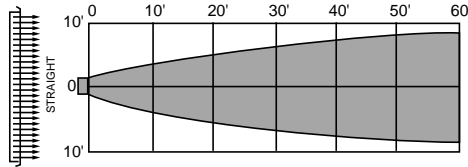


A618 Adjustable Fin Register (Page 16) Deflection A

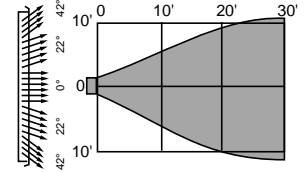


Face Velocity	300	400	500	600	700	800	900	1000	1100	1200
Pressure Loss	.006	.010	.016	.022	.031	.040	.050	.062	.075	.090
8 x 4 CFM	.45	.60	.80	.95	1.10	1.25	1.40	1.55	1.70	1.85
Ak .156 Throw	5.0	6.5	8.5	10.0	12.0	13.0	15.0	16.0	18.0	19.0
10 x 4 CFM	.60	.80	1.00	1.20	1.40	1.60	1.80	2.00	2.20	2.40
Ak .198 Throw	6.0	7.5	9.5	12.0	13.0	15.0	17.0	19.0	20.0	22.0
12 x 4 CFM	.70	.95	1.20	1.45	1.70	1.90	2.15	2.40	2.65	2.90
Ak .240 Throw	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0	25.0
10 x 6 CFM	.95	1.25	1.55	1.90	2.20	2.50	2.80	3.15	3.45	3.75
Ak .313 Throw	7.0	9.0	12.0	14.0	16.0	19.0	21.0	23.0	26.0	28.0
12 x 6 CFM	1.15	1.50	1.90	2.25	2.65	3.05	3.40	3.80	4.15	4.55
Ak .379 Throw	8.0	10.0	13.0	15.0	18.0	21.0	23.0	26.0	28.0	31.0
10 x 8 CFM	1.30	1.70	2.15	2.55	3.00	3.40	3.85	4.25	4.70	5.10
Ak .425 Throw	8.0	11.0	14.0	16.0	19.0	21.0	24.0	27.0	30.0	32.0
14 x 6 CFM	1.35	1.80	2.25	2.70	3.10	3.55	4.00	4.45	4.90	5.45
Ak .446 Throw	8.0	11.0	14.0	17.0	19.0	22.0	25.0	28.0	30.0	33.0
12 x 8 CFM	1.60	2.00	2.65	3.20	3.70	4.25	4.75	5.30	5.85	6.35
Ak .530 Throw	9.0	11.0	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0
14 x 8 CFM	1.85	2.50	3.10	3.70	4.35	4.95	5.60	6.20	6.80	7.45
Ak .620 Throw	10.0	13.0	16.0	20.0	23.0	26.0	30.0	33.0	36.0	39.0

