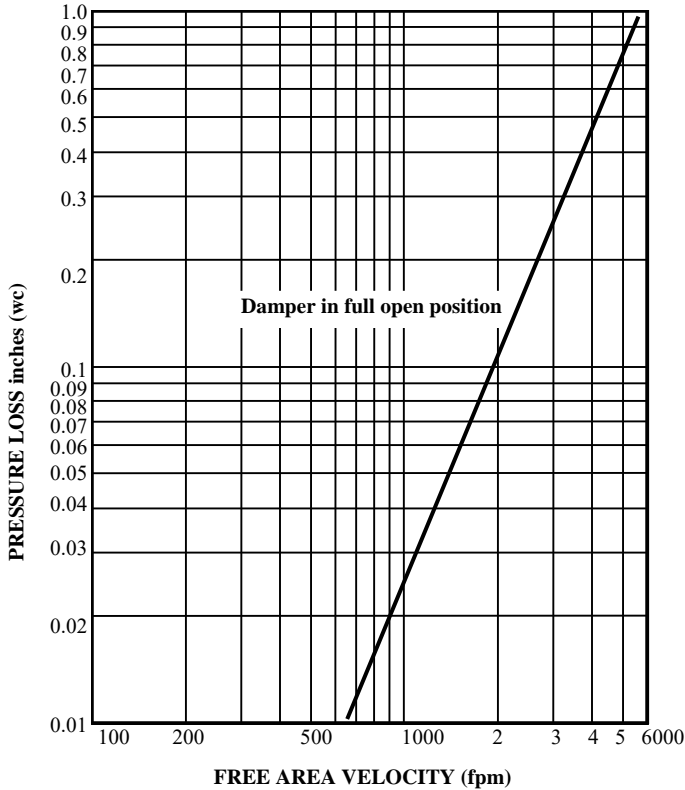
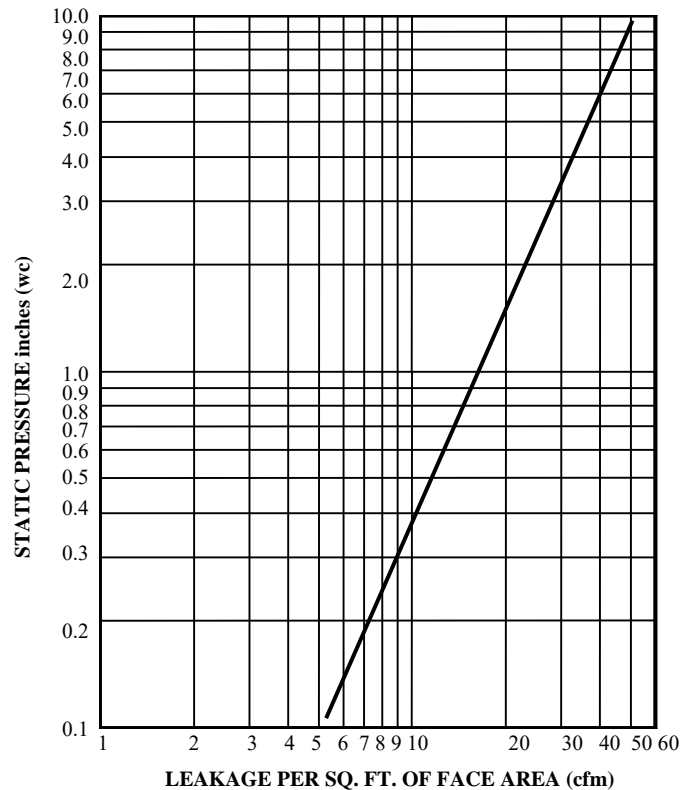


All tests performed at an independent laboratory and based on AMCA standards for air performance.

AIR PERFORMANCE



AIR LEAKAGE



LEAKAGE PER SQ. FT. OF FACE AREA (cfm)
Tested per AMCA Std. 500, Fig. 5.5, w/ blade and jamb seals

BRL Performance Data

Damper Width Inches	Max. Pressure	Maximum System Velocity	Blade start to open	Blades fully open
48"	4" w.g.	3000 fpm		
36"	8" w.g.	3000 fpm	.01" wg.	.05" wg.
24"	12" w. g.	3000 fpm		
12"	16" w. g.	3000 fpm		

TO MINIMIZE LEAKAGE

The Leakage performance of a damper will improve with size and varies with aspect ratio. Leakage may always be minimized by selecting dampers as tall as possible, minimizing width. Testing was performed at an independent laboratory using test procedures based on Industry Standards for air leakage.

MAXIMUM SINGLE SECTION SIZE – 48"W x 96"H

MINIMUM SINGLE SECTION SIZE – 6"W x 19"H

FREE AREA CALCULATIONS WIDTH

Inches	12	16	20	24	28	32	36	40	44	48
12	0.56	0.78	1.00	1.22	1.44	1.67	1.89	2.11	2.33	2.56
16	0.83	1.17	1.50	1.83	2.17	2.50	2.83	3.17	3.50	3.83
20	1.06	1.48	1.91	2.33	2.75	3.18	3.60	4.02	4.45	4.87
24	1.28	1.80	2.31	2.83	3.34	3.85	4.37	4.88	5.40	5.91
28	1.51	2.11	2.72	3.32	3.93	4.53	5.14	5.74	6.34	6.95
32	1.79	2.50	3.22	3.93	4.65	5.36	6.08	6.80	7.51	8.23
36	2.01	2.82	3.63	4.43	5.24	6.04	6.85	7.65	8.46	9.26
40	2.24	3.14	4.03	4.93	5.82	6.72	7.61	8.51	9.41	10.30
44	2.47	3.45	4.44	5.42	6.41	7.40	8.38	9.37	10.35	11.34
48	2.74	3.84	4.94	6.03	7.13	8.23	9.33	10.42	11.52	12.62
52	2.97	4.16	5.34	6.53	7.72	8.91	10.09	11.28	12.47	13.66
56	3.19	4.47	5.75	7.03	8.31	9.58	10.86	12.14	13.42	14.69
60	3.42	4.79	6.16	7.52	8.89	10.26	11.63	13.00	14.36	15.73
64	3.70	5.18	6.66	8.14	9.61	11.09	12.57	14.05	15.53	17.01
68	3.92	5.49	7.06	8.63	10.20	11.77	13.34	14.91	16.48	18.05
72	4.15	5.81	7.47	9.13	10.79	12.45	14.11	15.77	17.43	19.09
76	4.43	6.20	7.97	9.74	11.51	13.28	15.05	16.82	18.59	20.36
80	4.65	6.51	8.38	10.24	12.10	13.96	15.82	17.68	19.54	21.40
84	4.88	6.83	8.78	10.73	12.68	14.64	16.59	18.54	20.49	22.44
88	5.10	7.15	9.19	11.23	13.27	15.31	17.35	19.40	21.44	23.48
92	5.38	7.53	9.69	11.84	13.99	16.15	18.30	20.45	22.60	24.76
96	5.61	7.85	10.09	12.34	14.58	16.82	19.07	21.31	23.55	25.80