

C. A. BRIGGS COMPANY



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THE LEVELWORKS® PEOPLE

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FROM

Company Name: _____ Contact: _____

Street Address: _____

City: _____ State: _____ Zip Code: _____

Phone: () _____ Fax: () _____ E-Mail: _____

Level Control Application - Check List

Material Information

Name: (specific and generic): _____

Liquid Slurry Powder Flake Pellet: GRANULAR: Other: _____

Characteristics: (free flowing, sticky, wet, bridges, rat holes, thick and viscous) _____

Does material coat side walls?(Y/N)___ Top of vessel?(Y/N)___ Coating Thickness: _____

Non Air Vapor above Product(Y/N)___ If Yes, what type? _____

Is Material Compatible with: Aluminum Brass 316SS Teflon PVC Other: ___

Is Material Conductive?(Y/N)_____

Is Material Flammable or Explosive?(Y/N)_____ What is area classification? _____

Class, Division, Group or IP rating _____

Are there Food Grade or Sanitary requirements?(Y/N)___ What? _____

For Solids:

Particle Size(inches/mm): Minimum:_____ Average:_____ Maximum:_____

Moisture Content of Product (%): Minimum:_____ Average:_____ Maximum:_____

Bulk Density (pounds per cubic foot): _____ Angle of Repose: _____

Material Dielectric:_____ Special Characteristics? _____

Is Material Aerated for flow?(Y/N)___ What type? _____ Is there airborne dust?(Y/N)___

Vibrations Considerations:(describe)_____

For Liquids or Slurries:

What is material Specific Gravity?_____ Material Dielectric:_____ What is Viscosity?_____

Liquid Surface: Calm?(Y/N)___ Turbulent?(Y/N)___ Foam?(Y/N)___ Bubbles present?(Y/N)___

Are there Suspended Solids?(Y/N)___ Does liquid coat or buildup?(Y/N)_____

Agitator Present?(Y/N)___ RPM:_____ Blade Diameter (inches/mm):_____

Electrical Power and Output Requirements

Power Supply Available: 115VAC 230VAC 24VDC Other:_____

Integral Electronics Preferred Remote Electronics Preferred If Remote, Distance to Sensor _____

Sensor Area Classification:_____ Electronics Area Classification:_____

Sensor Indoor/Outdoor?(I/O)___ Remote Electronic Indoor/Outdoor?(I/O)___

Point Level Required?(Y/N)___ Continuous Level Required?(Y/N)___ Both Point & Continuous?(Y/N)___

Output Preferred: Display High/Low Relays 4/20mA Other(specify)_____

Other requirements:_____ Send Free Engineering Pad

Vessel Parameters:

Total Number of Vessels to be monitored: _____

Number of Vessels containing Liquids/Slurries: _____

Number of Vessels containing Bulk Solids: _____

Vessel Height and Diameter/Length and Width PLUS Quantity: 1)H_____ D/L_____ W____ Q_____

2)H_____ D/L_____ W____ Q_____ 3)H_____ D/L_____ W____ Q_____ 4)H_____ D/L_____ W____ Q_____

5)H_____ D/L_____ W____ Q_____ 6)H_____ D/L_____ W____ Q_____ 7)H_____ D/L_____ W____ Q_____

Pressure: Inside Vessel: Min_____, Normal_____,Max_____ Outside Vessel:Min_____, Normal_____,Max_____

Temperature: Inside Vessel:Min_____, Normal_____,Max_____ Outside Vessel:Min_____, Normal_____,Max_____

Vessel Construction:

- Vertical Cylinder
- Horizontal Cylinder
- Square/Rectangular
- Bolted
- Welded
- Spiral
- Corrugated
- Other: _____

Vessel Material:

- Stainless Steel
- Galvanized Steel
- Carbon Steel
- Aluminum
- Concrete
- Fiberglass
- Plastic
- Lined
- Other _____

Is there any internal structure in the vessel, such as: Cleanout Cage, Agitator, Stiffening Bars, Baghouse, etc.? Please Specify: _____

Please provide a sketch or attach drawing (show Side and Top View). Include fill, discharge, baghouse, vents, ports and nozzles, aeration points: