

301 Curved-Blade Register (Page 11)

Face Velocity		300	400	500	600	700	800	900	1000
6 x 6 Ak .09	CFM	30	40	45	55	65	75	85	95
	Ps	.007	.013	.020	.029	.040	.052	.066	.081
	Throw	6.0	8.0	10.0	13.0	14.0	15.0	17.0	19.0
8 x 4 Ak .11	CFM	30	45	55	65	75	85	95	105
	Ps	.007	.013	.021	.030	.041	.053	.067	.083
	Throw	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0
8 x 6 Ak .12	CFM	35	50	60	75	85	100	110	125
	Ps	.007	.013	.021	.030	.040	.053	.067	.082
	Throw	7.0	9.0	11.0	13.0	15.0	17.0	19.0	22.0
8 x 8 Ak .16	CFM	50	65	80	95	110	130	145	160
	Ps	.008	.014	.022	.031	.042	.055	.070	.086
	Throw	8.0	10.0	12.0	15.0	17.0	20.0	22.0	25.0
10 x 4 Ak .12	CFM	35	50	60	70	85	95	110	120
	Ps	.008	.013	.021	.030	.041	.054	.068	.084
	Throw	6.0	9.0	11.0	13.0	15.0	17.0	19.0	21.0
10 x 6 Ak .14	CFM	40	55	70	80	95	110	120	135
	Ps	.008	.014	.021	.031	.042	.054	.069	.085
	Throw	7.0	9.0	11.0	14.0	16.0	18.0	20.0	23.0
10 x 8 Ak .19	CFM	55	75	95	115	130	150	170	190
	Ps	.008	.014	.022	.031	.043	.056	.071	.087
	Throw	8.0	11.0	13.0	16.0	19.0	21.0	24.0	27.0
10 x 10 Ak .24	CFM	70	95	120	145	170	190	215	240
	Ps	.008	.014	.021	.030	.042	.054	.069	.085
	Throw	8.0	11.0	14.0	16.0	19.0	22.0	24.0	27.0
12 x 4 Ak .13	CFM	40	55	65	80	95	105	120	135
	Ps	.008	.014	.021	.031	.042	.054	.069	.085
	Throw	9.0	12.0	15.0	18.0	21.0	24.0	27.0	30.0
12 x 6 Ak .18	CFM	55	75	95	110	130	150	165	185
	Ps	.008	.015	.023	.033	.045	.059	.074	.091
	Throw	7.0	9.0	11.0	13.0	16.0	18.0	20.0	22.0
12 x 8 Ak .22	CFM	65	85	110	130	150	170	195	215
	Ps	.008	.014	.022	.032	.043	.056	.071	.088
	Throw	8.0	11.0	13.0	16.0	19.0	21.0	24.0	26.0
12 x 12 Ak .30	CFM	90	120	150	180	210	235	265	295
	Ps	.008	.014	.022	.032	.044	.057	.073	.090
	Throw	10.0	13.0	16.0	19.0	22.0	25.0	28.0	31.0
14 x 4 Ak .15	CFM	45	60	75	90	105	120	130	145
	Ps	.008	.014	.021	.031	.042	.055	.069	.086
	Throw	10.0	14.0	17.0	20.0	24.0	27.0	30.0	34.0
14 x 6 Ak .22	CFM	65	85	110	130	150	175	195	215
	Ps	.008	.014	.022	.031	.042	.055	.070	.087
	Throw	7.0	9.0	12.0	14.0	16.0	19.0	21.0	23.0
14 x 8 Ak .24	CFM	75	95	120	145	170	195	220	240
	Ps	.008	.014	.022	.032	.043	.057	.072	.089
	Throw	9.0	12.0	14.0	17.0	20.0	23.0	26.0	29.0

Terminal Velocity of 75 FPM

302 Curved-Blade Register (Page 12)

Face Velocity		300	400	500	600	700	800	900	1000
8 x 4 Ak .11	CFM	30	40	50	65	75	85	95	105
	Ps	.012	.021	.033	.047	.064	.083	.106	.131
	Throw	3.0	4.0	6.0	7.0	8.0	9.0	10.0	11.0
8 x 6 Ak .13	CFM	40	50	65	75	90	100	115	125
	Ps	.012	.020	.032	.046	.063	.082	.104	.128
	Throw	4.0	5.0	6.0	7.0	8.0	9.0	11.0	12.0
8 x 8 Ak .19	CFM	55	75	90	110	130	150	165	185
	Ps	.011	.020	.031	.045	.061	.080	.101	.125
	Throw	5.0	6.0	7.0	9.0	10.0	11.0	13.0	14.0
10 x 6 Ak .17	CFM	50	65	85	100	115	130	150	165
	Ps	.011	.020	.031	.045	.062	.080	.102	.126
	Throw	4.0	6.0	7.0	8.0	9.0	11.0	12.0	13.0
10 x 8 Ak .23	CFM	65	90	110	135	155	180	200	225
	Ps	.011	.020	.031	.044	.061	.079	.100	.124
	Throw	5.0	7.0	8.0	10.0	11.0	13.0	14.0	15.0
12 x 6 Ak .21	CFM	60	80	100	125	145	165	15	205
	Ps	.011	.020	.031	.045	.061	.079	.101	.124
	Throw	5.0	6.0	8.0	9.0	10.0	12.0	13.0	15.0
12 x 8 Ak .27	CFM	80	105	130	160	185	210	240	265
	Ps	.011	.020	.031	.044	.060	.079	.099	.123
	Throw	5.0	7.0	9.0	10.0	12.0	14.0	15.0	17.0
14 x 6 Ak .24	CFM	70	95	115	140	165	190	210	235
	Ps	.011	.020	.031	.044	.060	.079	.100	.123
	Throw	5.0	7.0	8.0	10.0	11.0	13.0	14.0	16.0
14 x 8 Ak .31	CFM	90	120	150	185	215	245	275	305
	Ps	.011	.020	.031	.044	.060	.078	.099	.122
	Throw	6.0	8.0	9.0	11.0	13.0	14.0	16.0	18.0