For sizes not listed or sizing tips see page 37

Terminal Velocity of 75 FPM

A618 Adjustable Fin Register (Page 16) Deflection E

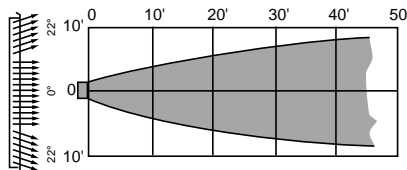


Face Velocity	300	400	500	600	700	800	900	1000	1100	1200
Pressure Loss	.006	.010	.016	.022	.031	.040	.050	.062	.075	.090
8 x 4 CFM	.40	.55	.70	.85	1.00	1.15	1.25	1.40	1.55	1.70
Ak .141 Throw	3.5	5.0	6.5	7.5	9.0	10.0	11.0	13.0	14.0	15.0
10 x 4 CFM	.55	.70	.90	1.05	1.25	1.40	1.60	1.80	1.95	2.15
Ak .178 Throw	4.0	5.5	7.0	8.5	10.0	11.0	13.0	14.0	16.0	17.0
12 x 4 CFM	.65	.85	1.10	1.30	1.50	1.75	1.95	2.15	2.40	2.60
Ak .216 Throw	4.5	6.0	8.0	9.5	11.0	13.0	14.0	16.0	18.0	19.0
10 x 6 CFM	.85	1.15	1.40	1.70	1.95	2.25	2.55	2.80	3.10	3.40
Ak .282 Throw	5.5	7.5	9.0	11.0	12.0	14.0	16.0	18.0	20.0	22.0
12 x 6 CFM	1.05	1.35	1.70	2.05	2.40	2.75	3.10	3.40	3.75	4.10
Ak .342 Throw	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0
10 x 8 CFM	1.15	1.55	1.95	2.35	2.75	3.10	3.50	3.90	4.30	4.70
Ak .390 Throw	6.0	8.0	11.0	13.0	15.0	17.0	19.0	21.0	23.0	26.0
14 x 6 CFM	1.25	1.65	2.05	2.45	2.90	3.30	3.70	4.10	4.55	4.95
Ak .412 Throw	7.0	9.0	11.0	13.0	16.0	18.0	20.0	22.0	24.0	27.0
12 x 8 CFM	1.40	1.90	2.35	2.80	3.30	3.75	4.25	4.70	5.15	5.65
Ak .470 Throw	7.0	9.0	12.0	14.0	16.0	19.0	21.0	23.0	25.0	28.0
14 x 8 CFM	1.65	2.20	2.75	3.30	3.85	4.40	4.95	5.50	6.05	6.60
Ak .550 Throw	8.0	10.0	13.0	15.0	18.0	20.0	23.0	25.0	28.0	30.0

For sizes not listed or sizing tips see page 37

Terminal Velocity of 75 FPM

A618 Adjustable Fin Register (Page 16) Deflection C

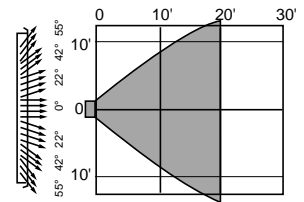


Face Velocity	300	400	500	600	700	800	900	1000	1100	1200
Pressure Loss	.006	.010	.016	.022	.031	.040	.050	.062	.075	.090
8 x 4 CFM	.40	.50	.65	.75	.90	1.00	1.15	1.25	1.40	1.50
Ak .127 Throw	3.0	4.0	5.0	5.5	7.0	7.5	8.5	9.5	11.0	11.5
10 x 4 CFM	.50	.65	.80	.95	1.15	1.30	1.45	1.60	1.80	1.95
Ak .162 Throw	3.0	4.5	5.5	6.5	7.5	8.5	9.5	11.0	12.0	13.0
12 x 4 CFM	.60	.80	1.00	1.20	1.40	1.60	1.75	1.95	2.15	2.35
Ak .197 Throw	4.0	4.5	6.0	7.5	8.5	10.0	11.0	12.0	13.0	14.0
10 x 6 CFM	.75	1.05	1.30	1.55	1.80	2.05	2.30	2.55	2.85	3.10
Ak .257 Throw	4.0	5.5	7.5	8.5	9.5	11.0	12.0	14.0	15.0	17.0
12 x 6 CFM	.95	1.25	1.55	1.85	2.20	2.50	2.80	3.10	3.40	3.75
Ak .311 Throw	4.5	6.0	7.5	9.0	11.0	12.0	14.0	15.0	17.0	18.0
10 x 8 CFM	1.05	1.40	1.75	2.10	2.45	2.80	3.15	3.50	3.85	4.20
Ak .350 Throw	5.0	6.0	8.0	10.0	11.0	13.0	14.0	16.0	18.0	19.0
14 x 6 CFM	1.10	1.45	1.85	2.20	2.55	2.90	3.30	3.65	4.00	4.40
Ak .365 Throw	5.5	6.5	8.5	10.0	11.0	13.0	15.0	16.0	18.0	20.0
12 x 8 CFM	1.30	1.75	2.20	2.60	3.05	3.50	3.90	4.35	4.80	5.20
Ak .435 Throw	5.0	7.0	9.0	11.0	13.0	15.0	16.0	18.0	20.0	22.0
14 x 8 CFM	1.55	2.05	2.55	3.05	3.55	4.10	4.60	5.10	5.60	6.10
Ak .510 Throw	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0	23.0

