SOLUTIONS
for
SOLIDS PROCESSING
Rental Fluid Bed Systems

We Make Your Work Flow
Carrier
Vibrating Equipment, Inc.
Continuous Vibrating Fluid Bed Systems

PLAN VIEW

VIEW A-A

VIEW B-B
Our Fluid Bed System Rental Packages are especially designed for testing your products within your processing operations. Available in BATCH or CONTINUOUS type, each component of the rental systems is assembled on a portable frame. Set each piece in place - connect utilities - and you're ready to operate.

Continuous Vibrating Fluid Bed Systems Rental Package:

MODEL QAD DRYER or QAC COOLER including:
- Adjustable Drive with 2HP Motor
- Patented Drilled Deck
- Stainless Steel Exhaust Hood

INTEGRAL GAS OR STEAM HEAT SOURCE including:
- Supply Blower with 7.5 HP Motor
- Gas Fired Burner (1 MBTU) or Steam Coils
- Process Control Panel with Starters
- Temperature Controllers and Indicators

CHARGING FEEDER with HOPPER and SPEED CONTROL (1HP Motor)

DUCTWORK (EXHAUST HEADER with Air Spouts)

CYCLONE DUST COLLECTOR

EXHAUST FAN with Starter (7.5 HP Motor)

NOTE:
The control panel includes Motor Starters and Instrumentation to measure AIR VOLUME, STATIC PRESSURE, AIR and PRODUCT TEMPERATURES.

All Equipment can be wired for 230 or 460 Volt operation. The Gas-fired Burner requires 1 PSI gas. If Steam Heat is preferred, indicate available pressure.

Multiple Units and Custom Arrangements are available.
Batch Vibrating Fluid Bed System Rental Package:

**BATCH PROCESSOR UNIT** including:
- Processing Area of 1 Square Foot
- Patented Drilled Deck Assortment
- Adjustable Vertical Stroke Drive with 2 HP
- Exhaust Hood with View Ports

**INTEGRAL STEAM OR ELECTRIC HEAT SOURCE** including:
- Supply Blower with 5 HP Motor
- Electric Heater (30 KW) or Steam Coils
- Process Control Panel with Starters
- Temperature Controllers and Indicators

**CYCLONE DUST COLLECTOR**

**EXHAUST FAN** with Starter
(5 HP Motor)

NOTE:
The control panel includes Motor Starters and Instrumentation to measure AIR VOLUME, STATIC PRESSURE, AIR and PRODUCT TEMPERATURES.

The System requires 460 Volts service. If Steam Heat is preferred, indicate available pressure.
Carrier's Fluid Bed System Rental Packages are instrumented for complete spectrum testing at your job site to gather necessary data for proper design.

Verifying all process parameters with testing assures system performance. Carrier makes it easy for you to process test your product in your plant. Nominal rental fees may be applied to purchase of new equipment through rental/purchase agreement. ASK FOR OUR RENTAL CONTRACT. Contact your local Representative or our Engineering Department.
<table>
<thead>
<tr>
<th>Processing Purpose</th>
<th>Drying</th>
<th>Heating</th>
<th>Cooling</th>
<th>Calcination</th>
<th>Sterilizing</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name and chemical composition of material to be processed</td>
<td>Softening: °F °C Melting: °F °C</td>
<td>Stickiness: °F °C Others: °F °C</td>
<td>Specific heat: BTU/lb. °F Kcal/Kg °C</td>
<td>Specific gravity:</td>
<td>Bulk gravity:</td>
<td>PCF</td>
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<tr>
<td>Physical properties</td>
<td>Average grain size:</td>
<td>Mesh</td>
<td>Micron</td>
<td>Max. grain size: %</td>
<td>Mesh</td>
<td>Micron</td>
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<tr>
<td>Processing condition</td>
<td>Feeding condition</td>
<td>Outlet (Exit) condition</td>
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<tr>
<td>Temperature</td>
<td>°F °C</td>
<td>°F °C</td>
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<tr>
<td>Water content</td>
<td>% Wet basis</td>
<td>% Dry basis</td>
<td></td>
<td>% Wet basis</td>
<td>% Dry basis</td>
<td></td>
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<tr>
<td>Processing capacity</td>
<td>Lbs. Kg./hr.</td>
<td></td>
<td>Wet basis</td>
<td>Dry basis</td>
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<tr>
<td>Heat media</td>
<td>Steam/Vapor: °F °C @ PSI Kg/cm²</td>
<td>Hot water: °F °C</td>
<td>Gas Natural @ PSI • Propane @ PSI • Oil</td>
<td>Cold water: °F °C @ PSI Kg/cm²</td>
<td>Other source: °F °C @ PSI Kg/cm²</td>
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<td>Design ambient:</td>
<td>°F °C</td>
<td>% R.H. Summer</td>
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<tr>
<td>Air condition:</td>
<td>°F °C</td>
<td>% R.H. Summer</td>
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<td>Construction material:</td>
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<td>Electric service:</td>
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<td>Scope of supply:</td>
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