

GUIDELINES ON REQUIRED DATA CONCERNING AIR VOLUMES FOR DUST COLLECTORS

EQUIPMENT	VENTILATION	
	DESCRIPTION	REQUIREMENT
1. CRUSHER	Food Hood Opening	Length _____ mm Width _____ mm
2. VIBRATING SCREENS	Area of Screen	Length _____ mm Width _____ mm
	Area of hood opening, if enclosure of screen is supplied with discharge or other openings	Length _____ mm Width _____ mm
3. BINS	Bin cross-sectional area	Length _____ mm Width _____ mm For Round Bins Diameter ϕ _____ mm
4. OPEN STORAGE DUMPS	Grate Area when dumping of material through grate	Length _____ mm Width _____ mm
5. RAW MATERIAL DRYERS	Weight of dried material discharge per minute	_____ kg/min
6. RAW GRINDING MILLS	Gravity Discharge Mill Mill Air Volume per minute	_____ m ³ /min
	Air Swept Mill Weight of ground material discharge per minute	_____ kg/min
7. ROLLERS MILLS	Roller Bowls Mills Weight of ground material discharge per minute	_____ kg/min
8. COAL MILLS	Gravity Discharge Mill Mill Air Volume per minute	_____ m ³ /min
	Drying Grinding Operations Weight of Coal Discharge per minute	_____ kg/min

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9. ROTARY KILN EXIT GASES	Wet Process Rotary Kiln Weight of Clinker Discharge per minute	_____ kg/min
	Drying Grinding Operations Weight of Clinker Discharge per minute	_____ kg/min
10. FINISH GRINDING MILLS	Mill Air Volume per minute	_____ m ³ /min
11. MECHANICAL AIR SEPARATOR	Weight of separator product per minute	_____ kg/min
12. BUCKET ELEVATORS	Elevator Casing cross-section	Length _____ mm Width _____ mm
	Elevator Height	Height _____ mm
13. TRANSFER POINT for belt conveyors for dry bulk materials (Notes: Dry, very dusty materials may require exhaust volumes 1.2 to 2.0 times stated values)	Area of opening in protective enclosure	Length _____ mm Width _____ mm
	Belt Speed	Speed _____ m/min
	Belt Width	Width _____ mm
	Material Height of Fall	_____ mm
	Transfer Point Interval	_____ mm
	(Enclosure to provide 150-200 fpm indraft at all openings)	
14. PNEUMATIC conveying throughs, blending systems and from silo aeration for activation of raw mix and cement	Air Volume supplied by blower	_____ m ³ /min
15. PNEUMATIC CONVEYING PUMPS	Free Air Volume supplied by compressor	_____ m ³ /min
16. BULK CEMENT LOADING	Container Volume into which cement is loaded	_____ m ³

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17. CEMENT BAG PACKERS Applies to row packers (2-6 spouts) as well as rotating packers (up to 12 spouts)	Number of filling spouts	_____ spouts
18. BAG TUBE PACKERS	Number of filling tubes	_____ tubes
19. BIN & HOPPER	Mechanical Loading (Bin) All open area	Length _____ mm Width _____ mm
	Manual Loading (Hopper) Area of hood face	Length _____ mm Width _____ mm
20. EXISTING INSTALLATION		
20.1.1. Enclosure Type and Dimension		Length _____ mm Width _____ mm
20.1.2. Hood Type and Opening Dimension		Length _____ mm Width _____ mm
21. OTHERS (Specify equipment and usage, ventilation description and requirement, cross-sectional area, enclosure and opening size, layout and drawings)		