For sizes not listed or sizing tips see page 37

Terminal Velocity of 75 FPM

A618 Adjustable Fin Register (Page 16) Deflection G



Face Velocity	300	400	500	600	700	800	900	1000	1100	1200
Pressure Loss	.006	.010	.016	.022	.031	.040	.050	.062	.075	.090
8 x 4 CFM	.35	.45	.60	.70	.85	.95	1.05	1.20	1.30	1.40
Ak .118 Throw	2.0	2.5	3.5	4.0	5.0	5.5	6.0	6.5	7.5	8.0
10 x 4 CFM	.45	.60	.75	.90	1.05	1.20	1.35	1.50	1.65	1.80
Ak .149 Throw	2.0	3.0	3.5	4.5	5.0	6.0	6.5	7.5	8.0	9.0
12 x 4 CFM	.55	.70	.90	1.10	1.25	1.45	1.65	1.80	2.00	2.15
Ak .181 Throw	2.5	3.0	4.0	5.0	5.5	6.5	7.5	8.0	9.0	10.0
10 x 6 CFM	.70	.95	1.20	1.40	1.65	1.90	2.10	2.35	2.60	2.85
Ak .236 Throw	3.0	4.0	5.0	5.5	6.5	7.5	8.5	9.5	10.0	11.0
12 x 6 CFM	.85	1.15	1.45	1.70	2.00	2.30	2.55	2.85	3.15	3.45
Ak .286 Throw	3.0	4.0	5.0	6.0	7.0	8.5	9.0	10.0	11.0	12.0
10 x 8 CFM	.95	1.30	1.60	1.90	2.25	2.55	2.90	3.20	3.50	3.85
Ak .320 Throw	3.0	4.5	5.5	6.5	7.5	8.5	10.0	11.0	12.0	13.0
14 x 6 CFM	1.00	1.35	1.70	2.00	2.35	2.70	3.00	3.35	3.70	4.05
Ak .336 Throw	3.5	4.5	5.5	6.5	8.0	9.0	10.0	11.0	12.0	13.0
12 x 8 CFM	1.20	1.60	2.00	2.35	2.75	3.15	3.55	3.95	4.35	4.75
Ak .395 Throw	3.5	5.0	6.0	7.0	8.0	10.0	11.0	12.0	13.0	15.0
14 x 8 CFM	1.40	1.85	2.30	2.75	3.20	3.70	4.15	4.60	5.05	5.50
Ak .460 Throw	4.0	5.5	6.5	8.0	9.0	10.5	11.5	13.0	14.5	15.5

For sizes not listed or sizing tips see page 37

Terminal Velocity of 75 FPM

621 Sidewall/Ceiling Register 4-Way Deflection (Page 17)

Face Velocity	300	400	500	600	700	800	900	1000
Pressure Loss	.006	.010	.016	.022	.031	.040	.050	.062
6 x 6 CFM	.40	.55	.70	.85	1.00	1.10	1.25	1.40
Ak .14 Throw L/S	4.5/3.5	6.5/5.0	8.0/6.5	10.0/8.0	11.5/9.5	12.5/10.5	14.5/12.0	16.0/13.5
8 x 8 CFM	.85	1.10	1.40	1.70	1.95	2.25	2.50	2.80
Ak .28 Throw L/S	6.5/5.5	9.0/7.5	11.0/9.5	13.5/11.5	15.5/13.0	18.0/15.0	20.0/16.5	22.5/18.5
10 x 10 CFM	1.30	1.75	2.20	2.65	3.10	3.50	3.95	4.40
Ak .44 Throw L/S	8.0/6.5	11.0/9.0	14.0/11.5	17.0/14.0	20.0/16.5	22.0/18.0	25.0/21.0	28.0/23.0
12 x 12 CFM	2.05	2.70	3.40	4.10	4.75	5.45	6.10	6.80
Ak .68 Throw L/S	10.5/8.5	14.0/11.0	17.5/14.0	21.0/17.0	24.5/19.5	28.0/22.5	30.0/25.0	33.0/28.0
14 x 14 CFM	2.80	3.70	4.65	5.60	6.50	7.45	8.35	9.30
Ak .93 Throw L/S	11.0/9.5	14.5/12.5	18.5/16.0	22.0/19.0	26.5/22.0	30.0/25.5	32.5/28.0	36.0/31.0
16 x 16 CFM	3.85	5.10	6.40	7.70	8.95	10.25	11.50	12.80
Ak 1.28 Throw L/S	13.0/11.0	17.5/14.0	22.0/18.0	26.5/21.5	30.0/25.0	35.0/28.0	39	