

Drying Systems

General

Plant Type
Raw material
Site of erecting
Elevation
Seismic intensity (g factor)
Production hours
Winter Ambient Air Design Criteria
Temperature
Air humidity
Summer Ambient Air Design Criteria
Temperature
Air humidity
Starch Cake
Composition / description
Density
Flow behavior
pH-value assumed
Smell
Mean Particle Sizes
Abrasive to stainless steel

Engineering Design Data

Electrical data	460 V / 3 PH / 60 Hz
Fuel source	Natural gas
Instrument air	Free of oil, water, and dust free
Emission / odour abatement	Dust cleaned as specified in the quote, agreement to guarantee a maximum of 0.01 grains/dscf to be discussed
Noise emission, fans	Less than 85 dBA at 3 ft., single source
Noise emission, other equipment	Less than 85 dBA at 3 ft., single source
NFPA 68	Customer to provide

Process Parameters

Description	Unit
Wet product feed rate to dryer	lb/h
Wet feed moisture content	%
Wet product feed temperature	°F
Dried product output	lb/h
Final moisture in the dried product	%
Product outlet temperature after the dryer	°F
Dryer design inlet temperature	°F
Dryer evaporation rate	lb/h
Exhaust gas temperature, approx. (before ID fan)	°F
Exhaust Air Flow	ACFM
Particulate Emissions	Grains/dscf