

ONE-WAY HORIZONTAL WITH MULTI-SHUTTER DAMPER

- Stamped Fixed curved blades
- White baked on finish



501-HM



A 501-HM

TWO-WAY HORIZONTAL WITH MULTI-SHUTTER DAMPER

- Stamped Fixed curved blades
- White baked on finish



502-HM

THREE-WAY WITH MULTI-SHUTTER DAMPER

- Stamped Fixed curved blades
- White baked on finish



503-M



A 503-M

FOUR-WAY REGISTER WITH MULTI-SHUTTER DAMPER

- Stamped Fixed curved blades
- White baked on finish



504-M



A 504-M

Dimensional Information

MODELS/DAMPERS

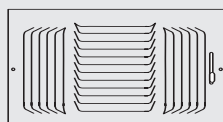
DEFLECTION PATTERN	MSD
ONE-WAY VERTICAL	501-HM
TWO-WAY HORIZONTAL	502-HM
THREE-WAY	503-M
FOUR-WAY	504-M



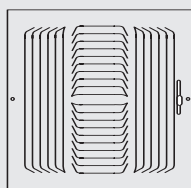
ONE-WAY



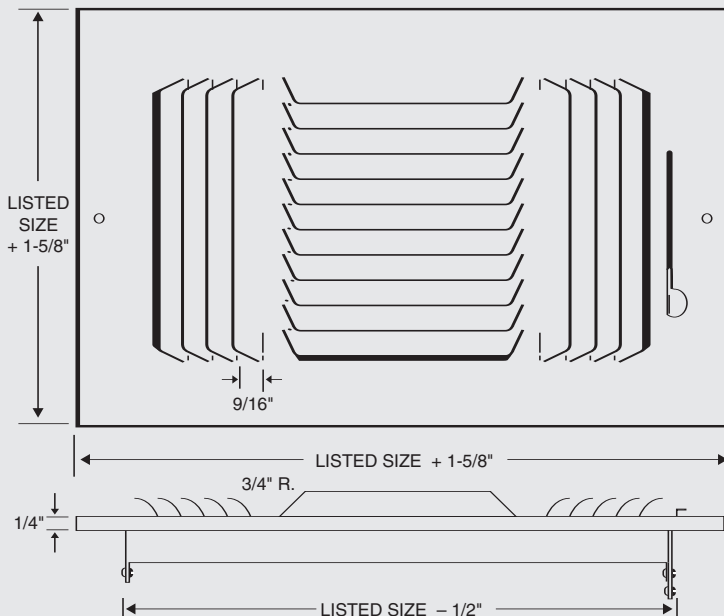
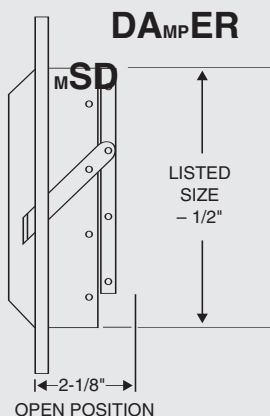
TWO-WAY HORIZONTAL



THREE-WAY



FOUR-WAY



PERFORMANCE SPECIFICATIONS

Series 500 & A 500 Stamped Curved Blade



			CFM											
Size	Area (AK)	(SQ FT)	25	50	75	100	150	200	250	300	350	400	500	600
8 x 4	.17	PT	.003	.008	.018	.033	.054	.072						
	1-way	T	5	10	15	20	30	40						
	2-way	T	5	9	14	18	27	36						
	3-way	T	4	8	12	16	24	32						
	V	K	147	294	441	588	882	1176						
8 x 6	.27	PT	.002	.007	.014	.020	.045	.063	.079	.095				
12 x 4 (10 x 4)	1-way	T	3	7	10	13	17	27	34	40				
	2-way	T	3	7	8	11	16	22	27	33				
	3-way	T	2	4	6	8	12	16	20	29				
		VK	156	234	313	469	625	781	938	1094				
14 x 14	.32	PT		.005	.009	.017	.033	.047	.061	.074	.087			
	1-way	T		6	9	12	19	25	31	37	50			
	2-way	T		5	8	10	16	21	26	31	36			
	3-way	T		5	7	9	14	19	23	28	33			
		VK		156	234	313	469	625	781	938	1094			
8 x 8	.37	PT		.004	.007	.015	.024	.043	.054	.065	.076	.088		
16 x 4 (10 x 6)	1-way	T		5	8	11	16	22	27	31	38	43		
	2-way	T		5	7	9	14	18	23	27	31	36		
	3-way	T		4	5	7	11	14	18	22	28	32		
	4-way	T		4	5	7	11	14	18	22	25	29		
		VK		135	203	270	405	541	676	811	946	1081		
12 x 6	.43	PT				.008	.017	.032	.040	.048	.056	.064	.080	
	1-way	T				9	14	19	23	28	33	38	47	
	2-way	T				8	12	16	20	23	27	31	39	
	3-way	T				7	11	14	18	21	25	28	35	
		VK				233	349	465	581	698	814	930	1163	
10 x 8	.37	PT				.007	.016	.030	.039	.046	.053	.060	.075	
	1-way	T				8	13	17	21	25	29	33	42	
	2-way	T				8	12	15	19	23	27	31	38	
	3-way	T				7	10	14	17	21	24	28	35	
		VK				213	319	426	532	638	745	851	1064	

