

# CONTINUOUS FLOW GRAIN DRYER

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## PRE-SEASON ANNUAL MAINTENANCE

- Verify Power is OFF
- Replace any screens or doors that were moved to clean out the dryer
- Inspect wiring in all cabinets for rodent damage
- Open Fan covers and inspect spark plug and flame sense wires
- Check belt and chain tension on all motors (don't forget the load Auger)
- Check main electrical connections, they should be tight and free from corrosion
- Grease bearings where applicable. Do not over grease. (2 pump max in motors per year)
- Check tilt switch function if applicable

## OPERATION TIPS

- Calibrate Dryer with a reliable moisture tester (mistakes on moisture cost heavily)
- Calibrate the moisture sensor near the set point
- Check vaporizer temperature. The vaporizer outlet should be around 100-120 degrees
- Lower plenum temperatures only as a last resort, or in very dry incoming grain
- Patience! Allow the dryer several hours to reach its setpoint
- Keep records. Know where you need to set the dryer on start-up
- Dryer will adjust metering roll speed slowly to reach its setpoint to avoid spikes
- Consider remote monitoring options. This can extend the working hours of your dryer
- Grain will "temper" in the bin. A mix of moistures tend to even out after cooling
- More often than not it is better to move grain hot and cool slowly in a farm bin
- Large commercial bins require grain to be cool before storage
- Consider your bins airflow, or have an airflow calculation done to determine best practice
- Corn will drop .2% for every 10 degrees F. above 60 degrees F.
- Keep screens and inlet clean during operation. Airflow is critical to good operation.
- Patience! Allow the dryer several hours to reach its setpoint

## POST-SEASON

- Clean dryer out top to bottom, inside and out. Fines draw moisture and cause rust
- Clean the fines inside the dryer with a shop vac
- Open trap doors to clean around metering rolls
- Clean outer screens and fan inlet. Consider using a pressure washer.
- A few shots of grease will drive moisture out of bearings
- Cover fan inlet to prevent wind from spinning fan blades
- Remove moisture sensors and store indoors