TABLE 36-A

A GUIDE TO VENTILATION RATES FOR TYPICAL INDUSTRIAL EQUIPMENT

Federal, State, or Local Regulations Should Be Followed Where Higher Ventilation Rates Are Required

Operation	*Ventilation*		*Usual Transport Velocity (fpm)*	*Remarks*
	Type of Hood	*Air Flow*		
Abrasive blast rooms (sand, grit, or shot)	Tight enclosure with air inlets (usually in roof)	60–100 fpm downdraft (long rooms of tunnel proportions 100 fpm crossdraft)	3,500	Many codes specify minimum down draft of 80 fpm
Abrasive blast cabinets	Tight enclosure with access openings	20 air changes per minute but not less than 500 fpm through all openings	3,500	
Asbestos Carding Spool winding	Enclosure Local hoods	800 cfm per machine 50 cfm per spool	3,000 3,000	See references for details and other operations
Bagging Open bag top	Booth or enclosure (provide spillage hopper)	Paper bags—100 cfm per sq ft open area Cloth bags—200 cfm per sq ft open area	3,500 3,500	
Barrels—Drums (filling or removing material by scoop)	Local hood	100 cfm/sq ft of container cross section	3,500	Hood with 1-in slot extending 120 to 180 deg container Does not confine spillage
	Booth	100 fpm at face	3,500	Confine spillage—also recommended for container upsetting
Belt conveyors	Hood at transfer point	Belt speeds less than 200 fpm—350 cfm per foot of belt width, but not less than 150 fpm through open area Belt speeds over 200 fpm—500 cfm per foot of belt width but not less than 200 fpm through open area	3,500	