



K-S Paddle Dryer/Cooler Questionnaire

The data you supply on this questionnaire will be used to develop a recommendation. More complete information yields a more accurate evaluation. Please contact us if you have any questions or need assistance.

From: _____ Voice: _____ email: _____

Company: _____

Address: _____

Plant type: _____

Objective

Drying Heating Cooling Sterilizing Cooking Reacting Melting Calcining

Project summary and objectives (what is most important?): _____

Feed Composition and Properties

Chemical Name (Formula): _____ % by Weight _____ Specific Heat BTU/lb/° F _____

Description (wet cake, slurry, free flowing, angle of repose, screen analysis): _____

Boiling point: _____ ° F Latent Heat of Vaporization: _____ BTU/lb

Melting point: _____ ° F Heat of _____ BTU/lb

How does the moisture appear? Free liquid Chemically bound Predominately bound

Process Conditions

Feed: _____ lbs wet/hr _____ lbs dry solids/hr _____

Density: _____ lbs/ft³ Feed Temperature: _____ ° F

Heat transfer medium: Steam: _____ psig Hot water: _____ ° F Hot oil: _____ ° F

Glycol: _____ ° F Cold water: _____ ° F

Materials of construction: carbon steel stainless steel other: _____

Other comments: _____

Product Characteristics

Characteristics of the final product: _____

Temperature range: _____ ° F Maximum temperature limit (if any): _____ ° F

Moisture Content: _____ % Density: _____ lbs/ft³

The product is: abrasive corrosive hygroscopic other: _____

Please provide us with any additional background information, process sketches, flow sheets, or special instructions.