



**C.P.E.  
FILTERS,  
INC.**

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## EQUIPMENT SELECTION DATA AIR POLLUTION GUIDE

Please complete as much of this form as possible so that we can evaluate the most efficient and economical dust collector for your particular application.

Date: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Telephone No.: \_\_\_\_\_ Fax No.: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Requested By: \_\_\_\_\_ Title: \_\_\_\_\_

Plant Location: \_\_\_\_\_

Location of Equipment: \_\_\_\_\_ Indoors \_\_\_\_\_ Outdoors

Attach a sketch of plant layout in which the area the dust collector is to be located.

Type of Application: \_\_\_\_\_

Gas Volume: \_\_\_\_\_ ACFM

Design Gas Temperature: \_\_\_\_\_ ° F

Operating Temperature: \_\_\_\_\_ ° F

Moisture Content of Gas Stream: \_\_\_\_\_ %

Design Pressure: \_\_\_\_\_ " W.G.

Operating Pressure: \_\_\_\_\_ " W.G.

Altitude: \_\_\_\_\_ ASL

Specified Air-to-Cloth Ratio: \_\_\_\_\_ ACFM/SQ.FT.

Specified "Can" Velocity: \_\_\_\_\_ FPS

### Dust Characteristics

Dust Type: \_\_\_\_\_

Dust Loading to Collector: \_\_\_\_\_ GR./ACF

Bulk Density of Dust: \_\_\_\_\_ LBS./CU.FT.

Size Distribution of Dust Particles: \_\_\_\_\_ % < 325 Mesh

\_\_\_\_\_ % < 500 Mesh

\_\_\_\_\_ % < 10 Microns  
 \_\_\_\_\_ % < 5 Microns  
 \_\_\_\_\_ % < 2 Microns  
 \_\_\_\_\_ % < 1 Microns

**Other Dust Characteristics:**

\_\_\_\_\_ Explosive    \_\_\_\_\_ Combustible    \_\_\_\_\_ Abrasive  
 \_\_\_\_\_ Toxic    \_\_\_\_\_ Hygroscopic    \_\_\_\_\_ Corrosive  
 \_\_\_\_\_ Sticky    \_\_\_\_\_ Agglomerates

**Efficiency Requirements**

Maximum Allowable Outlet Emissions: \_\_\_\_\_ GR./ACF  
 Desired Efficiency: \_\_\_\_\_ %

**Dust Collector Requirements:**

Baghouse \_\_\_\_\_ Cartridge Collector \_\_\_\_\_  
 Collector Style: \_\_\_\_\_ Square/Rectangular \_\_\_\_\_ Round  
 Collector Design: \_\_\_\_\_ Top Removal \_\_\_\_\_ Bottom Removal  
 If Top Removal: \_\_\_\_\_ Walk-In Plenum \_\_\_\_\_ Lift-Off Roof Doors  
 Type of Filter Bags: \_\_\_\_\_  
 Type of Cartridges: \_\_\_\_\_  
 Dust Collector Materials of Construction: \_\_\_\_\_  
 If Stainless Steel: \_\_\_\_\_ Interior Product Contact Surfaces  
 \_\_\_\_\_ Interior Gas Contact Surfaces

**Electrical Requirements:**

Controls: \_\_\_\_\_ Volts \_\_\_\_\_ Phase \_\_\_\_\_ Hertz  
 Motors: \_\_\_\_\_ Volts \_\_\_\_\_ Phase \_\_\_\_\_ Hertz  
 Electricals: \_\_\_\_\_ NEMA 4    \_\_\_\_\_ NEMA 9    \_\_\_\_\_ NEMA 7  
 Structural Support Legs: \_\_\_\_\_ Yes  
 \_\_\_\_\_ Clearance Below Hopper Discharge  
 \_\_\_\_\_ Seismic Zone  
 \_\_\_\_\_ Wind Load

Hopper Slope: \_\_\_\_\_  
 Dust Discharge Flange Opening: \_\_\_\_\_  
 Material of Construction for Cages: \_\_\_\_\_  
 Exterior Paint Requirements: \_\_\_\_\_  
 Interior Paint Requirements: \_\_\_\_\_

Access Platform: \_\_\_\_\_ Yes      \_\_\_\_\_ No  
Access Ladder: \_\_\_\_\_ Yes      \_\_\_\_\_ No  
Insulation and Lagging: \_\_\_\_\_ Yes      \_\_\_\_\_ No  
Other Requirements: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Dust Collector Accessories:**

Exhaust Fan: \_\_\_\_\_ Exhaust Fan Damper: \_\_\_\_\_  
Screw Conveyor: \_\_\_\_\_  
Rotary Airlock: \_\_\_\_\_  
Vibrator: \_\_\_\_\_  
Level Detector: \_\_\_\_\_  
Other Components: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Project Status:**

Is the project funded: \_\_\_\_\_ Yes      \_\_\_\_\_ No  
Quote Requirement: \_\_\_\_\_ Bugetary      \_\_\_\_\_ Firm  
When is equipment required at the jobsite: \_\_\_\_\_