

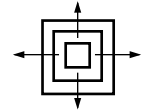
## A500 Series (Page 26, 27)

### A501MS/A501OB 1-Way Diffuser



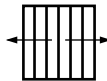
Face Velocity		400	500	600	700	900	1100	1500
Pressure Loss		.010	.016	.022	.031	.050	.075	.140
6x6 Ak .13	cfm Throw	55 5	65 6	75 7	90 8	120 10	140 12	195 15
8x8 Ak .20	cfm Throw	75 6	90 7	105 8	120 10	150 12	180 15	240 18
10x10 Ak .29	cfm Throw	115 7	135 8	155 10	175 12	235 15	290 19	395 24
12x12 Ak .42	cfm Throw	170 8	210 10	255 12	300 15	380 19	470 24	610 29
14x14 Ak .59	cfm Throw	250 11	305 13	360 15	410 18	505 24	610 30	800 35

### A504MS/A504OB 4-Way Diffuser



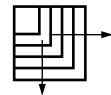
Face Velocity		400	500	600	700	900	1100	1500
Pressure Loss		.010	.016	.022	.031	.050	.075	.140
6x6 Ak .13	cfm Throw	55 2	65 3	75 4	90 5	120 6	140 7	195 9
8x8 Ak .20	cfm Throw	75 3	90 4	105 5	120 6	150 8	180 10	240 13
10x10 Ak .29	cfm Throw	115 4	135 5	155 6	175 7	235 9	290 12	395 14
12x12 Ak .42	cfm Throw	170 5	210 6	255 7	295 8	380 10	470 12	610 15
14x14 Ak .59	cfm Throw	250 6	305 7	360 8	410 9	505 11	610 14	800 18

### A502MS/A502OB 2-Way Diffuser



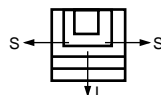
Face Velocity		400	500	600	700	900	1100	1500
Pressure Loss		.010	.016	.022	.031	.050	.075	.140
6x6 Ak .13	cfm Throw	55 3	65 4	75 5	90 6	120 7	140 9	195 12
8x8 Ak .20	cfm Throw	75 4	90 5	105 6	120 7	150 9	180 12	240 16
10x10 Ak .29	cfm Throw	115 5	135 6	155 7	175 8	235 10	290 14	395 20
12x12 Ak .42	cfm Throw	170 6	210 7	255 8	300 10	380 13	470 17	610 23
14x14 Ak .59	cfm Throw	250 7	305 9	360 11	410 13	505 16	610 19	800 27

### A505MS/A505OB 2-Way Corner Diffuser



Face Velocity		400	500	600	700	900	1100	1500
Pressure Loss		.010	.016	.022	.031	.050	.075	.140
6x6 Ak .13	cfm Throw	55 3	65 4	75 5	90 6	120 7	140 9	195 12
8x8 Ak .20	cfm Throw	75 4	90 5	105 6	120 7	150 9	180 12	240 16
10x10 Ak .29	cfm Throw	115 5	135 6	155 7	175 8	235 10	290 14	395 20
12x12 Ak .42	cfm Throw	170 6	210 7	255 8	300 10	380 13	470 17	610 23
14x14 Ak .59	cfm Throw	250 7	305 9	360 11	410 13	505 16	610 19	800 27

### A503MS/A503OB 3-Way Diffuser



Face Velocity		400	500	600	700	900	1100	1500
Pressure Loss		.010	.016	.022	.031	.050	.075	.140
6x6 Ak .13	cfm Throw L/S	55 3.5/2.5	65 4/3	75 5/3.5	90 5.5/4	120 7/5	140 9/6	195 12/9
8x8 Ak .20	cfm Throw L/S	75 4/2	90 5/2.5	105 6/3.5	120 7/4	150 8/4.5	180 10/5.5	240 12/7
10x10 Ak .29	cfm Throw L/S	115 5/3	135 7/4	155 8/4.5	175 10/5.5	235 12/7	290 14/8.5	395 18/10.5
12x12 Ak .42	cfm Throw L/S	170 7/4	210 8.5/4.5	255 10/5.5	300 12/6.5	380 15/8.5	470 18/10	610 23/14
14x14 Ak .59	cfm Throw L/S	250 8/5.5	305 10/6	360 11.5/7	410 13/7.5	505 15.5/9	610 20/11	800 27/16

### SD & SDD Ceiling Diffuser (Page 28)

Face Velocity		400	500	600	700	800	900	1000
Pressure Loss		.010	.016	.022	.031	.040	.050	.062
6x6 Ak .155	cfm Throw	60 2.5	80 3.5	95 4	110 4.5	125 5.5	140 6	155 6.5
8x8 Ak .270	cfm Throw	110 3.5	135 4	160 5	190 6	215 6.5	245 7.5	270 8.5
10x10 Ak .425	cfm Throw	170 4	215 5.5	255 6	300 7.5	340 8.5	385 9.5	425 10
12x12 Ak .600	cfm Throw	240 5	300 6	360 7.5	420 8.5	480 9.5	540 11	600 12
14x14 Ak .825	cfm Throw	320 5.5	400 7	480 8	560 9.5	640 11	720 12	800 14
16x16 Ak 1.06	cfm Throw	425 6.5	530 8	635 9.5	740 11	850 13	955 14	1060 16
18x18 Ak 1.36	cfm Throw	545 7	680 9	815 11	950 13	1090 14	1225 16	1360 18
20x20 Ak 1.65	cfm Throw	660 8	825 10	990 12	1155 14	1320 16	1485 18	1650 20

Terminal Velocity of 50 fpm

Terminal velocity of 75 fpm.

NC Noise criteria rating. NC is based on 10db room absorption (ref. 10<sup>-12</sup> watts).

Tested in accordance with ASHRAE 36-72, ADC 1062: GRD84 and ISO 3741.

<NC 20	NC 20-30	NC 30-35	NC 35-40

Terminal velocity of 75 fpm.

NC Noise criteria rating. NC is based on 10db room absorption (ref. 10<sup>-12</sup> watts).

Tested in accordance with ASHRAE 36-72, ADC 1062: GRD84 and ISO 3741.