing system or used as a heat source for other processes.

Combustion gases from a conventional furnace (1) supply heat to the exchanger. The combustion gases are circulated several times through the heat exchanger for maximum efficiency before being exhausted into the atmosphere (2).



Rotary Drum Dryer configuration shown.

Model	Drum Diameter	Drum Length	Evaporation Rate
DLT 4x22	4'	22'	1,100 lbs-H <sub>2</sub> O/hr
DLT 5x26	5'	26'	1,900 lbs-H <sub>2</sub> O/hr
DLT 6x32	6'	32'	3,200 lbs-H <sub>2</sub> O/hr
DLT 7x36	7'	36'	5,200 lbs-H <sub>2</sub> O/hr
DLT 8x42	8'	42'	6,800 lbs-H <sub>2</sub> O/hr
DLT 9x46	9'	46'	8,900 lbs-H <sub>2</sub> O/hr
DLT 10x50	10'	50'	11,500 lbs-H <sub>2</sub> O/hr
DLT 11x55	11'	55'	17,500 lbs-H <sub>2</sub> O/hr
DLT 12x60	12'	60'	23,000 lbs-H <sub>2</sub> O/hr

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