

INDUSTRIAL VENTILATION

18th *Edition*

A Manual of Recommended Practice

1984

COMMITTEE ON INDUSTRIAL VENTILATION

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TABLE 5-9-2

MISCELLANEOUS SPECIFIC OPERATION STANDARDS

Operation or Industry	Ventilation		Minimum Design Duct Velocity fpm	References and Remarks
	Type of Hood	Air Flow or Capture Velocity		
Abrasive Wheel Manufacture	Enclosure--booth	50 fpm at face	3000	(33)
Grading screen Barrels		400 fpm at face	3000	---- Bbls. receive dust from cyclone
Grinding wheel dressing	Enclosure--booth	400 fpm at face	3000	----
Aluminum Furnaces	Enclosure	150-200 fpm through opening	2000	(14) ----
Asbestos				
Bagging	Enclosure	250 fpm through all openings	3500	(125, 127)
Carding	Booth	1600 cfm/card	3500	
Crushing	Enclosure	150 fpm through all openings	3500	(124)
Drilling of panels containing asbestos	Moveable hood	400 fpm capture velocity	4500	(126)
Dumping	Booth	250 fpm face velocity	3500	(126)
Grinding of brake shoes	Enclosure	400 fpm - minimum capture at the tool rest	3500	(126)
Hot press for brake shoes	Enclosure	250 fpm through all openings	3500	(126)
Mixing	Booth	250 fpm face velocity	3500	(126)
Preform	Enclosure	250 fpm through all openings	3500	(126)
Press	Enclosure	200 fpm through all openings but not less than 25 cfm/sq ft screen areas	3000	(125)
Screening		50 cfm/spool	3500	
Spool winding	Local Hoods	50 cfm/spool	3500	
Spinning and twisting	Partial	50 cfm/spool	3500	Hinged front panels and skirt, wet twisting preferred
Weaving	Canopy with baffles	50 fpm through openings	3500	Wet weaving preferred
Auto Parking Garage	2 Level	500 cfm/Parking Space		(80)
Ceramic				
Dry pan	Enclosure	200 fpm through all openings	3500	(24, 31, 39)
Dry press	Local at die	500 cfm	3500	Automatic feed
	Local at die	500 cfm	3500	Manual feed
	At supply bin	500 cfm	3500	Manual feed
Aerographing	Booth	100 fpm (face)	----	----
Spraying (lead glaze)	Booth	400 fpm (face)	2000	----