Total pressure loss (PT) includes total static (Ps) and velocity (Pv) pressure losses for register only. Throw is the horizontal distance of the air pattern measured in feet to a terminal velocity (VT) 50 FPM. Face outlet velocity (VK) is the averaged face velocities measured with a 2220A velometer jet.

			CFM													
Size	Area (AK)	(SQ FT)	100	150	200	250	300	350	400	500	600	800	1000	1200	1400	1600
14 x 6	.52	PT	.006	.014	.025	.033	.040	.049	.053	.068	.080					
	1-way	T	8	13	17	21	25	29	34	42	50					
	2-way	T	7	11	14	18	21	25	28	35	43					
	3-way	T	6	10	13	16	19	23	26	32	39					
		VK	192	288	385	481	577	673	769	962	1153					
12 x 8	.58	PT	.005	.013	.021	.030	.037	.044	.050	.062	.072					
16 x 6	1-way	T	7	11	15	19	22	28	32	37	45					
	2-way	T	6	9	13	16	19	22	25	32	38					
	3-way	T	6	9	11	14	17	20	23	29	34					
		VK	172	259	345	431	517	603	690	862	1034					
10 x 10	.61	PT	.004	.012	.020	.029	.035	.042	.048	.060	.069					
	1-way	T	7	11	14	18	21	25	28	36	43					
	2-way	T	6	9	12	15	18	21	24	30	36					
	3-way	T	5	8	11	14	16	19	22	27	33					
	4-way	T	5	7	10	12	15	17	20	25	30					
		VK	164	246	328	410	492	573	655	820	984					
14 x 8	.69	PT		.008	.016	.024	.031	.038	.044	.055	.064	.077				
	1-way	T		10	14	17	20	24	27	34	41	55				
	2-way	T		9	12	15	18	20	23	29	35	47				
	3-way	T		8	11	13	16	19	21	27	32	43				
		VK		217	290	362	435	507	580	725	870	1159				
16 x 8	.79	PT		.006	.011	.018	.026	.032	.039	.048	.056	.068				
	1-way	T		12	16	20	24	28	32	40	48	51				
	2-way	T		8	11	14	16	19	22	27	33	44				
	3-way	T		7	10	13	15	18	20	25	30	41				
		VK		190	253	316	380	443	506	633	801	1013				
12 x 12	.90	PT		.005	.009	.015	.023	.028	.033	.040	.050	.058	.070			
	1-way	T		8	10	13	16	18	21	26	31	42	52			
	2-way	T		7	9	11	13	16	18	22	27	36	45			
	3-way	T		6	8	10	12	14	16	22	27	36	41			
	4-way	T		6	7	9	11	13	15	19	26	30	37			
		VK		167	222	278	333	389	444	556	667	889	1111			
14 x 14	1.24	PT		.004	.006	.012	.017	.025	.029	.035	.042	.051	.058	.066		
	1-way	T		6	8	10	12	14	16	20	24	32	40	48		
	2-way	T		5	7	9	10	12	14	17	21	28	35	42		
	3-way	T		5	6	8	10	11	13	16	19	26	32	39		
	4-way	T		4	6	7	9	10	12	15	18	24	30	35		
		VK		121	161	202	242	282	323	403	484	645	806	968		
16 x 16	1.65	PT				.009	.015	.020	.027	.031	.036	.044	.052	.061	.073	.088
	1-way	T				8	10	11	13	16	19	26	32	39	45	52
	2-way	T				7	9	10	11	14	17	23	28	34	40	45
	3-way	T				7	8	9	11	13	16	21	26	32	37	42
	4-way	T				6	7	9	10	12	15	19	24	29	34	39
		VK				152	182	212	242	303	364	485	606	727	848	970

Total pressure loss (PT) includes total static (Ps) and velocity (Pv) pressure losses for register only. Throw is the horizontal distance of the air pattern measured in feet to a terminal velocity (VT) 50 FPM. Face outlet velocity (VK) is the averaged face velocities measured with a 2220A velometer jet.