

AIR MIXER CAPACITY AND PRESSURE DROP										
	MIXER FACE VELOCITY, F.P.M.									
	600	700	800	900	1,000	1,100	1,200	1,300	1,400	1,500
PRESSURE DROP* I.W.G.	0.07	0.09	0.11	0.13	0.15	0.18	0.21	0.25	0.29	0.34
CAPACITY** CFM PER SQ. FT.	600	700	800	900	1,000	1,100	1,200	1,300	1,400	1,500
SIZE**	MIXER CAPACITY, CFM									
12" x 12"	600	700	800	900	1,000	1,100	1,200	1,300	1,400	1,500
18" x 18"	1,350	1,575	1,800	2,025	2,250	2,475	2,700	2,925	3,150	3,375
24" x 24"	2,400	2,800	3,200	3,600	4,000	4,400	4,800	5,200	5,600	6,000
30" x 30"	3,750	4,375	5,000	5,625	6,250	6,875	7,500	8,125	8,750	9,375
36" x 36"	5,400	6,300	7,200	8,100	9,000	9,900	10,800	11,700	12,600	13,500
42" x 42"	7,350	8,575	9,800	11,025	12,250	13,475	14,700	15,925	17,150	18,375
48" x 48"	9,600	11,200	12,800	14,400	16,000	17,600	19,200	20,800	22,400	24,000
54" x 54"	12,150	14,175	16,200	18,225	20,250	22,275	24,300	26,325	28,350	30,375
60" x 60"	15,000	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500
66" x 66"	18,150	21,175	24,200	27,225	30,250	33,275	36,300	39,325	42,350	45,375
72" x 72"	21,600	25,200	28,800	32,400	36,000	39,600	43,200	46,800	50,400	54,000
78" x 78"	25,350	29,575	33,800	38,025	42,250	46,475	50,700	54,925	59,150	63,375
84" x 84"	29,400	34,300	39,200	44,100	49,000	53,900	58,800	63,700	68,600	73,500
90" x 90"	33,750	39,375	45,000	50,625	56,250	61,875	67,500	73,125	78,750	84,375
96" x 96"	38,400	44,800	51,200	57,600	64,000	70,400	76,800	83,200	89,600	96,000
102" x 102"	43,350	50,575	57,800	65,025	72,250	79,475	86,700	93,925	101,150	108,375
108" x 108"	48,600	56,700	64,800	72,900	81,000	89,100	97,200	105,300	113,400	121,500
114" x 114"	54,150	63,175	72,200	81,225	90,250	99,275	108,300	117,325	126,350	135,375
120" x 120"	60,000	70,000	80,000	90,000	100,000	110,000	120,000	130,000	140,000	150,000
126" x 126"	66,150	77,175	88,200	99,225	110,250	121,275	132,300	143,325	154,350	165,375
132" x 132"	72,600	84,700	96,800	108,900	121,000	133,100	145,200	157,300	169,400	181,500
138" x 138"	79,350	92,575	105,800	119,025	132,250	145,475	158,700	171,925	185,150	198,375
144" x 144"	86,400	100,800	115,200	129,600	144,000	158,400	172,800	187,200	201,600	216,000

* The pressure drop shown is for the Mixer only. Additional panel safing pressure drop occurs, and for Mixer Boxes with inlet collars and control dampers, additional entry and damper losses apply. Refer to the tables below for additional pressure drops for typical applications. The total pressure drop is the sum of mixer and panel safing pressure drops, and if applicable, entry and damper losses.

** The capacity and pressure drop for rectangular shapes is calculated based on the face area of the Mixer; capacity and pressure drop per square foot of face area is the same for square or rectangular units.

PANEL SAFING PRESSURE DROP, I.W.G.							
PANEL MIXER (PM) AND PLENUM MIXER (PMP)							
PLENUM VELOCITY, F.P.M.							
400	450	500	550	600	650	700	
0.02	0.03	0.04	0.05	0.07	0.08	0.10	

ENTRY, DAMPER, & PANEL SAFING PRESSURE DROP, I.W.G.										
MIXER BOX (MB)										
MIXER FACE VELOCITY, F.P.M.										
600	700	800	900	1,000	1,100	1,200	1,300	1,400	1,500	
0.12	0.13	0.14	0.15	0.17	0.18	0.20	0.21	0.23	0.25	



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