summix® HEINKEL®

Conical Vacuum Dryer Application Process Data Questionnaire

Submitted for: ? Budget Quote ? Firm Quote ? Testing ? Rental

Date _____ 200_____

Company _____
Contact _____
Title _____
Address _____
_____
City _____St _____Zip _____
Country_____
Phone _____
Fax_____
Email _____

DRYING EXPERIENCE

How do you presently dry this product? _____
_____
_____

Is this method performing satisfactorily? Explain: _____
_____

PRODUCT CHARACTERISTICS

Chemical Name (s) _____
_____
_____

MSDS Attached: ? YES ? NO

Liquid to be removed is ? Water ? Solvent
(specify)_____

Solvent Heat Capacity _____BTU's/lbs.
Solvent Heat of Vaporization _____BTU's/lbs
Percent Water or Solvent _____%
Percent Unbound (free) Water or Solvent _____%
PH _____
Maximum Drying Temperature Allowed_____ °F °C
Vacuum Level Required _____Hg

Initial Product Characteristics: ? Toxic ? Flammable
? Explosive ? Corrosive ? Abrasive ? Sticky
? Cohesive ? Slurry ? Lumpy ? Paste ? Fibrous
? Crystalline

Do agglomerates form during drying? ? Yes ? No

Are liquids or solids added during drying? _____
_____

MACHINE CAPACITY

Material Batch Size_____Cubic Feet/Liters

PRODUCT CHARACTERISTICS

Initial Moisture Content _____**%**

Final Moisture Level Required_____%

Dried Material Characteristics: ? Powder ? Flake
? Granule ? Friable
? Sticky ? Cohesive ? Aerates ? Agglomerates
? Hygroscopic ? Other _____

Bulk Density Dried_____lbs/ft³
Angle of Repose _____ °from horizontal
Particle Size _____ mesh or µ

MATERIALS OF CONSTRUCTION

Product Contact: ? 304 ? 316
? Hastelloy ? Inconel ? Monel
? Other _____

External: ? 304 ? 316 ? Other
_____

SURFACE FINISH

Product Contact: _____
External: _____

UTILITIES AVAILABLE

Steam: _____lbs/hour, _____psig
Cooling Water _____°F °C, _____gpm, _____psig
Air _____psig, _____cfm
Electrical _____Voltage, _____Phase, _____Hz

Enclosures ? NEMA-12 ? NEMA-4 Washdown
? NEMA-7, X-P ? Other _____

Motor Classification: Class _____Div.,_____, Grp ____

CONTROLS & SUPPORT EQUIPMENT

? Basic Controls ? Automation ? Vacuum System
? Solvent Recovery ? Dust Collection ? Sifting
? Delta V Controls ? Heating Skid ? CIP
? Sample Taking ? Lump breaker/chopper
? Other_____

PROJECT SCHEDULE

Start-Up Scheduled for ? 1st 2? nd ? 3rd 4? th Qtr. Of Year: 200___

Project is Funded? ? Yes ? No

Installation Location (state or country) _____

GASKET, SEALS & O-RING MATERIALS (please advise your required material)

? Perlast G70 ? Silicone
? Viton ? FEP Encapsulated
? Kalrez ? Viton
? Chemraz ? NBR
? Other
_____

SOLVENTS IN PROCESS

Please list all solvents that will be used in the process and cleaning _____
_____
_____
_____

Design Temperature Min. & Max. (Vessel – Jacket)

Design Pressure Min. & Max. (Vessel – Jacket)
