

FG-PH Fuel Dryer Throughput (typical)

Based on typical loads of 50-60klbs/hr.

Full system provides about 5 cycles (laps) of fuel to the boilers. (30 minutes)

A gate provides the dryer system about 25% of the total fuel on the conveyor each cycle (lap)

The boilers consume approx. 20% of the available fuel each cycle (lap)

One Cycle (Lap) = 6 minutes

*During an infeed, we are often filling the metering bins, which would reduce the cycles of total fuel feed. Infeeds often last 30 minutes or longer which would be considered live feed. Meaning we could only be drying 25% of the fuel during that time. When the system is not being fed additional fuel, the dryer would feed and cycle as shown below.

1 Cycle(Lap) = 6 minutes				
Lap 1	Available fuel	100%		
	Dryer feed	25%	25%	
	Consumed	20%		
Lap 2	Available fuel	80%		
	Dryer feed	25%	20%	
	Consumed	20%		
Lap 3	Available fuel	60%		
	Dryer feed	40%	15%	
	Consumed	20%		
Lap 4	Available fuel	40%		
	Dryer feed	25%	10%	
	Consumed	20%		
Lap 5	Available fuel	20%		
	Dryer feed	25%	5%	
	Consumed	20%		
	Fuel exhausted	0%	75%	Accumulated feed to dryer