Terminal Velocity of 75 FPM

303 Curved-Blade Register (Page 12)

Face Velocity		300	400	500	600	700	800	900	1000
6 x 6 Ak .12	CFM	35	50	60	75	85	100	110	125
	Ps	.014	.025	.039	.056	.077	.100	.126	.156
	Throw	5.0	7.0	9.0	10.0	12.0	14.0	15.0	17.0
8 x 4 Ak .10	CFM	30	40	50	65	75	85	95	105
	Ps	.015	.027	.041	.060	.081	.106	.134	.166
	Throw	5.0	6.0	8.0	9.0	11.0	12.0	14.0	15.0
8 x 6 Ak .14	CFM	40	55	70	85	100	115	125	140
	Ps	.015	.026	.041	.059	.080	.104	.132	.163
	Throw	6.0	7.0	9.0	11.0	13.0	15.0	16.0	18.0
8 x 8 Ak .18	CFM	55	75	90	110	130	145	165	185
	Ps	.013	.022	.035	.050	.069	.090	.114	.140
	Throw	6.0	8.0	11.0	13.0	15.0	17.0	19.0	21.0
10 x 4 Ak .12	CFM	35	50	60	75	85	100	110	125
	Ps	.014	.025	.039	.056	.076	.100	.126	.156
	Throw	5.0	7.0	9.0	10.0	12.0	14.0	15.0	17.0
10 x 6 Ak .17	CFM	50	70	85	105	120	140	155	175
	Ps	.015	.027	.043	.062	.084	.110	.139	.171
	Throw	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0
10 x 8 Ak .22	CFM	65	90	110	135	155	180	200	225
	Ps	.012	.022	.034	.049	.066	.086	.109	.135
	Throw	7.0	9.0	12.0	14.0	16.0	18.0	21.0	23.0
10 x 10 Ak .31	CFM	95	125	155	185	220	250	280	310
	Ps	.015	.027	.043	.062	.084	.110	.139	.172
	Throw	8.0	11.0	14.0	16.0	19.0	22.0	24.0	27.0
12 x 6 Ak .21	CFM	60	85	105	125	145	165	185	205
	Ps	.012	.022	.034	.049	.066	.086	.109	.135
	Throw	7.0	9.0	11.0	13.0	15.0	18.0	20.0	22.0
12 x 8 Ak .26	CFM	80	105	130	160	185	210	240	265
	Ps	.008	.014	.022	.032	.044	.057	.072	.089
	Throw	8.0	10.0	13.0	15.0	17.0	20.0	22.0	25.0
12 x 12 Ak .38	CFM	115	155	190	230	270	305	345	385
	Ps	.008	.014	.023	.033	.044	.058	.073	.090
	Throw	9.0	12.0	15.0	18.0	21.0	24.0	27.0	30.0
14 x 4 Ak .16	CFM	50	65	80	100	115	130	150	165
	Ps	.008	.014	.022	.031	.042	.055	.070	.086
	Throw	6.0	8.0	10.0	12.0	14.0	16.0	17.0	19.0
14 x 6 Ak .20	CFM	60	80	100	120	145	165	185	205
	Ps	.009	.017	.026	.037	.051	.066	.084	.104
	Throw	7.0	9.0	11.0	13.0	15.0	17.0	20.0	22.0
14 x 8 Ak .30	CFM	90	120	150	185	215	245	275	305
	Ps	.008	.014	.022	.032	.044	.057	.073	.090
	Throw	8.0	11.0	13.0	16.0	19.0	21.0	24.0	27.0
16 x 6 Ak .26	CFM	80	105	130	160	185	210	240	265
	Ps	.008	.014	.022	.032	.044	.057	.072	.089
	Throw	8.0	10.0	12.0	15.0	17.0	20.0	22.0	25.0

Terminal Velocity of 75 FPM

304 Curved-Blade Register (Page 13)

Face Velocity		300	400	500	600	700	800	900	1000
6 x 6 Ak .16	CFM	50	65	80	95	110	125	145	160
	Ps	.040	.072	.112	.161	.219	.287	.363	.448
	Throw	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
8 x 8 Ak .22	CFM	65							