



Gentle Drying Certification Score Sheet

A gin's drying system can have a major impact on all stakeholders. Drying abuse often stems from poor DS performance. Strong performance offers the luxury of gentle operation. A drying system is evaluated based on the following guidelines, with a maximum score of 1.0. Circle the appropriate points.

Item	Credits	Deducts	Criteria
1	0.3		40+ cubic ft/lb in primary stage of drying
	0.2		30-40 cubic ft/lb in primary stage of drying
	0.1		20-30 cubic ft/lb in primary stage of drying
	0.0	0.0	less than 20 cubic ft/lb in primary stage of drying
2	0.2		all heaters meet the approved heater requirements
	0.1		significant amount of heaters meet the approved heater requirements
	0.0	0.0	significant amount of heaters do not meet approved heater requirements
3	0.2		all fans properly sized for high air volumes
	0.1		significant number of fans properly sized
	0.0	0.0	significant number of fans undersized
4	0.2		all pipes & cyclones properly sized for high air volumes
	0.1		significant amount of pipes & cyclones properly sized
	0.0	0.0	significant amount of pipes or cyclones undersized
5	0.1		primary dryer(s) meet the approved dryer requirements
6	0.1		operational banjos or variable frequency drives on some drying system fans
	0.2		operational banjos or variable frequency drives on all drying system fans
7		0.1-0.5	excessive leak points
8		0.1-0.3	cylinder cleaning before majority of drying complete

continued

Item	Credits	Deducts	Criteria
9		0.1-0.3	excessive temperature loss (non-leak related)
10		0.1-0.3	system has points of excessive resistance (pressure drop) not accounted for elsewhere
11		0.-0.5	system is undersized for production capacity
12		up to 1.0	Lack of training, skilled operators, or acceptable oversight

approved heaters criteria:

meet requirements for primary certification
have a minimum of a 20:1 turndown ratio
must be capable of modulating smoothly throughout the operating range
Response: Temp change from 150 F to 300 F in 15 seconds
have low-pressure drop burner bodies
meet required safety standards

approved dryers criteria:

provides a high amount of slippage
promotes opening and single-locking
does not impose a significant pressure drop during operation

* Please note that additional criteria and requirements may be added as they are recommended and approved.

Notes: