

RZ16 Round Ceiling Diffuser (Page 32)

Face Velocity		300	400	500	600	700	800	900	1000
Neck Size 6" Ak .224	CFM	67	89	112	134	157	179	201	224
	Ps	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	Throw	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00
Neck Size 7" Ak .229	CFM	69	92	115	137	160	183	206	229
	Ps	0.05	0.09	0.13	0.19	0.26	0.34	0.43	0.53
	Throw	1.75	2.25	2.75	3.25	3.75	4.25	5.00	5.50
Neck Size 8" Ak .235	CFM	70	94	117	141	164	188	211	235
	Ps	0.10	0.17	0.26	0.38	0.52	0.67	0.85	1.05
	Throw	2.00	2.50	3.00	3.50	4.00	4.50	5.50	6.00

Terminal Velocity of 50 FPM

RZ500 Square Ceiling Diffuser (Page 32)

RZ505 (two-way corner)

Neck Velocity		300	400	500	600	700
Neck Size 6" Ak 0.284	CFM	60	80	100	120	135
	Ps	0.002	0.004	0.006	0.008	0.011
	Throw	2.5	3.5	4.0	5.0	6.0
Vt 75	Throw	2.5	3.0	4.0	4.5	5.5
Vt 100	Throw	1.5	2.0	2.5	3.0	3.5
Vt 150	Throw					
Neck size 7" Ak 0.267	CFM	82	109	136	164	191
	Ps	0.009	0.016	0.025	0.037	0.050
	Throw	4.0	5.0	6.0	7.5	8.5
Vt 75	Throw	3.5	4.5	5.5	7.0	8.0
Vt 100	Throw	2.5	3.0	4.0	4.5	5.5
Vt 150	Throw					
Neck size 8" Ak 0.251	CFM	105	140	175	209	244
	Ps	0.016	0.029	0.045	0.065	0.088
	Throw	5.0	6.5	8.0	9.5	11.0
Vt 75	Throw	4.5	6.0	7.5	9.0	10.5
Vt 100	Throw	3.0	4.0	5.0	6.0	7.0
Vt 150	Throw					

RZ503 (three-way)

Neck Velocity		300	400	500	600	700
Neck Size 6" Ak 0.247	CFM	60	80	100	120	135
	Ps	0.002	0.004	0.006	0.008	0.011
	Throw	2.0 2.5	3.0 3.5	3.5 4.5	4.5 5.5	5.0 6.0
Vt 75 S/L	Throw	2.0 2.5	3.0 3.5	3.5 4.0	4.0 5.0	5.0 6.0
Vt 100 S/L	Throw	1.5 1.5	2.0 2.0	2.5 3.0	3.0 3.5	3.0 4.0
Vt 150 S/L	Throw					
Neck Size 7" Ak 0.243	CFM	80	110	135	165	190
	Ps	0.009	0.016	0.026	0.037	0.050
	Throw	2.5 4.0	3.5 5.5	4.5 7.0	5.5 8.5	6.0 9.5
Vt 75 S/L	Throw	2.5 3.5	3.5 5.3	4.0 6.3	5.0 7.5	5.5 9.0
Vt 100 S/L	Throw	1.8 2.5	2.5 3.5	3.0 4.5	3.5 5.5	4.0 6.0
Vt 150 S/L	Throw					
Neck Size 8" Ak 0.239	CFM	105	140	175	210	245
	Ps	0.016	0.029	0.046	0.066	0.090
	Throw	3.0 5.5	4.0 7.5	5.0 9.0	6.0 11.0	7.0 13.0
Vt 75 S/L	Throw	3.0 5.0	3.5 7.0	4.5 8.5	5.5 10.5	6.5 12.0
Vt 100 S/L	Throw	2.0 3.5	2.5 4.5	3.0 6.0	3.5 7.0	4.5 8.0
Vt 150 S/L	Throw					

RZ504 (four-way)

Neck Velocity		300	400	500	600	700
Neck Size 6" Ak 0.210	CFM	60	80	100	120	135
	Ps	0.001	0.002	0.003	0.005	0.006
	Throw	3.0	3.5	4.5	5.5	6.5
Vt 75	Throw			4.5	5.0	6.0
Vt 100	Throw	1.5	2.5	3.0	3.5	4.0
Vt 150	Throw					
Neck Size 7" Ak 0.209	CFM	80	110	135	165	190
	Ps	0.003	0.005	0.008	0.011	0.015
	Throw			6.0	7.5	8.5
Vt 75	Throw	3.5	4.5	5.5	7.0	8.0
Vt 100	Throw	2.5	3.0	4.0	4.5	5.5
Vt 150	Throw					
Neck Size 8" Ak 0.209	CFM	105	140	175	210	245
	Ps	0.005	0.008	0.013	0.018	0.025
	Throw	4.5	6.0	7.5	9.0	10.5
Vt 75	Throw	4.0	5.5	7.0	8.5	10.0
Vt 100	Throw	3.0	3.5	4.5	5.5	6.5
Vt 150	Throw					