

Container Discharger Application Datasheet

Company: EFFEM MONTEMORELOS
Address: _____
City: MONTEMORELOS
State: NL Zip: _____
Proposal Due Date: _____
Today's Date: 8 JULY 2024

Contact: JOSE TAMEZ
Title: PROJECT ENGINEER
Email: jose.tamez@effem.com
Phone: _____
Fax: _____
Funded: ☒ Yes ☐ No

Material Information

Material Name: CHOCOLATE
Bulk Density: 81 PCF
Particle Size: TBD
Moisture Content: TBD
Temperature: 45° CELSIUS

Characteristics

☐ Abrasive ☐ Adhesive ☐ Cohesive
☐ Corrosive ☐ Degradable ☐ Dusty
☐ Explosive ☐ Flammable ☐ Friable
☐ Hazardous ☐ Hygroscopic ☐ Packs
☐ Smears ☐ Toxic
Other: SEMI MELTED

Flowability

☐ Flow Freely from Container
☒ Does Not Flow Freely from Container
☐ Compacts ☐ Bridges
☐ Interlocks ☐ Ratholes

Material Composition

☐ Fiber ☐ Flake ☐ Granule
☐ Pellet ☐ Powder ☐ Irregular
☐ Other: SEMI MELTED

Electrical & Power Information

Electrical Supply: 460 VAC / 3 Ø / 60 Hz - Other: 220 VAC BI FASIC
Area Classification: Class _____ Division _____ Group(s) _____
K_{st} & P_{max} Value: _____
Grounding: _____
Plant Air: 10 CFM @ 80 PSI - Other: _____

Control Voltage: 24 VDC - 120 VAC - Other: _____
Enclosures: NEMA 12 - NEMA 4 - NEMA 4X - NEMA 7/9
Explosion Suppression: _____
Type of Conduit: Galvanized - Stainless - Other: _____
Type of Pneumatic Hose/Tubing: TUBING
Type of Hydraulic Hose/Tubing: TUBING

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Container Shape

☐ Vat ☒ Barrel
☐ Drum ☐ Box
☐ Other: _____

Container Construction

☐ Carbon ☐ Wood ☐ Aluminum
☐ Fiber ☐ Stainless Steel
☐ Other: PLASTIC

Container & Pallet Information

Container Dimensions: _____
Filled Container Weight: 400 KG MAX
Liner: NO
Pallet Dimensions: TBD
Pallet Style/Orientation: TBD

General Build Requirements

Available Ceiling Height: 4000 MM
Washdown: Water – Cleaning Solutions: _____
Product Contact: CS – 304-2B SS – 316L
Weld & Grind Finish: FOOD GRADE
Non-Product Contact: CS – 304-2B SS – 316L SS
Paint Color (RAL #): _____

Equipment Evaluation

Discharge Base: Stationary – Portable w/ casters – Portable w/ Forklift
Container load method: Pallet Jack – Roller conveyor - Forklift
Discharger Type: Open Chute – Grate - Lift & Seal (Dust Tight)
Flow Control/Gate Description: FLOW CONTROL
Batch or Continuous Process: TBD
Discharge Rate: TBD

Required Discharge Height: 2300 MM
Required Discharge Angle: 150°
Available Ceiling Height: 4000 MM
Target / Infeed Description: _____
Downstream Process: _____

Equipment Sketch (Stackup – Orientation – Interconnection)

