



17387 Munn Rd., Chagrin Falls, OH 44023

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Cyclone Questionnaire

The following questions will help us quote the cyclone dust collector for your application. Please fill out the questionnaire and return to us or call Dan Navicky at 440-543-7400 ext. 135 to discuss your application.

- 1) What is the Project Name?
- 2) Where is the dust coming from? Please explain the process before and after the cyclone.
- 3) Is there a baghouse, cartridge collector, wet scrubber, or ESP dust collector after the cyclone?
 - a. If so how often do you clean or replace the filters?
 - b. Are you having any operational problems with the dust collector? If so please describe.
- 4) Please provide the following
 - a. Airflow (ACFM)
 - b. Temperature (°F)
 - c. Pressure/Vacuum available on fan (in W.C.)
 - d. Humidity
- 5) Please describe the solids
 - a. Flow rate (lbs./hr. or ft³/hr.)
 - b. Density of the solids (lbs./ft³)(required if lbs./hr. provided)
 - c. Are the solids (abrasive, corrosive, toxic, sticky, hygroscopic, granular, powder, fragile, degradable)?
 - d. Do the solids bridge?
 - e. Particle size distribution if available
Less than 5 micron _____
5 – 10 micron _____
11 – 15 micron _____
16 – 20 micron _____
Greater than 21 micron _____
 - f. How would you describe the solids? (ex. Similar to sand, flour, etc.) Do you have a picture?



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- 6) What removal efficiency are you looking for the cyclone to do? What would you consider a success?
- 7) Are you putting explosive venting or suppression on the cyclone?
- 8) Do you have space restrictions? Do you prefer vertical or horizontal design?
- 9) What type of discharge valve do you want?
(Rotary, Vacu-valve, double dump, knife/slide gate)
- 10) What materials of construction do you want?
(Painted carbon steel, 304 SS, 316 SS, other)
- 11) What class welding do you want?
Class I – standard
Class II – 100% penetration
Class III – 100% penetration, 80 grit on internal welds - Food grade
Class IV – 100% penetration, 100 grit on internal welds - Food grade
- 12) What scope of supply do you want?
(Cyclone, fan, discharge valve, support steel, differential pressure gage)
- 13) What electrical supply is available? Is Pneumatic air available?
- 14) Is this an existing application?
 - a) If so what are you using now?
 - b) Why are you changing?
 - c) Are there any limitations?
- 15) Is there any other information that would be helpful? (Pictures, sketches, etc.)
- 16) Are you interested in GPC or Split Stream Collector?
- 17) What is the timing of this project?

On site pilot testing, Aerodyne facility pilot testing and Particle size distribution testing now available. Check with factory for availability.

Thank you