

For a detailed AirSweep® System proposal engineered specifically for your application, please answer all applicable questions.

Company Name \_\_\_\_\_  
 Contact Name and Title \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip or Postal Code \_\_\_\_\_  
 Country \_\_\_\_\_ Phone \_\_\_\_\_ Fax \_\_\_\_\_  
 Email \_\_\_\_\_

**1. Description of Application / Problem:**

\_\_\_\_\_  
 \_\_\_\_\_

**2. Description of Material in Vessel:**

\_\_\_\_\_  
 \_\_\_\_\_

- (A) Moisture content \_\_\_\_\_ % Min. \_\_\_\_\_ % Max.
- (B) Range of particle size: Min. \_\_\_\_\_ inches mm, or \_\_\_\_\_ Mesh  
 Max. \_\_\_\_\_ inches mm, or \_\_\_\_\_ Mesh  
 Percent Under 60 Mesh \_\_\_\_\_ % / Under 200 Mesh \_\_\_\_\_ %
- (C) Temperature (Max): \_\_\_\_\_ Please check one: ° F or ° C
- (D) Density: \_\_\_\_\_ lb/ft.<sup>3</sup> kg/m<sup>3</sup>
- (E) Special characteristics:  
 \_\_\_\_\_

Mesh	Micron	Inches
4	4760	.185
6	3360	.131
8	2380	.093
12	1680	.065
16	1190	.046
20	840	.0328
30	590	.0232
40	420	.0164
50	297	.0116
60	250	.0097
70	210	.0082
80	177	.0069
100	149	.0058
140	105	.0041
200	74	.0029
230	62	.0023
270	53	.0021
325	44	.0017
400	37	.0015
625	20	.0008
1250	10	.0004
2500	5	.0002

**3. Description of Vessel (Please submit a drawing)**

- (A) Vessel construction: Carbon Steel SS 304 SS 316 Concrete Other \_\_\_\_\_
- (B) Capacity: \_\_\_\_\_ tons metric tons, or \_\_\_\_\_ cubic feet cubic meter
- (C) Wall thickness: \_\_\_\_\_ inches mm
- (D) Slope of wall: \_\_\_\_\_ ° from Horizontal
- (E) Size of discharge opening (Please specify unit of measurement): \_\_\_\_\_
- (F) Size of vessel before slope: (Diameter or H x W x D. Please specify unit of measurement) \_\_\_\_\_
- (G) Type of gate: \_\_\_\_\_
- (H) Number of vessels like this one: \_\_\_\_\_

Continued on the next page.

**4. Flow of Material:**

(A) Level of material is typically \_\_\_\_\_ to \_\_\_\_\_ feet meter above bottom discharge.

(B) Vessel is filled by      Conveyor      Feeder      Bucket      Other \_\_\_\_\_

**AND**

Discharges onto      Conveyor      Feeder      Truck      Other \_\_\_\_\_

(C) Required flow from vessel is:      Continuous      Intermittent

(D) Current discharge is:      Air      Gravity

(E) Required rate of flow is \_\_\_\_\_ tons / hour      metric tons / hour

**5. System Control**

(A) Is stand-alone control required?      Yes      No

(B) Will manual override be needed?      Yes      No

(C) Voltage requirement:      110      220      24      Other \_\_\_\_\_

(D) Please specify any special features required for system control:

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**6. Air Supply**(A) Air supply available at vessel: \_\_\_\_\_ PSI      BAR and \_\_\_\_\_ CFM      m<sup>3</sup>/min

(B) Air supply pipe size diameter: \_\_\_\_\_ inches      mm

**7. Please indicate any other flow aids that have been tried with this application:**


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**For North America, South America, Europe, Africa**

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*Engineering drawings or a sketch with dimensions can be emailed to [Sales@ControlConceptsUSA.com](mailto:Sales@ControlConceptsUSA.com). Please include your company information on drawing. Most CAD file formats are acceptable.*



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