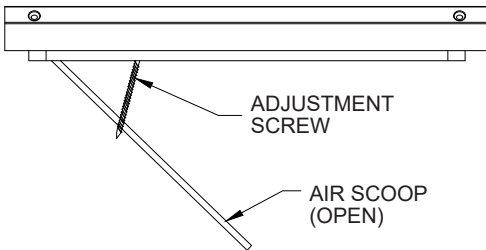
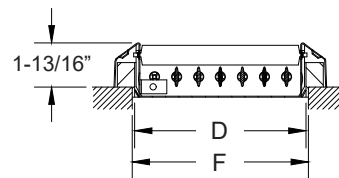
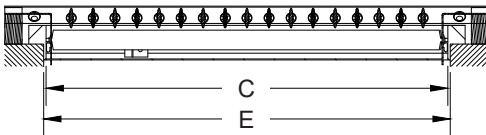
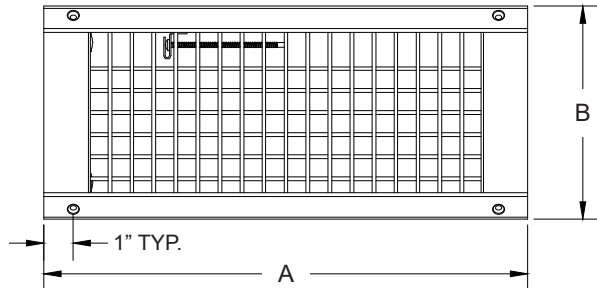


MFSDD SERIES SPIRAL DUCT DIFFUSER SPECIFICATION CHART



- Galvanized Steel Construction
- Adjustable Individual Blades
- Double Deflection Control
- Foam Gasket for Tight Seal
- Air Scoop With Face Screw Adjustment

Spiral Duct Diffuser Dimensional Chart

Size (ExF)	Dimensions (See Detail Sketches)				Size (ExF)	Dimensions (See Detail Sketches)			
	A	B	C	D		A	B	C	D
10 X 4	12-1/2	5-1/4	9-7/8	3-7/8	16 X 3	18-1/2	4-1/4	15-7/8	2-7/8
10 X 6	12-1/2	7-1/4	9-7/8	5-7/8	16 X 4	18-1/2	5-1/4	15-7/8	3-7/8
12 X 3	14-1/2	4-1/4	11-7/8	2-7/8	16 X 6	18-1/2	7-1/4	15-7/8	5-7/8
12 X 4	14-1/2	5-1/4	11-7/8	3-7/8	16 X 8	18-1/2	9-1/4	15-7/8	7-7/8
12 X 6	14-1/2	7-1/4	11-7/8	5-7/8	18 X 6	20-1/2	7-1/4	17-7/8	5-7/8
12 X 8	14-1/2	9-1/4	11-7/8	7-7/8	20 X 3	22-1/2	4-1/4	19-7/8	2-7/8
14 X 4	16-1/2	5-1/4	13-7/8	3-7/8	20 X 6	22-1/2	7-1/4	19-7/8	5-7/8
14 X 6	16-1/2	7-1/4	13-7/8	5-7/8	20 X 8	22-1/2	9-1/4	19-7/8	7-7/8
14 X 8	16-1/2	9-1/4	13-7/8	7-7/8	24 X 6	26-1/2	7-1/4	23-7/8	5-7/8

