

## General Information

- Low pressure drop core /damper assembly design
- Core design produces low velocity helical discharge air pattern
- Assembly achieves high induction rates of room air which optimizes circulation

## Finish Options

- Standard finish shall be RAL 9016. Other finishes available on request. Damper and basket shall be black.

## Performance Notes

1. Projection and Spread data were determined in a room with an 11' ceiling height and 10°F ΔT, between supply air and averaged occupied room temperature.
2. Vertical projection (throw) is the maximum height above the floor where terminal velocities of 150, 100 and 50 fpm were observed.
3. Noise Criteria (values) based on 10 dB room absorption, re 10-12 watts. Dash (-) in space denotes an NC value of less than 15.

Cosmos Swirl Diffuser Performance Data				
Airflow (CFM)	Plenum Pressure	Vertical Projection @ 150,100, & 50ft	Horizontal Spread ft. @ 50 fpm	NC
60	.035	1.1, 1.4, 2.9	2.1	-
70	.048	1.3, 1.7, 3.5	3.1	-
80	.063	1.4, 1.8, 3.7	3.4	-
90	.079	1.6, 2.1, 4.4	3.7	-
100	.098	2.0, 2.5, 5.0	4.0	15
110	.119	2.0, 2.6, 5.4	4.3	18
120	.141	2.1, 2.7, 5.6	4.5	20

Correction Factors for Other Supply Air Temperature Differentials		
Airflow (CFM)	Projection ft.	Spread ft.
-6	x 1.33	x 0.87
-8	x 1.11	x 0.94
-10	x 1.00	x 1.00
-12	x 0.96	x 1.06
-14	x 0.92	x 1.11
-16	x 0.91	x 1.16

