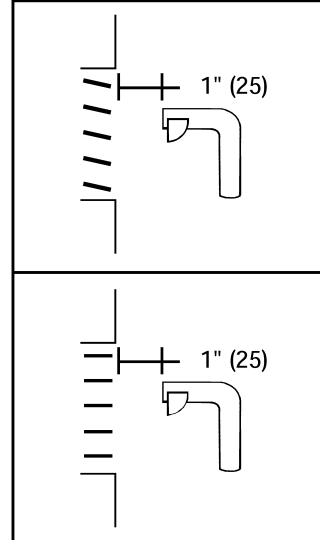


MODEL: FBH BAR TYPE RETURN GRILLE

NOMINAL NECK SIZE	AK FACTORS	NECK VELOCITY, FPM TP	200 .02	400 .05	600 .09	800 .14	1000 .20
4" X 4"	.10	FLOW RATE, CFM	22	44	66	88	110
		NC	-	-	13	18	21
6" X 6"	.23	FLOW RATE, CFM	50	100	150	200	250
		NC	-	-	15	20	23
8" X 8"	.40	FLOW RATE, CFM	90	180	260	350	440
		NC	-	-	18	24	28
10" X 10"	.62	FLOW RATE, CFM	140	280	400	550	690
		NC	-	13	22	27	31
12" X 12"	.90	FLOW RATE, CFM	200	400	600	800	1000
		NC	-	15	24	30	36
14" X 14"	1.20	FLOW RATE, CFM	270	540	820	1090	1360
		NC	-	17	26	32	40
16" X 16"	1.55	FLOW RATE, CFM	360	710	1070	1420	1780
		NC	-	19	28	34	42
18" X 18"	1.90	FLOW RATE, CFM	450	900	1350	1800	2200
		NC	-	20	31	36	45
20" X 20"	2.20	FLOW RATE, CFM	560	1110	1670	2200	2800
		NC	-	21	32	39	47
22" X 22"	2.73	FLOW RATE, CFM	670	1340	2000	2700	3400
		NC	-	21	33	41	50
24" X 24"	3.18	FLOW RATE, CFM	800	1600	2400	3200	4000
		NC	-	22	34	45	53
26" X 26"	3.56	FLOW RATE, CFM	940	1880	2800	3800	4700
		NC	-	22	36	45	53
28" X 28"	4.20	FLOW RATE, CFM	1090	2200	3300	4400	5400
		NC	-	24	37	47	56
30" X 30"	4.83	FLOW RATE, CFM	1300	2500	3700	5000	6200
		NC	13	25	37	49	57
32" X 32"	5.40	FLOW RATE, CFM	1400	2800	4200	5700	7100
		NC	14	26	39	50	59
34" X 34"	6.00	FLOW RATE, CFM	1600	3200	4800	6400	8000
		NC	15	27	40	51	60
36" X 36"	6.80	FLOW RATE, CFM	1800	3600	5400	7200	9000S
		NC	17	29	40	51	61
38" X 36"	7.60	FLOW RATE, CFM	1900	3800	5700	7600	9500
		NC	18	30	41	53	62
40" X 36"	8.10	FLOW RATE, CFM	2000	4000	6000	8000	10000
		NC	19	31	43	54	63
42" X 36"	8.50	FLOW RATE, CFM	2100	4200	6300	8400	10500
		NC	21	33	44	54	64
44" X 36"	9.00	FLOW RATE, CFM	2200	4400	6600	8800	11000
		NC	21	33	45	55	65
46" X 36"	9.50	FLOW RATE, CFM	2300	4600	6900	9200	11500
		NC	22	35	47	57	65
48" X 36"	9.90	FLOW RATE, CFM	2400	4800	7200	9600	12000
		NC	23	36	48	57	66

Air Measurement



2220A VELOMETER JET FOR VK VELOCITY MEASUREMENT.

Air Flow Measurements

1. Obtain the average outlet velocity with a minimum of 1 and a maximum of 4 equi-spaced velocity readings per lineal foot of grille length or per square foot of grille face.
2. The flow rate in cfm = Ak factor X average velocity.

CORRECTION FACTORS

MODEL	DAMPER	TP (MULTIPLY)	NC (ADD)
700	Without	x 1.7	+4
	With	x 1.8	+6
K-100	Without	x 1.0	0
	With	x 1.1	+2
700 1/2"	Without	x 2.1	+9
	With	x 2.8	+11

FORMERLY MODEL 700

CFM Cubic feet per minute
FPM Feet per minute velocity
TP Total pressure - inches w.g.
VP Velocity pressure - inches w.g.
T Throw in feet
NC Noise criteria (values) based on 10 dB room absorption, re 10 (to 12th power) watts.

Performance notes:

1. Grille area yields similar results regardless of Aspect Ratio (width vs. height). If grille size required is not shown, use nearest equivalent size or area.
2. NC values less than 10 are not shown (-).
3. Data were derived from independent tests in accordance with ISO Standard 5219, ISO Standard 3741 and ADC Test Code 1062 GRD84.