Spiral Duct Diffuser

Face Velocity		300	400	500	600	700	800	900	1000
Pressure Loss		0.008	0.012	0.016	0.024	0.032	0.040	0.052	0.064
10x4 AK .21	CFM Throw (ft.) NC	63 2-4-6 —	84 3-6-8 —	105 4-7-10 —	126 5-9-13 —	147 6-10-14 21	168 6-11-15 25	189 7-13-18 31	210 8-14-20 36
10x6 AK .33	CFM Throw (ft.) NC	99 3-6-8 —	132 4-7-10 —	165 5-9-13 —	198 6-10-14 —	231 7-12-17 22	264 8-14-20 26	297 9-15-22 33	330 10-17-24 38
12x3 AK .19	CFM Throw (ft.) NC	57 2-4-6 —	76 3-6-8 —	95 4-7-10 —	114 5-8-12 —	133 5-9-13 —	152 6-11-15 23	171 7-12-17 28	190 8-13-19 35
12x4 AK .26	CFM Throw (ft.) NC	78 3-5-7 —	104 4-6-9 —	130 4-7-10 —	156 5-9-13 —	182 6-10-14 21	208 7-12-17 25	234 8-13-19 31	260 8-14-20 36
12x6 AK .38	CFM Throw (ft.) NC	114 4-6-9 —	152 4-8-11 —	190 5-10-14 —	228 6-11-15 —	266 7-13-18 23	304 9-15-22 27	342 9-16-23 34	380 11-19-27 39
12x8 AK .53	CFM Throw (ft.) NC	159 4-8-10 —	212 5-9-12 —	265 6-11-15 —	318 7-13-18 20	371 9-15-22 24	424 9-16-23 28	477 10-18-26 35	530 12-20-29 40
14x4 AK .30	CFM Throw (ft.) NC	90 3-6-8 —	120 4-7-10 —	150 5-8-12 —	180 5-9-13 —	210 6-11-16 21	240 8-13-19 25	270 9-15-22 32	300 9-16-23 37
14x6 AK .46	CFM Throw (ft.) NC	138 4-8-11 —	184 5-9-13 —	230 6-11-15 —	276 7-12-17 20	322 8-14-20 23	368 9-16-23 27	414 10-18-26 35	460 12-20-29 39
14x8 AK .60	CFM Throw (ft.) NC	180 4-8-11 —	240 5-9-13 —	300 6-11-16 —	360 8-14-20 20	420 9-15-22 25	480 10-18-25 29	540 11-20-28 36	600 13-22-32 41
16x3 AK .26	CFM Throw (ft.) NC	78 3-5-7 —	104 4-6-9 —	130 4-7-10 —	156 5-9-13 —	182 6-10-14 21	208 7-12-17 25	234 8-13-19 31	260 8-14-20 36
16x4 AK .35	CFM Throw (ft.) NC	105 3-6-8 —	140 4-7-10 —	175 5-9-12 —	210 6-11-15 —	245 7-13-18 22	280 8-14-20 26	315 9-16-23 34	350 10-18-25 38
16x6 AK .53	CFM Throw (ft.) NC	159 4-8-10 —	212 5-9-12 —	265 6-11-15 —	318 7-13-18 20	371 9-15-22 24	424 9-16-23 28	477 10-18-26 35	530 12-20-29 40
16x8 AK .71	CFM Throw (ft.) NC	213 5-8-12 —	284 6-11-15 —	355 7-12-17 —	426 9-15-22 21	497 10-17-24 26	568 11-19-27 30	639 12-22-31 36	710 14-25-35 42
18x6 AK .60	CFM Throw (ft.) NC	179 4-8-11 —	239 5-9-13 —	299 6-11-16 —	358 8-14-20 20	418 9-15-22 25	478 10-17-24 29	537 11-20-28 36	597 13-22-32 40
20x3 AK .33	CFM Throw (ft.) NC	99 3-6-8 —	132 4-7-10 —	165 5-9-13 —	198 6-10-14 —	231 7-12-17 22	264 8-14-20 26	297 9-15-22 33	330 10-17-24 38
20x6 AK .65	CFM Throw (ft.) NC	195 5-8-12 —	260 6-10-14 —	326 6-11-16 —	392 8-15-21 21	456 6-16-23 25	521 10-18-26 29	586 12-20-29 36	651 13-22-32 41
20x8 AK .89	CFM Throw (ft.) NC	267 6-11-16 —	356 8-13-19 —	445 8-15-21 20	534 10-18-25 23	623 12-20-29 27	712 13-22-32 30	801 13-22-32 37	890 16-28-40 44
24x6 AK .80	CFM Throw (ft.) NC	240 6-10-14 —	320 7-12-17 —	400 8-13-19 —	480 9-16-23 22	560 11-19-27 26	640 12-21-30 30	720 14-24-34 37	800 15-27-38 43

Throw values measured for terminal velocities 150/100/50 FPM & blades set at zero degree angle.